



Part27O_n78(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84868	85000	85132			
Frequency (MHz)				17.82	17.82	17.82			
100	RUZ BPSK	1	1	17.82	17.82	17.82	19.0	0.0	
100	RUZ BPSK	1	137	17.81	17.81	17.81	19.0	0.0	
100	RUZ BPSK	1	271	17.85	17.85	17.85	19.0	0.0	
100	RUZ BPSK	135	0	17.79	17.79	17.79	19.0	0.0	
100	RUZ BPSK	135	69	17.81	17.81	17.81	19.0	0.0	
100	RUZ BPSK	135	138	17.84	17.84	17.84	19.0	0.0	
100	RUZ BPSK	270	0	17.79	17.79	17.79	19.0	0.0	
100	QPSK	1	1	18.07	18.07	18.07	19.0	0.0	
100	QPSK	1	137	17.98	17.98	17.98	19.0	0.0	
100	QPSK	1	271	17.94	17.94	17.94	19.0	0.0	
100	QPSK	135	0	17.91	17.91	17.91	19.0	0.0	
100	QPSK	135	69	18.02	18.02	18.02	19.0	0.0	
100	QPSK	135	138	17.95	17.95	17.95	19.0	0.0	
100	QPSK	270	0	17.99	17.99	17.99	19.0	0.0	
100	QAM	1	1	17.84	17.84	17.84	19.0	0.0	
100	QAM	1	1	18.02	18.02	18.02	19.0	0.0	
100	SSBQAM	1	1	17.82	17.82	17.82	19.0	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	17.82	17.82	17.81	19.0	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	17.82	18.01	17.85	19.0	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.83	17.86	17.83	19.0	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	17.82	17.85	17.84	19.0	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	17.81	18.01	17.81	19.0	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.82	17.89	17.82	19.0	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	17.84	17.89	17.80	19.0	0.0	
Channel				84750	85000	85250			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	17.80	17.88	17.81	19.0	0.0	
Channel				84734	85000	85266			
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	17.77	17.83	17.81	19.0	0.0	
Channel				84718	85000	85282			
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	17.77	17.87	17.82	19.0	0.0	
Channel				84700	85000	85300			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.84	18.02	17.90	19.0	0.0	

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3495					
100	PQ2 BPSK	1	1	12.96	12.96				
100	PQ2 BPSK	1	137	12.89			14.0	0.0	
100	PQ2 BPSK	1	271	12.87					
100	PQ2 BPSK	135	5	12.80			14.0	0.0	
100	PQ2 BPSK	135	69	12.89			14.0	0.0	
100	PQ2 BPSK	135	139	12.84			14.0	0.0	
100	PQ2 BPSK	270	5	12.72					
100	QPSK	1	1	13.02					
100	QPSK	1	137	13.01			14.0	0.0	
100	QPSK	1	271	12.98					
100	QPSK	135	5	12.85			14.0	0.0	
100	QPSK	135	69	12.96			14.0	0.0	
100	QPSK	135	139	12.93			14.0	0.0	
100	QPSK	270	5	12.80					
100	64QAM	1	1	12.99			14.0	0.0	
100	64QAM	1	1	12.96			14.0	0.0	
100	256QAM	1	1	12.94			14.0	0.0	
Channel									
Frequency (MHz)				349300		349332		349368	
90	QPSK	1	1	12.71	13.01	12.78	14.0	0.0	
Channel									
Frequency (MHz)				349268		349302		349340	
80	QPSK	1	1	12.71	12.99	12.86	14.0	0.0	
Channel									
Frequency (MHz)				349234		349312		349342	
70	QPSK	1	1	12.73	12.91	12.79	14.0	0.0	
Channel									
Frequency (MHz)				349200		349332		349368	
60	QPSK	1	1	12.68	12.95	12.83	14.0	0.0	
Channel									
Frequency (MHz)				349166		349332		349360	
50	QPSK	1	1	12.67	12.96	12.81	14.0	0.0	
Channel									
Frequency (MHz)				349134		349332		349332	
40	QPSK	1	1	12.66	13.00	12.77	14.0	0.0	
Channel									
Frequency (MHz)				349100		349332		349368	
30	QPSK	1	1	12.74	12.98	12.83	14.0	0.0	
Channel									
Frequency (MHz)				349064		349332		349332	
25	QPSK	1	1	12.70	12.98	12.77	14.0	0.0	
Channel									
Frequency (MHz)				349030		349332		349360	
20	QPSK	1	1	12.70	12.99	12.82	14.0	0.0	
Channel									
Frequency (MHz)				349000		349332		349332	
15	QPSK	1	1	12.69	12.98	12.81	14.0	0.0	
Channel									
Frequency (MHz)				348966		349332		349332	
10	QPSK	1	1	12.70	12.97	12.82	14.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63332					
100	PQ2 BPSK	1	1	15.91					
100	PQ2 BPSK	1	137	15.79			17.0	0.0	
100	PQ2 BPSK	1	271	15.82					
100	PQ2 BPSK	135	5	15.80			17.0	0.0	
100	PQ2 BPSK	135	69	15.81			17.0	0.0	
100	PQ2 BPSK	135	139	15.71			17.0	0.0	
100	PQ2 BPSK	270	5	15.59					
100	QPSK	1	1	15.04					
100	QPSK	1	137	15.98			17.0	0.0	
100	QPSK	1	271	15.92					
100	QPSK	135	5	15.98			17.0	0.0	
100	QPSK	135	69	15.95			17.0	0.0	
100	QPSK	135	139	15.85			17.0	0.0	
100	QPSK	270	5	15.52					
100	64QAM	1	1	15.90			17.0	0.0	
100	64QAM	1	1	15.99			17.0	0.0	
100	256QAM	1	1	15.90			17.0	0.0	
Channel									
Frequency (MHz)				63300		63368		Tune-up limit	MPR
90	QPSK	1	1	15.74	15.97	15.91	15.91	17.0	0.0
Channel									
Frequency (MHz)				63268		63336		Tune-up limit	MPR
80	QPSK	1	1	15.79	15.96	15.88	15.88	17.0	0.0
Channel									
Frequency (MHz)				63234		63302		Tune-up limit	MPR
70	QPSK	1	1	15.81	15.98	15.86	15.86	17.0	0.0
Channel									
Frequency (MHz)				63200		63268		Tune-up limit	MPR
60	QPSK	1	1	15.76	15.94	15.83	15.83	17.0	0.0
Channel									
Frequency (MHz)				63166		63234		Tune-up limit	MPR
50	QPSK	1	1	15.83	15.98	15.89	15.89	17.0	0.0
Channel									
Frequency (MHz)				63134		63202		Tune-up limit	MPR
40	QPSK	1	1	15.79	15.99	15.87	15.87	17.0	0.0
Channel									
Frequency (MHz)				63100		63168		Tune-up limit	MPR
30	QPSK	1	1	15.79	15.96	15.86	15.86	17.0	0.0
Channel									
Frequency (MHz)				63064		63132		Tune-up limit	MPR
25	QPSK	1	1	15.74	15.93	15.86	15.86	17.0	0.0
Channel									
Frequency (MHz)				63068		63136		Tune-up limit	MPR
20	QPSK	1	1	15.78	15.94	15.89	15.89	17.0	0.0
Channel									
Frequency (MHz)				63030		63098		Tune-up limit	MPR
15	QPSK	1	1	15.72	15.91	15.87	15.87	17.0	0.0
Channel									
Frequency (MHz)				63004		63072		Tune-up limit	MPR
10	QPSK	1	1	15.73	15.90	15.85	15.85	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				66000					
100	PQ2 BPSK	1	1	13.19					
100	PQ2 BPSK	1	137	13.14			14.0	0.0	
100	PQ2 BPSK	1	271	12.99					
100	PQ2 BPSK	135	5	12.87			14.0	0.0	
100	PQ2 BPSK	135	69	13.09			14.0	0.0	
100	PQ2 BPSK	135	139	12.96			14.0	0.0	
100	PQ2 BPSK	270	5	13.05					
100	QPSK	1	1	13.26					
100	QPSK	1	137	13.26			14.0	0.0	
100	QPSK	1	271	13.11					
100	QPSK	135	5	13.02			14.0	0.0	
100	QPSK	135	69	13.16			14.0	0.0	
100	QPSK	135	139	13.06			14.0	0.0	
100	QPSK	270	5	13.11					
100	16QAM	1	1	13.19			14.0	0.0	
100	64QAM	1	1	13.14			14.0	0.0	
100	256QAM	1	1	13.21			14.0	0.0	
Channel									
Frequency (MHz)				66968		66032		Tune-up limit	MPR
90	QPSK	1	1	12.89	13.12	12.88	14.0	0.0	
Channel									
Frequency (MHz)				66934		66066		Tune-up limit	MPR
80	QPSK	1	1	12.94	13.19	12.90	14.0	0.0	
Channel									
Frequency (MHz)				66900		66100		Tune-up limit	MPR
70	QPSK	1	1	12.96	13.16	12.94	14.0	0.0	
Channel									
Frequency (MHz)				66868		66132		Tune-up limit	MPR
60	QPSK	1	1	12.98	13.13	12.96	14.0	0.0	
Channel									
Frequency (MHz)				66834		66166		Tune-up limit	MPR
50	QPSK	1	1	13.00	13.13	13.00	14.0	0.0	
Channel									
Frequency (MHz)				66800		66200		Tune-up limit	MPR
40	QPSK	1	1	13.01	13.13	13.01	14.0	0.0	
Channel									
Frequency (MHz)				66768		66232		Tune-up limit	MPR
30	QPSK	1	1	13.02	13.13	13.02	14.0	0.0	
Channel									
Frequency (MHz)				66750		66250		Tune-up limit	MPR
25	QPSK	1	1	13.03	13.13	13.03	14.0	0.0	
Channel									
Frequency (MHz)				66734		66266		Tune-up limit	MPR
20	QPSK	1	1	13.04	13.13	13.04	14.0	0.0	
Channel									
Frequency (MHz)				66718		66282		Tune-up limit	MPR
15	QPSK	1	1	13.05	13.13	13.05	14.0	0.0	
Channel									
Frequency (MHz)				66700		66300		Tune-up limit	MPR
10	QPSK	1	1	13.06	13.12	13.07	14.0	0.0	



Part27O_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84868	85000	85132			
Frequency (MHz)				16.02	16.02	16.02			
100	F3/2 BPSK	1	1		16.02		17.0	0.0	
100	F3/2 BPSK	1	137		15.99				
100	F3/2 BPSK	1	271		15.85				
100	F3/2 BPSK	135	0		15.77		17.0	0.0	
100	F3/2 BPSK	135	69		15.98		17.0	0.0	
100	F3/2 BPSK	135	138		15.73		17.0	0.0	
100	F3/2 BPSK	270	0		15.72		17.0	0.0	
100	QPSK	1	1		16.00		17.0	0.0	
100	QPSK	1	137		16.04				
100	QPSK	1	271		15.99				
100	QPSK	135	0		15.98		17.0	0.0	
100	QPSK	135	69		15.94		17.0	0.0	
100	QPSK	135	138		15.84		17.0	0.0	
100	QPSK	270	0		15.87		17.0	0.0	
100	BQAM	1	1		16.00		17.0	0.0	
100	BQAM	1	1		16.01		17.0	0.0	
100	BQAM	1	1		16.04		17.0	0.0	
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	15.76	16.03	15.80	17.0	0.0	
Channel				84834	85000	85166	Tune-up Intvl	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	15.77	16.01	15.74	17.0	0.0	
Channel				84800	85000	85200	Tune-up Intvl	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	15.85	15.98	15.81	17.0	0.0	
Channel				84765	85000	85232	Tune-up Intvl	MPR	
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	15.79	15.99	15.83	17.0	0.0	
Channel				84833	85000	85166	Tune-up Intvl	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	15.75	16.01	15.82	17.0	0.0	
Channel				84790	85000	85310	Tune-up Intvl	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.83	15.97	15.83	17.0	0.0	
Channel				84768	85000	85232	Tune-up Intvl	MPR	
Frequency (MHz)				3715.02	3750	3764.98			
30	QPSK	1	1	15.85	15.96	15.76	17.0	0.0	
Channel				84750	85000	85250	Tune-up Intvl	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	15.84	16.04	15.74	17.0	0.0	
Channel				84734	85000	85266	Tune-up Intvl	MPR	
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	15.72	15.99	15.77	17.0	0.0	
Channel				84768	85000	85232	Tune-up Intvl	MPR	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	15.72	15.98	15.74	17.0	0.0	
Channel				84700	85000	85300	Tune-up Intvl	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	15.61	16.01	15.80	17.0	0.0	



Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				6333.32					
100	PQ2 BPSK	1	1	17.12					
100	PQ2 BPSK	1	137	17.06			18.0	0.0	
100	PQ2 BPSK	1	271	17.00					
100	PQ2 BPSK	135	0	16.94			18.0	0.0	
100	PQ2 BPSK	135	69	16.99			18.0	0.0	
100	PQ2 BPSK	135	138	16.83			18.0	0.0	
100	PQ2 BPSK	270	0	16.79					
100	QPSK	1	1	17.24					
100	QPSK	1	137	17.13			18.0	0.0	
100	QPSK	1	271	17.14					
100	QPSK	135	0	17.03			18.0	0.0	
100	QPSK	135	69	17.09			18.0	0.0	
100	QPSK	135	138	16.97			18.0	0.0	
100	QPSK	270	0	16.94					
100	16QAM	1	1	17.17			18.0	0.0	
100	16QAM	1	1	17.19			18.0	0.0	
100	256QAM	1	1	17.16			18.0	0.0	
Channel				63300.0	63332.0	63366.0	Tune-up limit	MPR	
Frequency (MHz)				3495.00	3498.18	3501.36			
90	QPSK	1	1	16.97	17.18	16.95	18.0	0.0	
Channel				63368.0	63392.0	63400.0	Tune-up limit	MPR	
Frequency (MHz)				3498.18	3501.36	3502.00			
80	QPSK	1	1	16.91	17.09	17.00	18.0	0.0	
Channel				63434.0	63458.0	63492.0	Tune-up limit	MPR	
Frequency (MHz)				3491.36	3493.82	3496.86			
70	QPSK	1	1	16.88	17.11	16.96	18.0	0.0	
Channel				63500.0	63524.0	63466.0	Tune-up limit	MPR	
Frequency (MHz)				3488.00	3490.46	3493.50			
60	QPSK	1	1	16.91	17.19	16.97	18.0	0.0	
Channel				63468.0	63492.0	63500.0	Tune-up limit	MPR	
Frequency (MHz)				3490.46	3492.92	3493.50			
50	QPSK	1	1	16.97	17.13	16.97	18.0	0.0	
Channel				63534.0	63558.0	63532.0	Tune-up limit	MPR	
Frequency (MHz)				3493.50	3495.96	3495.86			
40	QPSK	1	1	16.96	17.17	17.03	18.0	0.0	
Channel				63600.0	63624.0	63596.0	Tune-up limit	MPR	
Frequency (MHz)				3496.54	3498.99	3498.84			
30	QPSK	1	1	16.94	17.19	16.96	18.0	0.0	
Channel				63666.0	63690.0	63682.0	Tune-up limit	MPR	
Frequency (MHz)				3499.58	3501.94	3501.42			
25	QPSK	1	1	16.98	17.08	16.94	18.0	0.0	
Channel				63698.0	63722.0	63690.0	Tune-up limit	MPR	
Frequency (MHz)				3502.62	3504.98	3504.00			
20	QPSK	1	1	16.92	17.15	17.04	18.0	0.0	
Channel				63750.0	63774.0	63816.0	Tune-up limit	MPR	
Frequency (MHz)				3505.66	3508.02	3512.26			
15	QPSK	1	1	16.94	17.12	17.09	18.0	0.0	
Channel				63814.0	63838.0	63832.0	Tune-up limit	MPR	
Frequency (MHz)				3511.70	3514.06	3514.82			
10	QPSK	1	1	16.95	17.16	16.97	18.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				6333.32					
100	PQ2 BPSK	1	1	19.96					
100	PQ2 BPSK	1	137	19.89			21.0	0.0	
100	PQ2 BPSK	1	271	19.97					
100	PQ2 BPSK	135	0	19.88			21.0	0.0	
100	PQ2 BPSK	135	69	19.99			21.0	0.0	
100	PQ2 BPSK	135	138	19.84			21.0	0.0	
100	PQ2 BPSK	270	0	19.85					
100	QPSK	1	1	20.11					
100	QPSK	1	137	19.96			21.0	0.0	
100	QPSK	1	271	20.05					
100	QPSK	135	0	19.96			21.0	0.0	
100	QPSK	135	69	20.05			21.0	0.0	
100	QPSK	135	138	19.96			21.0	0.0	
100	QPSK	270	0	19.91					
100	8QAM	1	1	20.03			21.0	0.0	
100	8QAM	1	1	20.01			21.0	0.0	
100	256QAM	1	1	20.04			21.0	0.0	
Channel				63300.0	6333.32	63360.0			MPR
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	19.82	20.05	19.84	21.0	0.0	
Channel				63360.0	63366.68	63400.0			MPR
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	19.80	20.00	19.81	21.0	0.0	
Channel				63420.0	63424.34	63432.0			MPR
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	19.84	20.02	19.81	21.0	0.0	
Channel				63480.0	63500.0	63496.0			MPR
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	19.85	19.97	19.84	21.0	0.0	
Channel				63540.0	63568.0	63500.0			MPR
Frequency (MHz)				3475.02	3499.98	3520			
50	QPSK	1	1	19.83	20.03	19.80	21.0	0.0	
Channel				63600.0	63534.33	63532.0			MPR
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	19.83	19.98	19.87	21.0	0.0	
Channel				63660.0	63680.0	63666.0			MPR
Frequency (MHz)				3465	3499.98	3524.98			
30	QPSK	1	1	19.87	20.03	19.80	21.0	0.0	
Channel				63720.0	63694.34	63682.0			MPR
Frequency (MHz)				3460.51	3499.98	3527.48			
25	QPSK	1	1	19.85	19.89	19.86	21.0	0.0	
Channel				63780.0	63696.0	63690.0			MPR
Frequency (MHz)				3460.02	3499.98	3530			
20	QPSK	1	1	19.87	19.88	19.87	21.0	0.0	
Channel				63840.0	63850.0	63816.0			MPR
Frequency (MHz)				3457.5	3499.98	3532.48			
15	QPSK	1	1	19.89	20.02	19.89	21.0	0.0	
Channel				63900.0	63834.33	63832.0			MPR
Frequency (MHz)				3455.01	3499.98	3534.98			
10	QPSK	1	1	19.82	20.02	19.89	21.0	0.0	

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3755					
100	PQ2 BPSK	1	1	17.29					
100	PQ2 BPSK	1	137	17.11			18.0	0.0	
100	PQ2 BPSK	1	271	17.24					
100	PQ2 BPSK	135	0	16.96			18.0	0.0	
100	PQ2 BPSK	135	69	17.08			18.0	0.0	
100	PQ2 BPSK	135	138	17.01			18.0	0.0	
100	PQ2 BPSK	270	0	16.99					
100	QPSK	1	1	17.35					
100	QPSK	1	137	17.24			18.0	0.0	
100	QPSK	1	271	17.30					
100	QPSK	135	0	17.16			18.0	0.0	
100	QPSK	135	69	17.23			18.0	0.0	
100	QPSK	135	138	17.10			18.0	0.0	
100	QPSK	270	0	17.11					
100	16QAM	1	1	17.29			18.0	0.0	
100	16QAM	1	1	17.22			18.0	0.0	
100	256QAM	1	1	17.26			18.0	0.0	
Channel				66060.0	66060.0	66120.0			
Frequency (MHz)				3745.92	3750	3754.98			
90	QPSK	1	1	17.15	17.27	17.07	18.0	0.0	
Channel				66150.0	66150.0	66160.0			
Frequency (MHz)				3740.01	3750	3753.99			
80	QPSK	1	1	17.17	17.24	17.12	18.0	0.0	
Channel				66190.0	66190.0	66200.0			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.19	17.29	17.14	18.0	0.0	
Channel				66230.0	66230.0	66240.0			
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	17.19	17.30	17.14	18.0	0.0	
Channel				66270.0	66270.0	66280.0			
Frequency (MHz)				3725.01	3750	3774.98			
50	QPSK	1	1	17.12	17.30	17.07	18.0	0.0	
Channel				66310.0	66310.0	66320.0			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.17	17.23	17.09	18.0	0.0	
Channel				66350.0	66350.0	66360.0			
Frequency (MHz)				3715.01	3750	3784.99			
30	QPSK	1	1	17.17	17.23	17.07	18.0	0.0	
Channel				66390.0	66390.0	66400.0			
Frequency (MHz)				3710.02	3750	3789.98			
20	QPSK	1	1	17.21	17.22	17.07	18.0	0.0	
Channel				66430.0	66430.0	66440.0			
Frequency (MHz)				3705.01	3750	3794.99			
20	QPSK	1	1	17.20	17.25	17.13	18.0	0.0	
Channel				66470.0	66470.0	66480.0			
Frequency (MHz)				3700.02	3750	3800.00			
10	QPSK	1	1	17.15	17.25	17.13	18.0	0.0	
Channel				66510.0	66510.0	66520.0			
Frequency (MHz)				3695.01	3750	3805.00			
10	QPSK	1	1	17.14	17.24	17.15	18.0	0.0	



Part27O_n78(HPUE)_Ant 8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Mode	Power High Ch. / Power	Tune-up limit (dBm)	MPE (dB)
Channel				660000				
Frequency (MHz)				3750				
100	PLC BPSK	1	1	20.14				
100	PLC BPSK	1	137	20.05		21.0		
100	PLC BPSK	1	271	20.04				
100	PLC BPSK	135	0	19.87		21.0		
100	PLC BPSK	135	69	19.92		21.0		
100	PLC BPSK	135	138	19.80		21.0		
100	PLC BPSK	270	0	19.76				
100	QPSK	1	1	20.13				
100	QPSK	1	137	20.10		21.0		
100	QPSK	1	271	20.09				
100	QPSK	135	0	19.94		21.0		
100	QPSK	135	69	20.06		21.0		
100	QPSK	135	138	19.92		21.0		
100	QPSK	270	0	19.91				
100	16QAM	1	1	20.07		21.0		
100	64QAM	1	1	20.04		21.0		
100	256QAM	1	1	20.05		21.0		
Channel				58888	59000	59232	Tune-up limit	MPE
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	19.93	20.13	20.00	21.0	0.0
Channel				58933	59000	59067	Tune-up limit	MPE
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	19.88	20.10	20.04	21.0	0.0
Channel				58958	59000	59042	Tune-up limit	MPE
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.88	20.07	20.02	21.0	0.0
Channel				58983	59000	59017	Tune-up limit	MPE
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	19.87	20.05	19.94	21.0	0.0
Channel				58933	59000	59067	Tune-up limit	MPE
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	19.84	20.04	19.99	21.0	0.0
Channel				58908	59000	59092	Tune-up limit	MPE
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.84	20.13	19.97	21.0	0.0
Channel				58963	59000	59037	Tune-up limit	MPE
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	19.91	20.10	20.03	21.0	0.0
Channel				58933	59000	59067	Tune-up limit	MPE
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	19.85	20.11	19.96	21.0	0.0
Channel				58933	59000	59067	Tune-up limit	MPE
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	19.85	20.04	19.95	21.0	0.0
Channel				58963	59000	59037	Tune-up limit	MPE
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	QPSK	1	1	19.91	20.11	19.97	21.0	0.0
Channel				58908	59000	59092	Tune-up limit	MPE
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	19.90	20.14	20.04	21.0	0.0



n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	22.27	22.28	22.25	23.0	0.0	
40	Pl2 BPSK	1	108	22.22	22.30	22.32			
40	Pl2 BPSK	1	214	22.28	22.28	22.34			
40	Pl2 BPSK	108	0	22.25	22.27	22.24			
40	Pl2 BPSK	108	54	22.32	22.32	22.24	23.0	0.0	
40	Pl2 BPSK	108	108	22.24	22.29	22.25	23.0	0.0	
40	Pl2 BPSK	216	0	22.18	22.35	22.20			
40	QPSK	1	1	22.53	22.40	22.35			
40	QPSK	1	108	22.24	22.25	22.28		23.0	
40	QPSK	1	214	22.28	22.31	22.27			
40	QPSK	108	0	22.19	22.33	22.24	23.0	0.0	
40	QPSK	108	54	22.31	22.35	22.30	23.0	0.0	
40	QPSK	108	108	22.27	22.30	22.28	23.0	0.0	
40	QPSK	216	0	22.11	22.22	22.11			
40	16QAM	1	1	22.08	22.12	22.03	23.0	0.0	
40	64QAM	1	1	20.74	20.77	20.67	21.5	1.5	
40	256QAM	1	1	18.77	18.80	18.65	19.5	3.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)		
35	QPSK	1	1	22.21	22.34	22.28	23.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)		
30	QPSK	1	1	22.20	22.35	22.30	23.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)		
25	QPSK	1	1	22.32	22.32	22.26	23.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)		
20	QPSK	1	1	22.28	22.26	22.31	23.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	22.19	22.25	22.21	23.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)		
10	QPSK	1	1	22.26	22.36	22.29	23.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)		
5	QPSK	1	1	22.24	22.25	22.28	23.0	0.0	

Reduced Power Mode for DSI3									
n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870					
40	Pl2 BPSK	1	1	21.24	21.28	21.13	22.0	0.0	
40	Pl2 BPSK	1	108	21.24	21.28	21.23			
40	Pl2 BPSK	1	214	21.14	21.27	21.25			
40	Pl2 BPSK	108	0	21.21	21.22	21.22			
40	Pl2 BPSK	108	54	21.21	21.18	21.13	22.0	0.0	
40	Pl2 BPSK	108	108	21.16	21.29	21.18	22.0	0.0	
40	Pl2 BPSK	216	0	21.22	21.24	21.14			
40	QPSK	1	1	21.25	21.31	21.26			
40	QPSK	1	108	21.19	21.16	21.20		22.0	
40	QPSK	1	214	21.18	21.28	21.26			
40	QPSK	108	0	21.20	21.27	21.19	22.0	0.0	
40	QPSK	108	54	21.23	21.30	21.22	22.0	0.0	
40	QPSK	108	108	21.13	21.21	21.14	22.0	0.0	
40	QPSK	216	0	21.10	21.28	21.27			
40	16QAM	1	1	21.20	21.26	21.20	22.0	0.0	
40	64QAM	1	1	20.65	20.70	20.66	21.5	0.5	
40	256QAM	1	1	18.73	18.75	18.72	19.5	2.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)		
35	QPSK	1	1	21.20	21.20	21.22	22.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)		
30	QPSK	1	1	21.17	21.18	21.27	22.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)		
25	QPSK	1	1	21.19	21.24	21.22	22.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)		
20	QPSK	1	1	21.24	21.22	21.25	22.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	21.19	21.25	21.23	22.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)		
10	QPSK	1	1	21.12	21.21	21.21	22.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)		
5	QPSK	1	1	21.20	21.27	21.24	22.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	19.49	19.44	19.47	20.5	0.0	
40	Pl2 BPSK	1	108	19.46	19.47	19.47			
40	Pl2 BPSK	1	214	19.49	19.41	19.45			
40	Pl2 BPSK	108	0	19.47	19.44	19.36			
40	Pl2 BPSK	108	54	19.49	19.41	19.33	20.5	0.0	
40	Pl2 BPSK	108	108	19.47	19.43	19.44	20.5	0.0	
40	Pl2 BPSK	216	0	19.36	19.49	19.34			
40	QPSK	1	1	19.50	19.55	19.45			
40	QPSK	1	108	19.41	19.53	19.43			
40	QPSK	1	214	19.46	19.50	19.34	20.5	0.0	
40	QPSK	108	0	19.43	19.41	19.41	20.5	0.0	
40	QPSK	108	54	19.45	19.51	19.41	20.5	0.0	
40	QPSK	108	108	19.38	19.48	19.33	20.5	0.0	
40	QPSK	216	0	19.45	19.48	19.39			
40	16QAM	1	1	19.47	19.44	19.33	20.5	0.0	
40	16QAM	1	1	19.42	19.43	19.45	20.5	0.0	
40	256QAM	1	1	18.48	18.50	18.39	19.5	1.0	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)		
35	QPSK	1	1	19.38	19.42	19.46	20.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)		
30	QPSK	1	1	19.45	19.50	19.41	20.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)		
25	QPSK	1	1	19.47	19.50	19.44	20.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)		
20	QPSK	1	1	19.42	19.43	19.35	20.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	19.37	19.49	19.34	20.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	(dBm)		
10	QPSK	1	1	19.48	19.48	19.44	20.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)		
5	QPSK	1	1	19.43	19.50	19.39	20.5	0.0	

n2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37500	37600	37600			
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	21.09	21.21	21.20	22.5	0.0	
40	PI2 BPSK	1	108	21.10	21.15	21.21			
40	PI2 BPSK	1	214	21.08	21.24	21.13			
40	PI2 BPSK	108	0	21.09	21.23	21.10			
40	PI2 BPSK	108	84	21.06	21.13	21.19	22.5	0.0	
40	PI2 BPSK	108	108	21.16	21.18	21.10	22.5	0.0	
40	PI2 BPSK	216	0	21.10	21.11	21.09			
40	QPSK	1	1	21.20	21.28	21.22			
40	QPSK	1	108	21.06	21.22	21.14			
40	QPSK	1	214	21.18	21.23	21.18	22.5	0.0	
40	QPSK	108	0	21.08	21.21	21.07	22.5	0.0	
40	QPSK	108	84	21.13	21.24	21.09	22.5	0.0	
40	QPSK	108	108	21.10	21.21	21.03	22.5	0.0	
40	QPSK	216	0	21.07	21.16	21.14	22.5	0.0	
40	16QAM	1	1	21.14	21.16	21.12	22.5	0.0	
40	64QAM	1	1	20.98	20.22	20.10	21.5	1.0	
40	256QAM	1	1	18.17	18.27	18.24	19.5	3.0	
Channel				375500	376000	376500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1897.5	1899	1899.5	(dB)		
35	QPSK	1	1	21.09	21.16	21.16	22.5	0.0	
Channel				379000	379000	379000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1895	(dB)		
30	QPSK	1	1	21.06	21.20	21.11	22.5	0.0	
Channel				375500	376000	376500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dB)		
25	QPSK	1	1	21.08	21.21	21.07	22.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1880	1900	(dB)		
20	QPSK	1	1	21.13	21.24	21.20	22.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dB)		
15	QPSK	1	1	21.15	21.16	21.11	22.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1905	(dB)		
10	QPSK	1	1	21.16	21.14	21.11	22.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1907.5	(dB)		
5	QPSK	1	1	21.14	21.26	21.20	22.5	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.89	22.86	24.0	0.0	
20	PI2 BPSK	1	53	22.80	22.83	22.74			
20	PI2 BPSK	1	104	22.76	22.79	22.70			
20	PI2 BPSK	50	0	22.28	22.42	22.33			
20	PI2 BPSK	50	28	22.76	22.86	22.81	24.0	0.0	
20	PI2 BPSK	50	56	22.28	22.40	22.26	23.5	0.5	
20	PI2 BPSK	100	0	22.37	22.46	22.32			
20	QPSK	1	1	22.87	22.90	22.81			
20	QPSK	1	53	22.70	22.83	22.74			
20	QPSK	1	104	22.80	22.87	22.80	24.0	0.0	
20	QPSK	50	0	21.93	22.04	22.02	23.0	1.0	
20	QPSK	50	28	22.83	22.87	22.86	24.0	0.0	
20	QPSK	50	56	21.99	22.02	22.01	23.0	1.0	
20	QPSK	100	0	21.84	21.86	21.88			
20	16QAM	1	1	21.97	22.01	21.90			
20	64QAM	1	1	20.46	20.50	20.37			
20	256QAM	1	1	18.82	18.89	18.48	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dB)		
15	QPSK	1	1	22.81	22.76	22.70	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dB)		
10	QPSK	1	1	22.77	22.75	22.75	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dB)		
5	QPSK	1	1	22.72	22.70	22.73	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.68	22.77	22.63	24.0	0.0	
20	PI2 BPSK	1	53	22.60	22.74	22.59			
20	PI2 BPSK	1	104	22.62	22.70	22.65			
20	PI2 BPSK	50	0	22.28	22.33	22.32			
20	PI2 BPSK	50	28	22.70	22.76	22.61	24.0	0.0	
20	PI2 BPSK	50	56	22.15	22.28	22.19	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.25	22.34			
20	QPSK	1	1	22.75	22.80	22.72			
20	QPSK	1	53	22.60	22.73	22.61			
20	QPSK	1	104	22.73	22.75	22.63	24.0	0.0	
20	QPSK	50	0	21.82	21.88	21.74	23.0	1.0	
20	QPSK	50	28	22.85	22.77	22.87	24.0	0.0	
20	QPSK	50	56	21.82	21.86	21.85	23.0	1.0	
20	QPSK	100	0	21.75	21.80	21.76			
20	16QAM	1	1	21.87	21.96	21.86			
20	64QAM	1	1	20.35	20.38	20.25			
20	256QAM	1	1	18.43	18.45	18.34	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dB)		
15	QPSK	1	1	22.70	22.73	22.61	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dB)		
10	QPSK	1	1	22.61	22.73	22.63	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dB)		
5	QPSK	1	1	22.70	22.70	22.57	24.0	0.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2500	2535	2560			
40	Pl2 BPSK	1	1	23.32	23.40	23.28	24.0	0.0	
40	Pl2 BPSK	1	108	23.24	23.32	23.20			
40	Pl2 BPSK	1	214	23.34	23.38	23.29			
40	Pl2 BPSK	108	0	22.78	22.85	22.75	23.5	0.5	
40	Pl2 BPSK	108	54	23.30	23.34	23.31	24.0	0.0	
40	Pl2 BPSK	108	108	22.77	22.88	22.86	23.5	0.5	
40	Pl2 BPSK	216	0	22.85	22.90	22.88			
40	QPSK	1	1	23.44	23.45	23.42			
40	QPSK	1	108	23.30	23.39	23.24	24.0	0.0	
40	QPSK	1	214	23.23	23.33	23.21			
40	QPSK	108	0	22.32	22.39	22.34		23.0	
40	QPSK	108	54	23.26	23.41	23.35	24.0	0.0	
40	QPSK	108	108	22.32	22.38	22.36	23.0	1.0	
40	QPSK	216	0	22.25	22.35	22.26			
40	16QAM	1	1	22.26	22.40	22.37		23.0	
40	64QAM	1	1	20.86	20.93	20.84	21.5	2.5	
40	256QAM	1	1	18.77	18.88	18.73	19.5	4.5	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR	
35	QPSK	1	1	23.32	23.35	23.32	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	23.35	23.35	23.35	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	23.29	23.30	23.31	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	23.39	23.39	23.31	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	23.35	23.35	23.32	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	23.37	23.30	23.32	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	23.36	23.35	23.37	24.0	0.0	
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2500	2535	2560			
40	P12 BPSK	1	1	21.40	21.60	21.59	22.5	0.0	
40	P12 BPSK	1	108	21.53	21.64	21.57			
40	P12 BPSK	1	214	21.62	21.68	21.61			
40	P12 BPSK	108	0	21.61	21.65	21.58	22.5	0.0	
40	P12 BPSK	108	54	21.61	21.71	21.56	22.5	0.0	
40	P12 BPSK	108	108	21.65	21.65	21.60	22.5	0.0	
40	P12 BPSK	216	0	21.58	21.58	21.63			
40	QPSK	1	1	21.67	21.72	21.70			
40	QPSK	1	108	21.65	21.66	21.69	22.5	0.0	
40	QPSK	1	214	21.64	21.69	21.66			
40	QPSK	108	0	21.56	21.58	21.57		22.5	
40	QPSK	108	54	21.65	21.69	21.65	22.5	0.0	
40	QPSK	108	108	21.57	21.59	21.62	22.5	0.0	
40	QPSK	216	0	21.62	21.63	21.65			
40	ISAM	1	1	21.53	21.57	21.64		22.5	
40	ISAM	1	1	20.94	20.95	20.61	21.5	1.0	
40	256QAM	1	1	18.59	18.66	18.57	19.5	3.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	21.61	21.70	21.62	22.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.62	21.64	21.69	22.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.54	21.57	21.65	22.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.66	21.70	21.62	22.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.60	21.60	21.65	22.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.65	21.62	21.66	22.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.61	21.58	21.62	22.5	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2500	2535	2560			
40	Pl2 BPSK	1	1	19.81	19.80	19.75	20.5	0.0	
40	Pl2 BPSK	1	108	19.77	19.80	19.73			
40	Pl2 BPSK	1	214	19.77	19.90	19.78			
40	Pl2 BPSK	108	0	19.75	19.88	19.75	20.5	0.0	
40	Pl2 BPSK	108	54	19.77	19.86	19.78	20.5	0.0	
40	Pl2 BPSK	108	108	19.69	19.83	19.73	20.5	0.0	
40	Pl2 BPSK	216	0	19.78	19.85	19.72			
40	QPSK	1	1	19.83	19.92	19.85			
40	QPSK	1	108	19.76	19.86	19.71	20.5	0.0	
40	QPSK	1	214	19.68	19.91	19.71			
40	QPSK	108	0	19.78	19.86	19.70		20.5	
40	QPSK	108	54	19.86	19.91	19.77	20.5	0.0	
40	QPSK	108	108	19.72	19.80	19.74	20.5	0.0	
40	QPSK	216	0	19.79	19.87	19.84			
40	16QAM	1	1	19.72	19.84	19.75		20.5	
40	64QAM	1	1	19.73	19.81	19.77	20.5	0.0	
40	256QAM	1	1	18.81	18.88	18.78	19.5	1.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR	
35	QPSK	1	1	19.80	19.88	19.82	20.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	19.74	19.78	19.70	20.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	19.80	19.87	19.84	20.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	19.81	19.86	19.83	20.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	19.76	19.85	19.72	20.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	19.71	19.91	19.79	20.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	19.76	19.79	19.67	20.5	0.0	



n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000	19.5	0.0	
Frequency (MHz)				2500	2535	2560			
40	PlZ BPSK	1	1	18.28	18.31	18.38	19.5	0.0	
40	PlZ BPSK	1	108	18.29	18.31	18.26			
40	PlZ BPSK	1	214	18.33	18.30	18.30			
40	PlZ BPSK	108	0	18.31	18.31	18.32	19.5	0.0	
40	PlZ BPSK	108	54	18.31	18.35	18.39	19.5	0.0	
40	PlZ BPSK	108	108	18.25	18.42	18.29	19.5	0.0	
40	PlZ BPSK	216	0	18.29	18.30	18.26	19.5	0.0	
40	QPSK	1	1	18.38	18.45	18.40			
40	QPSK	1	108	18.33	18.40	18.28			
40	QPSK	1	214	18.32	18.39	18.30	19.5	0.0	
40	QPSK	108	0	18.27	18.38	18.34			
40	QPSK	108	54	18.35	18.42	18.38			
40	QPSK	108	108	18.30	18.35	18.28	19.5	0.0	
40	QPSK	216	0	18.30	18.40	18.26	19.5	0.0	
40	16QAM	1	1	18.34	18.35	18.39			
40	8QAM	1	1	18.28	18.37	18.32			
40	256QAM	1	1	18.29	18.34	18.20	19.5	0.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2562.5	19.5	0.0	
35	QPSK	1	1	18.26	18.42	18.27			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2565	19.5	0.0	
30	QPSK	1	1	18.32	18.37	18.29			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2567.5	19.5	0.0	
25	QPSK	1	1	18.33	18.30	18.37			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	19.5	0.0	
20	QPSK	1	1	18.38	18.44	18.35			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0	
15	QPSK	1	1	18.25	18.42	18.28			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	19.5	0.0	
10	QPSK	1	1	18.25	18.34	18.27			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	19.5	0.0	
5	QPSK	1	1	18.35	18.32	18.34			

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.0	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	PlZ BPSK	1	1	22.92	23.05	22.91	24.0	0.0	
15	PlZ BPSK	1	40	23.01	23.08	22.99			
15	PlZ BPSK	1	77	22.90	23.01	22.97			
15	PlZ BPSK	36	0	22.49	22.59	22.56	23.5	0.5	
15	PlZ BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	PlZ BPSK	36	43	22.49	22.60	22.45	23.5	0.5	
15	PlZ BPSK	75	0	22.46	22.52	22.43	24.0	0.0	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90			
15	QPSK	1	77	22.98	23.02	22.92	24.0	1.0	
15	QPSK	36	0	22.80	22.02	22.09			
15	QPSK	36	22	22.95	23.06	22.93			
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.96	21.83	23.0	1.0	
15	16QAM	1	1	21.94	22.08	21.99			
15	8QAM	1	1	20.60	20.72	20.64			
15	256QAM	1	1	18.54	18.55	18.54	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.0	0.0	
10	QPSK	1	1	22.99	22.96	22.82			
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.0	0.0	
5	QPSK	1	1	22.95	23.02	22.89			

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.0	0.0	
Frequency (MHz)				707.5	707.5	708.5			
15	PlZ BPSK	1	1	22.72	22.85	22.79	24.0	0.0	
15	PlZ BPSK	1	40	22.68	22.80	22.74			
15	PlZ BPSK	1	77	22.73	22.78	22.69			
15	PlZ BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	PlZ BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	PlZ BPSK	36	43	22.33	22.48	22.36	23.5	0.5	
15	PlZ BPSK	75	0	22.32	22.45	22.35	24.0	0.0	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77			
15	QPSK	1	77	22.68	22.81	22.75	24.0	1.0	
15	QPSK	36	0	21.85	21.88	21.79			
15	QPSK	36	22	22.72	22.88	22.84			
15	QPSK	36	43	21.73	21.84	21.76	23.0	1.0	
15	QPSK	75	0	21.80	21.81	21.76	23.0	1.0	
15	16QAM	1	1	21.72	21.75	21.60			
15	64QAM	1	1	20.28	20.39	20.31			
15	256QAM	1	1	18.35	18.40	18.32	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.0	0.0	
10	QPSK	1	1	22.78	22.84	22.73			
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.0	0.0	
5	QPSK	1	1	22.71	22.83	22.78			



n14_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				158100					
Frequency (MHz)				795					
10	Pliz BPSK	1	1		23.30		24.0	0.0	
10	Pliz BPSK	1	26		22.72				
10	Pliz BPSK	1	50		23.28				
10	Pliz BPSK	25	0		22.75				
10	Pliz BPSK	25	14		23.25		24.0	0.0	
10	Pliz BPSK	25	27		22.77		23.5	0.5	
10	Pliz BPSK	50	0		22.72		23.5	0.5	
10	QPSK	1	1		23.37		24.0	0.0	
10	QPSK	1	26		23.30				
10	QPSK	1	50		23.33				
10	QPSK	25	0		22.05				
10	QPSK	25	14		23.25		24.0	0.0	
10	QPSK	25	27		22.10		23.0	1.0	
10	QPSK	50	0		22.02		23.0	1.0	
10	16QAM	1	1		22.39		23.0	1.0	
10	64QAM	1	1		20.88		21.5	2.5	
10	256QAM	1	1		18.90		19.5	4.5	
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				795.5	795	795.5			
5	QPSK	1	1	23.32	23.29	23.25	24.0	0.0	

n14_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				158000					
Frequency (MHz)				795					
10	Pliz BPSK	1	1		23.00		24.0	0.0	
10	Pliz BPSK	1	26		23.02				
10	Pliz BPSK	1	50		22.96				
10	Pliz BPSK	25	0		22.58		23.5	0.5	
10	Pliz BPSK	25	14		22.99		24.0	0.0	
10	Pliz BPSK	25	27		22.50		23.5	0.5	
10	Pliz BPSK	50	0		22.54		23.5	0.5	
10	QPSK	1	1		23.07		24.0	0.0	
10	QPSK	1	26		23.03				
10	QPSK	1	50		23.00				
10	QPSK	25	0		22.10		23.0	1.0	
10	QPSK	25	14		22.95		24.0	0.0	
10	QPSK	25	27		22.02		23.0	1.0	
10	QPSK	50	0		22.07		23.0	1.0	
10	16QAM	1	1		22.00		23.0	1.0	
10	64QAM	1	1		20.44		21.5	2.5	
10	256QAM	1	1		18.50		19.5	4.5	
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				795.5	795	795.5			
5	QPSK	1	1	22.90	22.95	22.85	24.0	0.0	

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376500	376500	376500			
Frequency (MHz)				1870	1882.5	1895			
40	Pliz BPSK	1	1		22.34	22.43	22.28	23.0	0.0
40	Pliz BPSK	1	108		22.34	22.36	22.33		
40	Pliz BPSK	1	214		22.42	22.45	22.34		
40	Pliz BPSK	108	0		22.32	22.41	22.38		
40	Pliz BPSK	108	54		22.42	22.36	22.36	23.0	0.0
40	Pliz BPSK	108	108		22.33	22.37	22.37	23.0	0.0
40	Pliz BPSK	216	0		22.30	22.43	22.28	23.0	0.0
40	QPSK	1	1		22.44	22.48	22.42		
40	QPSK	1	108		22.37	22.44	22.33		
40	QPSK	1	214		22.41	22.43	22.35		
40	QPSK	108	0		22.32	22.34	22.37	23.0	0.0
40	QPSK	108	54		22.35	22.44	22.35	23.0	0.0
40	QPSK	108	108		22.34	22.42	22.37	23.0	0.0
40	QPSK	216	0		22.40	22.45	22.43	23.0	0.0
40	6QAM	1	1		22.32	22.47	22.41	23.0	0.0
40	6QAM	1	1		20.88	21.00	20.88	21.5	1.5
40	256QAM	1	1		18.88	18.92	18.78	19.5	3.5
Channel				376500	376500	376500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	22.30	22.45	22.37	23.0	0.0	
Channel				376000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1		22.34	22.35	22.30	23.0	0.0
Channel				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1892.5	1902.5			
25	QPSK	1	1		22.42	22.38	22.33	23.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1882.5	1905			
20	QPSK	1	1		22.43	22.36	22.32	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1877.5	1892.5	1907.5			
15	QPSK	1	1		22.40	22.45	22.39	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1882.5	1910			
10	QPSK	1	1		22.41	22.43	22.29	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1912.5			
5	QPSK	1	1	22.43	22.41	22.28	23.0	0.0	



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	21.32	21.32	21.28	22.0	0.0	
40	Pl2 BPSK	1	108	21.34	21.33	21.20			
40	Pl2 BPSK	1	214	21.22	21.39	21.20			
40	Pl2 BPSK	108	0	21.32	21.37	21.32			
40	Pl2 BPSK	108	54	21.25	21.34	21.20	22.0	0.0	
40	Pl2 BPSK	108	108	21.30	21.30	21.30	22.0	0.0	
40	Pl2 BPSK	216	0	21.20	21.30	21.19			
40	QPSK	1	1	21.35	21.41	21.33	22.0	0.0	
40	QPSK	1	108	21.24	21.32	21.25			
40	QPSK	1	214	21.28	21.34	21.27			
40	QPSK	108	0	21.29	21.32	21.29			
40	QPSK	108	54	21.35	21.40	21.35	22.0	0.0	
40	QPSK	108	108	21.26	21.30	21.31	22.0	0.0	
40	QPSK	216	0	21.23	21.35	21.28			
40	16QAM	1	1	21.29	21.32	21.22	22.0	0.0	
40	64QAM	1	1	20.88	20.90	20.77	21.5	0.5	
40	256QAM	1	1	18.82	18.88	18.74	19.5	2.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	1897.5	1892.5	1897.5	22.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	1865	1882.5	1900	22.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	1862.5	1882.5	1902.5	22.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.28	21.40	21.27	22.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.22	21.37	21.28	22.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1865	1882.5	1910	22.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.25	21.31	21.23	22.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	19.64	19.58	19.60	20.5	0.0	
40	Pl2 BPSK	1	108	19.61	19.65	19.67			
40	Pl2 BPSK	1	214	19.58	19.61	19.60			
40	Pl2 BPSK	108	0	19.62	19.57	19.69			
40	Pl2 BPSK	108	54	19.65	19.68	19.67	20.5	0.0	
40	Pl2 BPSK	108	108	19.64	19.66	19.64	20.5	0.0	
40	Pl2 BPSK	216	0	19.56	19.65	19.66			
40	QPSK	1	1	19.67	19.72	19.70	20.5	0.0	
40	QPSK	1	108	19.65	19.69	19.59			
40	QPSK	1	214	19.57	19.71	19.57			
40	QPSK	108	0	19.60	19.62	19.61			
40	QPSK	108	54	19.62	19.70	19.64	20.5	0.0	
40	QPSK	108	108	19.58	19.66	19.60	20.5	0.0	
40	QPSK	216	0	19.53	19.68	19.60			
40	16QAM	1	1	19.63	19.63	19.60	20.5	0.0	
40	64QAM	1	1	19.59	19.57	19.59	20.5	0.0	
40	256QAM	1	1	18.68	18.70	18.58	19.5	1.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	19.66	19.66	19.69	20.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.55	19.66	19.58	20.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	19.53	19.67	19.67	20.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.64	19.65	19.65	20.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.65	19.69	19.60	20.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.55	19.70	19.66	20.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.62	19.69	19.64	20.5	0.0	

n25_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376500	379500			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	21.41	21.40	21.26	22.5	0.0	
40	Pl2 BPSK	1	108	21.36	21.46	21.33			
40	Pl2 BPSK	1	214	21.36	21.44	21.28			
40	Pl2 BPSK	108	0	21.35	21.39	21.29			
40	Pl2 BPSK	108	54	21.35	21.45	21.32	22.5	0.0	
40	Pl2 BPSK	108	108	21.38	21.41	21.32	22.5	0.0	
40	Pl2 BPSK	216	0	21.36	21.37	21.29			
40	QPSK	1	1	21.42	21.47	21.40	22.5	0.0	
40	QPSK	1	108	21.32	21.35	21.28			
40	QPSK	1	214	21.37	21.40	21.29			
40	QPSK	108	0	21.36	21.39	21.36			
40	QPSK	108	54	21.40	21.46	21.37	22.5	0.0	
40	QPSK	108	108	21.39	21.32	21.33	22.5	0.0	
40	QPSK	216	0	21.37	21.45	21.29			
40	16QAM	1	1	21.39	21.36	21.26	22.5	0.0	
40	64QAM	1	1	20.44	20.45	20.43	21.5	1.0	
40	256QAM	1	1	18.50	18.56	18.45	19.5	3.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	21.30	21.39	21.25	22.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.55	18.62	18.55	22.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.30	21.33	21.32	22.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.34	21.34	21.27	22.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.40	21.44	21.39	22.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.55	1882.5	1910	22.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.35	21.34	21.26	22.5	0.0	



n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				831.5	831.5	836			
20	Pliz BPSK	1	1	22.88	22.93	23.02	24.0	0.0	
20	Pliz BPSK	1	53	22.84	22.76	22.90			
20	Pliz BPSK	1	104	22.93	22.93	22.96			
20	Pliz BPSK	50	0	22.44	22.43	22.47			
20	Pliz BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	Pliz BPSK	50	56	22.39	22.45	22.52	23.5	0.5	
20	Pliz BPSK	100	0	22.40	22.47	22.50			
20	QPSK	1	1	23.03	23.01	23.05	24.0	0.0	
20	QPSK	1	53	23.01	22.95	23.04			
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07			
20	QPSK	50	28	22.91	22.96	22.96	24.0	0.0	
20	QPSK	50	56	22.07	21.96	22.10	23.0	1.0	
20	QPSK	100	0	22.02	21.99	22.05			
20	16QAM	1	1	21.89	21.95	22.00	23.0	1.0	
20	64QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.94	22.95	22.98	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	836			
20	Pliz BPSK	1	1	22.96	22.89	23.02	24.0	0.0	
20	Pliz BPSK	1	53	22.78	22.75	22.90			
20	Pliz BPSK	1	104	22.91	22.95	22.96			
20	Pliz BPSK	50	0	22.34	22.36	22.47			
20	Pliz BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	Pliz BPSK	50	56	22.39	22.50	22.52	23.5	0.5	
20	Pliz BPSK	100	0	22.40	22.35	22.50			
20	QPSK	1	1	22.97	23.01	23.05	24.0	0.0	
20	QPSK	1	53	22.93	22.92	23.04			
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.99	22.07			
20	QPSK	50	28	22.95	22.91	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.95	22.10	23.0	1.0	
20	QPSK	100	0	21.96	21.95	22.05			
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	64QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				831.5	831.5	836			
20	Pliz BPSK	1	1	22.76	22.79	22.87	24.0	0.0	
20	Pliz BPSK	1	53	22.81	22.80	22.85			
20	Pliz BPSK	1	104	22.74	22.77	22.79			
20	Pliz BPSK	50	0	22.50	22.47	22.52			
20	Pliz BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	Pliz BPSK	50	56	22.38	22.32	22.42	23.5	0.5	
20	Pliz BPSK	100	0	22.33	22.37	22.44			
20	QPSK	1	1	22.97	22.97	22.85	24.0	0.0	
20	QPSK	1	53	22.75	22.70	22.80			
20	QPSK	1	104	22.84	22.84	22.77			
20	QPSK	50	0	21.77	21.75	21.90			
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95	23.0	1.0	
20	QPSK	100	0	21.84	21.76	21.90			
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	64QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				164300	166300	168300	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				163800	166300	168800	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0	
Channel				163300	166300	169300	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.85			
20	Pl2 BPSK	1	104	22.75	22.74	22.76	23.5	0.5	
20	Pl2 BPSK	50	0	22.49	22.40	22.52	24.0	0.0	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42	23.5	0.5	
20	Pl2 BPSK	100	0	22.33	22.32	22.44	24.0	0.0	
20	QPSK	1	1	22.60	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80			
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.81	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.76	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95	23.0	1.0	
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	8QAM	1	1	21.76	21.73	21.88	23.0	1.0	
20	8QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	838.5	24.0	0.0	
15	QPSK	1	1	22.72	22.69	22.83			
Channel				166800	167300	168800		24.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.75	22.67	22.78			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.72	22.65	22.82			

n30_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			24.0	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1		23.42					23.5	0.5	
10	Pl2 BPSK	1	26		23.38							
10	Pl2 BPSK	1	50		23.47							
10	Pl2 BPSK	25	0		23.01		24.0	0.0				
10	Pl2 BPSK	25	14		23.48		23.5	0.5				
10	Pl2 BPSK	25	27		23.05		24.0	0.5				
10	Pl2 BPSK	50	0		23.03							
10	QPSK	1	1		23.50							
10	QPSK	1	26		23.45			24.0	0.0			
10	QPSK	1	50		23.47		23.0	1.0				
10	QPSK	25	0		22.46		24.0	0.0				
10	QPSK	25	14		23.43		23.0	1.0				
10	QPSK	25	27		22.49		23.0	1.0				
10	QPSK	50	0		22.45		23.0	1.0				
10	16QAM	1	1		22.48		21.5	2.5				
10	16QAM	1	1		20.96		19.5	4.5				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0				
5	QPSK	1	1	23.45	23.49	23.41						

n30_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			23.0	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1		22.35							
10	Pl2 BPSK	1	26		22.33							
10	Pl2 BPSK	1	50		22.40		23.0	0.0				
10	Pl2 BPSK	25	0		22.36		23.0	0.0				
10	Pl2 BPSK	25	14		22.39		23.0	0.0				
10	Pl2 BPSK	25	27		22.41		23.0	0.0				
10	Pl2 BPSK	50	0		22.37		23.0	0.0				
10	QPSK	1	1		22.48							
10	QPSK	1	26		22.45							
10	QPSK	1	50		22.38			23.0				
10	QPSK	25	0		22.41		23.0	0.0				
10	QPSK	25	14		22.47		23.0	0.0				
10	QPSK	25	27		22.44		23.0	0.0				
10	QPSK	50	0		22.42		23.0	0.0				
10	16QAM	1	1		22.40		21.5	2.5				
10	16QAM	1	1		20.88		19.5	3.5				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	23.0	0.0				
5	QPSK	1	1	22.44	22.47	22.41						



n30_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1		22.60		23.5	0.0	
10	Pl2 BPSK	1	26		22.61				
10	Pl2 BPSK	1	50		22.51		23.5	0.0	
10	Pl2 BPSK	25	0		22.63		23.5	0.0	
10	Pl2 BPSK	25	14		22.65		23.5	0.0	
10	Pl2 BPSK	25	27		22.52		23.5	0.0	
10	Pl2 BPSK	50	0		22.65		23.5	0.0	
10	QPSK	1	1		22.66		23.5		
10	QPSK	1	26		22.57				
10	QPSK	1	50		22.59		23.0	0.5	
10	QPSK	25	0		22.22		23.5	0.0	
10	QPSK	25	14		22.53		23.5	0.0	
10	QPSK	25	27		22.18		23.0	0.5	
10	QPSK	50	0		22.15		23.0	0.5	
10	8QAM	1	1		22.00		23.0	0.5	
10	8QAM	1	1		20.55		21.5	2.0	
10	256QAM	1	1		18.53		19.5	4.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1		22.61	22.54	22.60	23.5	0.0

n30_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				460000				
Frequency (MHz)				2310				
10	Pliz BPSK	1	1		20.97		22.0	0.0
10	Pliz BPSK	1	26		20.91			
10	Pliz BPSK	1	50		20.99		22.0	0.0
10	Pliz BPSK	25	0		21.02		22.0	0.0
10	Pliz BPSK	25	14		21.00		22.0	0.0
10	Pliz BPSK	25	27		20.98		22.0	0.0
10	Pliz BPSK	50	0		20.96		22.0	0.0
10	QPSK	1	1		21.06		22.0	
10	QPSK	1	26		20.93			
10	QPSK	1	50		20.91		22.0	
10	QPSK	25	0		20.97		22.0	0.0
10	QPSK	25	14		21.00		22.0	0.0
10	QPSK	25	27		20.96		22.0	0.0
10	QPSK	50	0		20.98		22.0	0.0
10	16QAM	1	1		21.02		22.0	0.0
10	64QAM	1	1		20.22		21.5	0.5
10	256QAM	1	1		18.20		19.5	2.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	20.92	20.97	20.95	22.0	0.0

n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	350000		
Frequency (MHz)				1730	1745	1760		
40	Pliz BPSK	1	1	22.79	22.90	22.88	24.0	0.0
40	Pliz BPSK	1	108	22.77	22.85	22.78		
40	Pliz BPSK	1	214	22.77	22.88	22.80		
40	Pliz BPSK	108	0	22.68	22.79	22.66	24.0	0.0
40	Pliz BPSK	108	54	22.62	22.77	22.70	24.0	0.0
40	Pliz BPSK	108	108	22.72	22.85	22.83	24.0	0.0
40	Pliz BPSK	216	0	22.74	22.83	22.80	24.0	0.0
40	QPSK	1	1	22.94	23.00	22.98	24.0	0.0
40	QPSK	1	108	22.90	22.97	22.95		
40	QPSK	1	214	22.85	22.91	22.78		
40	QPSK	108	0	22.71	22.84	22.82	24.0	0.0
40	QPSK	108	54	22.61	22.90	22.85	24.0	0.0
40	QPSK	108	108	22.75	22.88	22.87	24.0	0.0
40	QPSK	216	0	22.88	22.92	22.80	24.0	0.0
40	16QAM	1	1	22.88	22.96	22.89	24.0	0.0
40	64QAM	1	1	21.43	21.45	21.36	22.5	1.5
40	256QAM	1	1	19.27	19.42	19.28	20.5	3.5
Channel				345500	346000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.82	22.91	22.88	24.0	0.0
Channel				345000	346000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.79	22.89	22.92	24.0	0.0
Channel				344500	346000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.82	22.91	22.85	24.0	0.0
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.87	22.91	22.91	24.0	0.0
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.83	22.91	22.86	24.0	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.83	22.89	22.91	24.0	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.85	22.90	22.88	24.0	0.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000	21.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	19.95	19.95	19.90			
40	Pl2 BPSK	1	108	19.92	20.07	19.92			
40	Pl2 BPSK	1	214	19.90	20.07	20.01	21.0	0.0	
40	Pl2 BPSK	108	0	19.99	20.05	19.90			
40	Pl2 BPSK	108	54	19.88	19.99	19.91			
40	Pl2 BPSK	108	108	19.95	19.95	19.87			
40	Pl2 BPSK	216	0	19.94	19.97	19.95	21.0	0.0	
40	QPSK	1	1	20.00	20.08	20.02			
40	QPSK	1	108	19.93	19.99	19.91		21.0	
40	QPSK	1	214	19.98	19.96	20.00			
40	QPSK	108	0	19.90	20.01	19.91			
40	QPSK	108	54	19.93	20.05	19.98	21.0	0.0	
40	QPSK	108	108	19.92	20.03	19.95			
40	QPSK	216	0	19.97	20.01	19.98			
40	8QAM	1	1	19.97	19.96	20.00	21.0	0.0	
40	8QAM	1	1	19.94	19.96	19.90			
40	256QAM	1	1	19.37	19.45	19.31		20.5	
Channel				345000	349000	352500			
Frequency (MHz)				1722.5	1745	1762.5	21.0	0.0	
35	QPSK	1	1	19.99	20.01	19.87			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.57	20.00	19.47		21.0	
Channel				345000	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	19.88	20.05	19.89	21.0	0.0	
Channel				345000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.90	20.05	19.91	21.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.54	20.08	20.01	21.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.87	20.04	19.94	21.0	0.0	
Channel				342000	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.87	20.01	19.92		21.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000	22.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	21.29	21.31	21.24			
40	Pl2 BPSK	1	108	21.29	21.29	21.26			
40	Pl2 BPSK	1	214	21.25	21.37	21.18	22.0	0.0	
40	Pl2 BPSK	108	0	21.17	21.37	21.28			
40	Pl2 BPSK	108	54	21.18	21.36	21.30			
40	Pl2 BPSK	108	108	21.21	21.36	21.20			
40	Pl2 BPSK	216	0	21.26	21.25	21.19	22.0	0.0	
40	QPSK	1	1	21.31	21.38	21.33			
40	QPSK	1	108	21.22	21.34	21.24		22.0	
40	QPSK	1	214	21.16	21.36	21.32			
40	QPSK	108	0	21.23	21.24	21.22			
40	QPSK	108	54	21.30	21.31	21.28	22.0	0.0	
40	QPSK	108	108	21.29	21.29	21.27			
40	QPSK	216	0	21.26	21.37	21.32			
40	8QAM	1	1	21.16	21.30	21.27	22.0	0.0	
40	8QAM	1	1	20.75	20.85	20.79			
40	256QAM	1	1	18.69	18.80	18.68		19.5	
Channel				345000	349000	352500			
Frequency (MHz)				1722.5	1745	1762.5	22.0	0.0	
35	QPSK	1	1	21.27	21.29	21.25			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.20	21.27	21.19		22.0	
Channel				345000	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	21.17	21.36	21.28	22.0	0.0	
Channel				343500	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	21.28	21.28	21.29	22.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.29	21.27	21.31	22.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.22	21.33	21.28	22.0	0.0	
Channel				342000	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.22	21.28	21.29		22.0	

n66_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000	24.0	0.0		
Frequency (MHz)				1720	1745	1760				
40	P2 BPSK	1	1	22.93	22.95	22.92				
40	P2 BPSK	1	108	22.89	23.00	22.90				
40	P2 BPSK	1	214	22.90	22.91	22.84	23.5	0.5		
40	P2 BPSK	108	0	22.91	22.97	22.96				
40	P2 BPSK	108	54	22.90	22.94	22.87				
40	P2 BPSK	108	108	22.96	22.91	22.86				
40	P2 BPSK	216	0	22.93	22.48	22.38	24.0	0.5		
40	QPSK	1	1	22.97	23.02	22.90				
40	QPSK	1	108	22.87	23.00	22.85				
40	QPSK	1	214	22.94	22.97	22.84				
40	QPSK	108	0	22.96	22.99	22.95	23.0	0.0		
40	QPSK	108	54	22.95	22.95	22.97				
40	QPSK	108	108	22.99	22.10	21.97				
40	QPSK	216	0	22.91	22.05	21.97	23.0	1.0		
40	8QAM	1	1	21.91	21.96	21.91				
40	8QAM	1	1	20.40	20.55	20.42				
40	256QAM	1	1	18.44	18.59	18.49				
Channel				346000	349000	352500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1722.5	1745	1762.5				
35	QPSK	1	1	22.91	22.90	22.80		24.0	0.0	
Channel				345000	349000	353000				
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	22.89	22.91	22.80	24.0	0.0		
Channel				345000	349000	353500				
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	22.86	22.94	22.76	24.0	0.0		
Channel				343500	349000	354000				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	22.90	22.91	22.85	24.0	0.0		
Channel				343500	349000	354500				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	22.87	22.88	22.76	24.0	0.0		
Channel				343000	349000	355000				
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	22.84	22.96	22.76				
Channel				342500	349000	355500				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	22.83	22.84	22.79	24.0	0.0		



n70_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000				
Frequency (MHz)				1702.5				
15	Pliz BPSK	1	1		23.68		24.0	0.0
15	Pliz BPSK	1	40		23.63			
15	Pliz BPSK	1	77		23.60			
15	Pliz BPSK	36	0		23.19		23.5	0.5
15	Pliz BPSK	36	22		23.62		24.0	0.0
15	Pliz BPSK	36	43		23.10		23.5	0.5
15	Pliz BPSK	75	0		23.15			
15	QPSK	1	1		23.70		24.0	0.0
15	QPSK	1	40		23.62			
15	QPSK	1	77		23.65			
15	QPSK	36	0		22.80		23.0	1.0
15	QPSK	36	22		23.06		24.0	0.0
15	QPSK	36	43		22.70		23.0	1.0
15	QPSK	75	0		22.67			
15	8QAM	1	1		22.59		23.0	1.0
15	8QAM	1	1		21.20		21.5	2.5
15	256QAM	1	1		19.20		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.97	23.63	23.04	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.52	23.52	23.55	24.0	0.0

n70_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000				
Frequency (MHz)				1702.5				
15	Pliz BPSK	1	1		22.95		24.0	0.0
15	Pliz BPSK	1	40		22.88			
15	Pliz BPSK	1	77		22.90			
15	Pliz BPSK	36	0		22.45		23.5	0.5
15	Pliz BPSK	36	22		22.96		24.0	0.0
15	Pliz BPSK	36	43		22.42		23.5	0.5
15	Pliz BPSK	75	0		22.50			
15	QPSK	1	1		23.00		24.0	0.0
15	QPSK	1	40		22.90			
15	QPSK	1	77		22.94			
15	QPSK	36	0		22.06		23.0	1.0
15	QPSK	36	22		22.92		24.0	0.0
15	QPSK	36	43		22.02		23.0	1.0
15	QPSK	75	0		22.00			
15	8QAM	1	1		22.06		23.0	1.0
15	8QAM	1	1		20.55		21.5	2.5
15	256QAM	1	1		19.60		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.91	22.95	22.96	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.87	22.91	22.77	24.0	0.0

n70_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000				
Frequency (MHz)				1702.5				
15	Pliz BPSK	1	1		21.29		22.0	0.0
15	Pliz BPSK	1	40		21.26			
15	Pliz BPSK	1	77		21.37			
15	Pliz BPSK	36	0		21.29		22.0	0.0
15	Pliz BPSK	36	22		21.30		22.0	0.0
15	Pliz BPSK	36	43		21.31		22.0	0.0
15	Pliz BPSK	75	0		21.29			
15	QPSK	1	1		21.40		22.0	0.0
15	QPSK	1	40		21.35			
15	QPSK	1	77		21.27			
15	QPSK	36	0		21.52		22.0	0.0
15	QPSK	36	22		21.34		22.0	0.0
15	QPSK	36	43		21.28		22.0	0.0
15	QPSK	75	0		21.33			
15	8QAM	1	1		21.28		22.0	0.0
15	8QAM	1	1		21.00		21.5	0.5
15	256QAM	1	1		19.00		19.5	2.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.37	21.28	21.32	22.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.31	21.31	21.32	22.0	0.0



n70_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000					
Frequency (MHz)				1702.5					
15	Pl2 BPSK	1	1		21.81		22.5	0.0	
15	Pl2 BPSK	1	40		21.75				
15	Pl2 BPSK	1	77		21.78		22.5	0.0	
15	Pl2 BPSK	36	0		21.72		22.5	0.0	
15	Pl2 BPSK	36	22		21.77		22.5	0.0	
15	Pl2 BPSK	36	43		21.81		22.5	0.0	
15	Pl2 BPSK	75	0		21.68		22.5	0.0	
15	QPSK	1	1		21.82		22.5	0.0	
15	QPSK	1	40		21.71				
15	QPSK	1	77		21.68		22.5	0.0	
15	QPSK	36	0		21.69		22.5	0.0	
15	QPSK	36	22		21.75		22.5	0.0	
15	QPSK	36	43		21.67		22.5	0.0	
15	QPSK	75	0		21.78		22.5	0.0	
15	16QAM	1	1		21.69		22.5	0.0	
15	64QAM	1	1		20.90		21.5	1.0	
15	256QAM	1	1		18.85		19.5	3.0	
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	21.70	21.78	21.75	22.5	0.0	
Channel				336000	340000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1687.5	1702.5	1707.5			
5	QPSK	1	1	21.79	21.80	21.72	22.5	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134000	134100	137600	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1		23.03	23.03	23.07	24.0	0.0
20	Pl2 BPSK	1	53		22.91	23.04	23.01		
20	Pl2 BPSK	1	104		23.06	23.02	23.02	23.5	0.5
20	Pl2 BPSK	50	0		22.72	22.60	22.69	23.5	0.5
20	Pl2 BPSK	50	28		23.06	23.03	23.04	24.0	0.0
20	Pl2 BPSK	50	56		22.68	22.61	22.63	23.5	0.5
20	Pl2 BPSK	100	0		22.62	22.55	22.55	23.5	0.5
20	QPSK	1	1		23.07	23.14	23.10	24.0	0.0
20	QPSK	1	53		23.05	23.04	22.96		
20	QPSK	1	104		23.03	23.12	22.88	24.0	0.0
20	QPSK	50	0		22.98	22.15	22.09	23.0	1.0
20	QPSK	50	28		22.97	23.10	23.07	24.0	0.0
20	QPSK	50	56		22.14	22.11	22.13	23.0	1.0
20	QPSK	100	0		22.03	22.05	22.03	23.0	1.0
20	16QAM	1	1		22.03	22.15	22.02	23.0	1.0
20	64QAM	1	1		20.57	20.68	20.61	21.5	2.5
20	256QAM	1	1		18.63	18.68	18.55	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.01	23.06	23.01	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.98	23.06	22.96	24.0	0.0
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1		665.5	680.5	695.5	24.0	0.0

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	134100	137600	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1		22.72	22.82	22.79	24.0	0.0
20	Pl2 BPSK	1	53		22.69	22.75	22.74		
20	Pl2 BPSK	1	104		22.69	22.60	22.65	23.5	0.5
20	Pl2 BPSK	50	0		22.34	22.44	22.36	23.5	0.5
20	Pl2 BPSK	50	28		22.79	22.80	22.78	24.0	0.0
20	Pl2 BPSK	50	56		22.36	22.39	22.35	23.5	0.5
20	Pl2 BPSK	100	0		22.32	22.33	22.34	23.5	0.5
20	QPSK	1	1		22.77	22.85	22.75	24.0	0.0
20	QPSK	1	53		22.68	22.77	22.73		
20	QPSK	1	104		22.69	22.83	22.69	24.0	0.0
20	QPSK	50	0		21.79	21.89	21.84	23.0	1.0
20	QPSK	50	28		22.72	22.80	22.71	24.0	0.0
20	QPSK	50	56		21.87	21.90	21.83	23.0	1.0
20	QPSK	100	0		21.73	21.82	21.67	23.0	1.0
20	16QAM	1	1		21.83	21.86	21.76	23.0	1.0
20	64QAM	1	1		20.37	20.39	20.33	21.5	2.5
20	256QAM	1	1		18.30	18.40	18.32	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.67	22.75	22.68	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		668	680.5	693	24.0	0.0
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1		22.66	22.74	22.63	24.0	0.0



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
				2560.02	2565	2569.98			
40	Pl/2 BPSK	1	1	22.94	23.05	22.99		24.0	0.0
40	Pl/2 BPSK	1	53	22.81	22.96	22.87			
40	Pl/2 BPSK	1	104	22.80	22.82	22.79			
40	Pl/2 BPSK	50	0	22.98	23.00	22.98			
40	Pl/2 BPSK	50	28	22.98	22.99	22.97		24.0	0.0
40	Pl/2 BPSK	50	56	22.68	22.75	22.60		24.0	0.0
40	Pl/2 BPSK	100	0	22.89	22.98	22.93			
40	QPSK	1	1	23.04	23.10	23.06			
40	QPSK	1	53	22.92	23.02	22.90			
40	QPSK	1	104	22.88	22.97	22.93		24.0	0.0
40	QPSK	50	0	22.53	22.55	22.47			
40	QPSK	50	28	22.74	22.95	22.86			
40	QPSK	50	56	22.15	22.30	22.24			
40	QPSK	100	0	22.44	22.45	22.43		23.5	0.5
40	16QAM	1	1	22.43	22.50	22.38		23.5	0.5
40	64QAM	1	1	20.85	20.95	20.81		22.0	2.0
40	256QAM	1	1	18.88	18.97	18.88		20.0	4.0
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
				2565.01	2565	2604.99			
30	QPSK	1	1	22.93	23.03	22.97		24.0	0.0
Channel									
Frequency (MHz)				516004	516000	521496	Tune-up limit (dBm)	MPR (dB)	
				2562.52	2565	2607.48			
25	QPSK	1	1	22.93	23.02	22.96		24.0	0.0
Channel									
Frequency (MHz)				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
				2565	2595	2610			
20	QPSK	1	1	22.91	23.01	22.93		24.0	0.0
Channel									
Frequency (MHz)				515002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2575.01	2595	2614.98			
15	QPSK	1	1	22.95	23.04	22.94		24.0	0.0
Channel									
Frequency (MHz)				516004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
10	QPSK	1	1	22.99	23.01	22.94		24.0	0.0

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
				2560.02	2565	2569.98			
40	Pl/2 BPSK	1	1	22.50	22.46	22.54		23.5	0.0
40	Pl/2 BPSK	1	53	22.49	22.47	22.43			
40	Pl/2 BPSK	1	104	22.54	22.55	22.47			
40	Pl/2 BPSK	50	0	22.44	22.56	22.54			
40	Pl/2 BPSK	50	28	22.52	22.45	22.54		23.5	0.0
40	Pl/2 BPSK	50	56	22.40	22.47	22.52		23.5	0.0
40	Pl/2 BPSK	100	0	22.53	22.46	22.52			
40	QPSK	1	1	22.55	22.60	22.55			
40	QPSK	1	53	22.44	22.53	22.53			
40	QPSK	1	104	22.46	22.56	22.44		23.5	0.0
40	QPSK	50	0	22.43	22.45	22.36			
40	QPSK	50	28	22.45	22.45	22.45			
40	QPSK	50	56	22.36	22.40	22.38			
40	QPSK	100	0	22.37	22.38	22.29		23.5	0.0
40	16QAM	1	1	22.36	22.38	22.25		23.5	0.0
40	64QAM	1	1	20.78	20.90	20.75		22.0	1.5
40	256QAM	1	1	18.84	18.85	18.83		20.0	3.5
Channel									
Frequency (MHz)				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
				2565.01	2595	2604.99			
30	QPSK	1	1	22.53	22.49	22.54		23.5	0.0
Channel									
Frequency (MHz)				516004	516000	521496	Tune-up limit (dBm)	MPR (dB)	
				2562.52	2595	2607.48			
25	QPSK	1	1	22.49	22.59	22.54		23.5	0.0
Channel									
Frequency (MHz)				515002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2580	2595	2610			
20	QPSK	1	1	22.50	22.59	22.53		23.5	0.0
Channel									
Frequency (MHz)				515002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
15	QPSK	1	1	22.50	22.45	22.51		23.5	0.0
Channel									
Frequency (MHz)				516004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
10	QPSK	1	1	22.45	22.50	22.46		23.5	0.0

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
				2560.02	2565	2569.98			
40	Pl/2 BPSK	1	1	19.06	19.15	19.06		20.0	0.0
40	Pl/2 BPSK	1	53	19.07	19.15	19.08			
40	Pl/2 BPSK	1	104	19.00	19.12	19.07			
40	Pl/2 BPSK	50	0	19.10	19.09	19.03			
40	Pl/2 BPSK	50	28	19.00	19.07	19.12		20.0	0.0
40	Pl/2 BPSK	50	56	19.05	19.12	19.05		20.0	0.0
40	Pl/2 BPSK	100	0	19.06	19.19	19.01			
40	QPSK	1	1	19.13	19.20	19.15			
40	QPSK	1	53	19.04	19.15	19.05			
40	QPSK	1	104	19.11	19.17	19.07		20.0	0.0
40	QPSK	50	0	19.02	19.13	19.11			
40	QPSK	50	28	19.12	19.16	19.12			
40	QPSK	50	56	19.10	19.07	19.08			
40	QPSK	100	0	19.99	19.08	19.00		20.0	0.0
40	16QAM	1	1	19.02	19.15	19.05		20.0	0.0
40	64QAM	1	1	19.05	19.12	19.14		20.0	0.0
40	256QAM	1	1	19.04	19.06	18.87		20.0	0.0
Channel									
Frequency (MHz)				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
				2565.01	2565	2604.99			
30	QPSK	1	1	18.99	19.15	19.13		20.0	0.0
Channel									
Frequency (MHz)				516004	516000	521496	Tune-up limit (dBm)	MPR (dB)	
				2562.52	2565	2607.48			
25	QPSK	1	1	19.03	19.05	19.08		20.0	0.0
Channel									
Frequency (MHz)				515002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2575.01	2595	2614.99			
20	QPSK	1	1	19.08	19.18	19.12		20.0	0.0
Channel									
Frequency (MHz)				515002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2575.01	2595	2614.99			
15	QPSK	1	1	18.99	19.10	19.00		20.0	0.0
Channel									
Frequency (MHz)				516004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
10	QPSK	1	1	19.10	19.11	19.10		20.0	0.0



n38_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				518004	518000	518996	21.0	0.0
Frequency (MHz)				2560.02	2555	2550.98		
40	PI2 BPSK	1	1	19.70	19.70	19.64	21.0	0.0
40	PI2 BPSK	1	53	19.71	19.65	19.74		
40	PI2 BPSK	1	104	19.71	19.73	19.75	21.0	0.0
40	PI2 BPSK	50	0	19.61	19.77	19.69		
40	PI2 BPSK	50	28	19.61	19.67	19.62	21.0	0.0
40	PI2 BPSK	50	55	19.71	19.68	19.68	21.0	0.0
40	PI2 BPSK	100	0	19.71	19.65	19.74	21.0	0.0
40	QPSK	1	1	19.75	19.65	19.77		
40	QPSK	1	53	19.69	19.65	19.67	21.0	0.0
40	QPSK	1	104	19.64	19.75	19.63	21.0	0.0
40	QPSK	50	0	19.73	19.69	19.70		
40	QPSK	50	28	19.74	19.75	19.77	21.0	0.0
40	QPSK	50	55	19.67	19.73	19.71	21.0	0.0
40	QPSK	100	0	19.63	19.66	19.62	21.0	0.0
40	16QAM	1	1	19.62	19.75	19.65	21.0	0.0
40	64QAM	1	1	19.63	19.70	19.69	21.0	0.0
40	256QAM	1	1	19.03	19.18	19.10	19.5	1.5
Channel				517002	516000	516998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2548.01	2545	2544.99	(dBm)	(dB)
30	QPSK	1	1	19.64	19.65	19.71	21.0	0.0
Channel				516004	515000	514996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2562.02	2555	2550.98	(dBm)	(dB)
25	QPSK	1	1	19.66	19.75	19.71	21.0	0.0
Channel				516000	515000	514996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2560	2555	2550	(dBm)	(dB)
20	QPSK	1	1	19.66	19.71	19.66	21.0	0.0
Channel				515502	515000	514998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2577.01	2564	2562.99	(dBm)	(dB)
15	QPSK	1	1	19.73	19.73	19.64	21.0	0.0
Channel				516004	515000	514996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2573.02	2565	2564.98	(dBm)	(dB)
10	QPSK	1	1	19.72	19.65	19.67	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				502002	518598	520000	24.0	0.0
Frequency (MHz)				2546.01	2552.99	2550		
100	PI2 BPSK	1	1	23.28	23.41	23.30	24.0	0.0
100	PI2 BPSK	1	137	23.28	23.35	23.23		
100	PI2 BPSK	1	271	23.32	23.34	23.26	24.0	0.0
100	PI2 BPSK	135	0	23.25	23.34	23.27		
100	PI2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0
100	PI2 BPSK	135	138	23.27	23.42	23.33	24.0	0.0
100	PI2 BPSK	270	0	23.32	23.40	23.27	24.0	0.0
100	QPSK	1	1	23.35	23.45	23.31		
100	QPSK	1	137	23.29	23.38	23.30	24.0	0.0
100	QPSK	1	271	23.19	23.34	23.27	24.0	0.0
100	QPSK	135	0	23.22	23.31	23.24		
100	QPSK	135	69	23.18	23.35	23.27	24.0	0.0
100	QPSK	135	138	23.24	23.36	23.29	24.0	0.0
100	QPSK	270	0	23.40	23.42	23.28	24.0	0.0
100	16QAM	1	1	23.30	23.27	23.31	24.0	0.0
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0
100	256QAM	1	1	21.83	21.95	21.87	22.5	1.5
Channel				506000	518598	518996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2548	2552.99	2544.98	(dBm)	(dB)
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0
Channel				507204	518598	518996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2550.99	2540.99	(dBm)	(dB)
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0
Channel				507502	518598	517000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2552.99	2555	(dBm)	(dB)
70	QPSK	1	1	23.26	23.33	23.18	24.0	0.0
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2534	2552.99	2558.99	(dBm)	(dB)
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0
Channel				504204	518598	530996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2552.99	2554.99	(dBm)	(dB)
50	QPSK	1	1	23.33	23.32	23.19	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2552.99	2570	(dBm)	(dB)
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0
Channel				502000	518598	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2552.99	2574.98	(dBm)	(dB)
30	QPSK	1	1	23.26	23.38	23.21	24.0	0.0
Channel				501702	518598	535000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.01	2552.99	2577.5	(dBm)	(dB)
25	QPSK	1	1	23.15	23.32	23.04	24.0	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2552.99	2575.99	(dBm)	(dB)
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0
Channel				501000	518598	535500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2552.99	2582.48	(dBm)	(dB)
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2493.01	2552.99	2585	(dBm)	(dB)
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0



FCC_n41(HPUE)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	536900			
Frequency (MHz)				2546.01	2592.99	2640			
100	P1/2 BPSK	1	1	26.17	26.30	26.22			
100	P1/2 BPSK	1	137	25.89	26.02	25.95	27.0	0.0	
100	P1/2 BPSK	1	271	25.79	25.90	25.84			
100	P1/2 BPSK	135	0	25.51	25.62	25.55	26.5	0.5	
100	P1/2 BPSK	135	69	25.88	26.01	25.95	27.0	0.0	
100	P1/2 BPSK	135	138	25.18	25.33	25.26	26.5	0.5	
100	P1/2 BPSK	270	0	25.37	25.52	25.44			
100	QPSK	1	1	25.90	26.02	25.93			
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0	
100	QPSK	1	271	25.82	25.94	25.86			
100	QPSK	135	0	25.07	25.10	25.01	26.0	1.0	
100	QPSK	135	69	25.96	25.98	25.92	27.0	0.0	
100	QPSK	135	138	25.03	25.05	25.08	26.0	1.0	
100	QPSK	270	0	24.95	25.08	25.00	26.0	1.0	
100	16QAM	1	1	25.14	25.25	25.15	26.0	1.0	
100	16QAM	1	1	25.62	25.72	25.62	24.5	2.5	
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.84	26.13	26.13	27.0	0.0	
Channel				507204	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0	
Channel				508200	518598	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	26.08	26.17	26.10	27.0	0.0	
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2522.02	2592.99	2659.99			
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	26.10	26.20	26.18	27.0	0.0	
Channel				505200	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	26.02	26.25	26.09	27.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0	
Channel				501702	518598	535990	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.01	2592.99	2677.5			
25	QPSK	1	1	26.05	26.25	26.25	27.0	0.0	
Channel				501204	518598	536996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	26.08	26.17	26.16	27.0	0.0	
Channel				500700	518598	537996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2601.01	2602.99	2608			
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0	

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	536900			
Frequency (MHz)				2546.01	2592.99	2640			
100	P1/2 BPSK	1	1	22.91	22.99	22.88			
100	P1/2 BPSK	1	137	22.88	22.91	22.86	23.5	0.0	
100	P1/2 BPSK	1	271	22.90	22.96	22.85			
100	P1/2 BPSK	135	0	22.93	22.93	22.79	23.5	0.0	
100	P1/2 BPSK	135	69	22.82	22.85	22.88	23.5	0.0	
100	P1/2 BPSK	135	138	22.83	22.92	22.87	23.5	0.0	
100	P1/2 BPSK	270	0	22.84	22.85	22.86			
100	QPSK	1	1	22.91	23.00	22.92			
100	QPSK	1	137	22.83	22.99	22.90	23.5	0.0	
100	QPSK	1	271	22.94	22.95	22.88			
100	QPSK	135	0	22.93	22.85	22.80	23.5	0.0	
100	QPSK	135	69	22.94	22.95	22.92	23.5	0.0	
100	QPSK	135	138	22.81	22.90	22.88	23.5	0.0	
100	QPSK	270	0	22.86	22.92	22.88	23.5	0.0	
100	16QAM	1	1	22.92	22.90	22.82	23.5	0.0	
100	16QAM	1	1	22.90	22.95	22.80	23.5	0.0	
100	256QAM	1	1	21.88	22.00	21.90	23.0	0.5	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.85	22.87	22.81	23.5	0.0	
Channel				507204	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.93	22.99	22.89	23.5	0.0	
Channel				508200	518598	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.86	22.87	22.79	23.5	0.0	
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2522.02	2592.99	2659.99			
60	QPSK	1	1	22.82	22.93	22.89	23.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.82	22.84	22.79	23.5	0.0	
Channel				505200	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.80	22.94	22.85	23.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.82	22.92	22.91	23.5	0.0	
Channel				501702	518598	535990	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.01	2592.99	2677.5			
25	QPSK	1	1	22.92	22.97	22.93	23.5	0.0	
Channel				501204	518598	536996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.93	22.95	22.87	23.5	0.0	
Channel				500700	518598	537996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.89	22.97	22.92	23.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2601.01	2602.99	2608			
10	QPSK	1	1	22.94	22.92	22.82	23.5	0.0	

FCC_n41(HPUE)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	536900			
Frequency (MHz)				2546.01	2592.99	2640			
100	P1/2 BPSK	1	1	25.66	25.61	25.57			
100	P1/2 BPSK	1	137	25.70	25.64	25.62	26.5	0.0	
100	P1/2 BPSK	1	271	25.59	25.62	25.59			
100	P1/2 BPSK	135	0	25.63	25.62	25.68	26.5	0.0	
100	P1/2 BPSK	135	69	25.63	25.63	25.61	26.5	0.0	
100	P1/2 BPSK	135	138	25.60	25.72	25.67	26.5	0.0	
100	P1/2 BPSK	270	0	25.68	25.62	25.64			
100	QPSK	1	1	25.72	25.75	25.70			
100	QPSK	1	137	25.67	25.60	25.64	26.5	0.0	
100	QPSK	1	271	25.65	25.62	25.58			
100	QPSK	135	0	25.52	25.57	25.46	26.5	0.0	
100	QPSK	135	69	25.55	25.74	25.68	26.5	0.0	
100	QPSK	135	138	25.48	25.48	25.47	26.5	0.0	
100	QPSK	270	0	25.46	25.52	25.43			
100	16QAM	1	1	25.53	25.62	25.52	26.5	0.0	
100	64QAM	1	1	24.13	24.21	24.12	25.0	1.5	
100	256QAM	1	1	22.20	22.26	22.16	23.0	3.5	
Channel				500202	518598	536900			
Frequency (MHz)				2546	2592.99	2644.38			
90	QPSK	1	1	25.87	25.65	25.56	26.5	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2587.01	2592.99	2604			
80	QPSK	1	1	25.83	25.71	25.55	26.5	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2581.01	2592.99	2605			
70	QPSK	1	1	25.88	25.72	25.61	26.5	0.0	
Channel				505200	518598	519998			
Frequency (MHz)				2579.01	2592.99	2609.98			
60	QPSK	1	1	25.87	25.62	25.61	26.5	0.0	
Channel				504204	518598	529998			
Frequency (MHz)				2582.01	2592.99	2604.98			
50	QPSK	1	1	25.85	25.68	25.56	26.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2581.01	2592.99	2610			
40	QPSK	1	1	25.48	25.72	25.54	26.5	0.0	
Channel				502200	518598	529998			
Frequency (MHz)				2581	2592.99	2604.98			
30	QPSK	1	1	25.68	25.63	25.63	26.5	0.0	
Channel				501200	518598	535000			
Frequency (MHz)				2568.51	2592.99	2607.5			
25	QPSK	1	1	25.54	25.63	25.56	26.5	0.0	
Channel				507204	518598	535998			
Frequency (MHz)				2582.02	2592.99	2609.98			
20	QPSK	1	1	25.57	25.68	25.56	26.5	0.0	
Channel				500700	518598	546498			
Frequency (MHz)				2563.5	2592.99	2602.48			
15	QPSK	1	1	25.59	25.60	25.57	26.5	0.0	
Channel				500202	518598	530200			
Frequency (MHz)				2501.01	2592.99	2595			
10	QPSK	1	1	25.70	25.65	25.55	26.5	0.0	



FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				505002	518988	528000	2546.01	2592.99	2648
100	P12 BPSK	1	1	19.26	19.41	19.27			
100	P12 BPSK	1	137	19.30	19.38	19.37	20.0		0.0
100	P12 BPSK	1	271	19.32	19.41	19.39			
100	P12 BPSK	135	0	19.23	19.37	19.34	20.0	0.0	
100	P12 BPSK	135	69	19.27	19.32	19.39	20.0	0.0	
100	P12 BPSK	135	138	19.35	19.43	19.33	20.0	0.0	
100	P12 BPSK	270	0	19.28	19.41	19.28			
100	QPSK	1	1	19.30	19.45	19.40			
100	QPSK	1	137	19.25	19.31	19.35	20.0	0.0	
100	QPSK	1	271	19.33	19.44	19.33			
100	QPSK	135	0	19.34	19.41	19.32	20.0	0.0	
100	QPSK	135	69	19.30	19.42	19.35	20.0	0.0	
100	QPSK	135	138	19.28	19.35	19.25	20.0	0.0	
100	QPSK	270	0	19.30	19.33	19.31	20.0	0.0	
100	16QAM	1	1	19.28	19.38	19.39	20.0	0.0	
100	64QAM	1	1	19.32	19.33	19.34	20.0	0.0	
100	256QAM	1	1	19.28	19.44	19.39	20.0	0.0	
Channel									
Frequency (MHz)				2541	2592.99	2644.98		Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.34	19.32	19.39	20.0	0.0	
Channel									
Frequency (MHz)				507204	518988	526998		Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.30	19.37	19.38	20.0	0.0	
Channel									
Frequency (MHz)				506200	518988	531000		Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.37	19.43	19.39	20.0	0.0	
Channel									
Frequency (MHz)				2331.01	2592.99	2655		Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.37	19.43	19.39	20.0	0.0	
Channel									
Frequency (MHz)				505200	518988	531996		Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.32	19.38	19.30	20.0	0.0	
Channel									
Frequency (MHz)				504204	518988	532998		Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.24	19.39	19.35	20.0	0.0	
Channel									
Frequency (MHz)				502200	518988	535996		Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.24	19.39	19.35	20.0	0.0	
Channel									
Frequency (MHz)				501204	518988	536998		Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.24	19.43	19.26	20.0	0.0	
Channel									
Frequency (MHz)				500200	518988	538000		Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	19.25	19.39	19.29	20.0	0.0	
Channel									
Frequency (MHz)				501204	518988	536998		Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.25	19.39	19.29	20.0	0.0	
Channel									
Frequency (MHz)				500200	518988	538000		Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.25	19.39	19.29	20.0	0.0	
Channel									
Frequency (MHz)				501204	518988	536998		Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.28	19.37	19.33	20.0	0.0	
Channel									
Frequency (MHz)				500200	518988	538000		Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.25	19.35	19.38	20.0	0.0	

FCC_n41(HPUE)_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				505202	518988	528000	2546.01	2592.99	2648
100	P12 BPSK	1	1	22.16	22.20	22.19			
100	P12 BPSK	1	137	22.08	22.20	22.06	23.0		0.0
100	P12 BPSK	1	271	22.12	22.20	22.14			
100	P12 BPSK	135	0	22.05	22.14	22.19	23.0		0.0
100	P12 BPSK	135	69	22.15	22.24	22.10	23.0		0.0
100	P12 BPSK	135	138	22.17	22.11	22.16	23.0		0.0
100	P12 BPSK	270	0	22.05	22.16	22.12			
100	QPSK	1	1	22.16	22.25	22.20			
100	QPSK	1	137	22.04	22.22	22.08	23.0		0.0
100	QPSK	1	271	22.10	22.10	22.18			
100	QPSK	135	0	22.12	22.12	22.12	23.0		0.0
100	QPSK	135	69	22.16	22.21	22.17	23.0		0.0
100	QPSK	135	138	22.13	22.16	22.06	23.0		0.0
100	QPSK	270	0	22.15	22.18	22.12	23.0		0.0
100	16QAM	1	1	22.11	22.11	22.17	23.0		0.0
100	64QAM	1	1	22.16	22.14	22.10	23.0		0.0
100	256QAM	1	1	22.11	22.13	21.95	23.0		0.0
Channel									
Frequency (MHz)				2541	2592.99	2644.98	23.0		0.0
90	QPSK	1	1	22.05	22.15	22.10	23.0		0.0
Channel									
Frequency (MHz)				507204	518988	529998	2546.02	2592.99	2649.99
80	QPSK	1	1	22.17	22.11	22.15	23.0		0.0
Channel									
Frequency (MHz)				2331.01	2592.99	2655			
70	QPSK	1	1	22.04	22.22	22.17	23.0		0.0
Channel									
Frequency (MHz)				505200	518988	531996	2521.02	2592.99	2644.98
60	QPSK	1	1	22.16	22.16	22.11	23.0		0.0
Channel									
Frequency (MHz)				504204	518988	532998	2516.01	2592.99	2670
40	QPSK	1	1	22.04	22.11	22.15	23.0		0.0
Channel									
Frequency (MHz)				502200	518988	535996	2511	2592.99	2674.98
30	QPSK	1	1	22.05	22.20	22.08	23.0		0.0
Channel									
Frequency (MHz)				501702	518988	535990	2503.5	2592.99	2682.48
25	QPSK	1	1	22.07	22.24	22.14	23.0		0.0
Channel									
Frequency (MHz)				502002	518988	537000	2501.01	2592.99	2685
20	QPSK	1	1	22.09	22.16	22.13	23.0		0.0
Channel									
Frequency (MHz)				500700	518988	536496	2500.5	2592.99	2684.98
15	QPSK	1	1	22.05	22.12	22.14	23.0		0.0
Channel									
Frequency (MHz)				501002	518988	537000	2500.5	2592.99	2685
10	QPSK	1	1	22.13	22.18	22.10	23.0		0.0

FCC_n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				505202	518988	526996	2546.01	2592.99	2648
100	P12 BPSK	1	1	19.73	19.82	19.88			
100	P12 BPSK	1	137	19.77	19.81	19.77	21.0		0.0
100	P12 BPSK	1	271	19.80	19.82	19.83			
100	P12 BPSK	135	0	19.78	19.82	19.77	21.0	0.0	
100	P12 BPSK	135	69	19.75	19.79	19.82	21.0	0.0	
100	P12 BPSK	135	138	19.84	19.79	19.81	21.0	0.0	
100	P12 BPSK	270	0	19.80	19.88	19.89			
100	QPSK	1	1	19.75	19.83	19.80			
100	QPSK	1	137	19.74	19.89	19.79	21.0	0.0	
100	QPSK	1	271	19.84	19.87	19.81			
100	QPSK	135	0	19.80	19.85	19.72	21.0	0.0	
100	QPSK	135	69	19.76	19.81	19.75	21.0	0.0	
100	QPSK	135	138	19.82	19.89	19.75	21.0	0.0	
100	QPSK	270	0	19.71	19.87	19.85			
100	16QAM	1	1	19.84	19.81	19.86	21.0	0.0	
100	64QAM	1	1	19.81	19.81	19.78	21.0	0.0	
100	256QAM	1	1	19.80	19.89	19.85	21.0	0.0	
Channel									
Frequency (MHz)				2561	2592.99	2644.98			
90	QPSK	1	1	19.84	19.85	19.81	21.0	0.0	
Channel									
Frequency (MHz)				507204	518988	526996	2546.01	2592.99	2649
80	QPSK	1	1	19.80	19.81	19.83	21.0	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.73	19.80	19.75	21.0	0.0	
Channel									
Frequency (MHz)				505200	518988	531996	2521.02	2592.99	2644.98
60	QPSK	1	1	19.73	19.82	19.88	21.0	0.0	
Channel									
Frequency (MHz)				504204	518988	532998	2516.01	2592.99	2670
40	QPSK	1	1	19.72	19.89	19.77	21.0	0.0	
Channel									
Frequency (MHz)				503202	518988	534000	2516.01	2592.99	2670
40	QPSK	1	1	19.77	19.81	19.83	21.0	0.0	
Channel									
Frequency (MHz)				502200	518988	535996	2511	2592.99	2674.98
30	QPSK	1	1	19.77	19.86	19.78	21.0	0.0	
Channel									
Frequency (MHz)				501702	518988	535990	2503.5	2592.99	2682.48
25	QPSK	1	1	19.78	19.79	19.79	21.0	0.0	
Channel									
Frequency (MHz)				501204	518988	536998	2500.0	2592.99	2689
20	QPSK	1	1	19.78	19.79	19.79	21.0	0.0	
Channel									
Frequency (MHz)				500700	518988	536406	2496.5	2592.99	2686
15	QPSK	1	1	2503.5	2592.99	2682.48			
Channel									
Frequency (MHz)				19.75	19.82	19.89	21.0	0.0	
Channel									
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	19.74	19.81	19.82	21.0	0.0	



FCC_n41(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505202	518598	530202	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	22.99	23.11	22.99	24.0	0.0	
100	PI2 BPSK	1	137	23.07	23.13	22.88			
100	PI2 BPSK	1	271	22.98	23.12	23.04	24.0	0.0	
100	PI2 BPSK	135	0	22.99	23.09	23.11			
100	PI2 BPSK	135	69	23.07	23.02	22.97	24.0	0.0	
100	PI2 BPSK	135	138	23.02	23.11	23.08			
100	PI2 BPSK	270	0	23.08	23.06	23.05	24.0	0.0	
100	QPSK	1	1	23.10	23.16	23.12			
100	QPSK	1	137	23.07	23.14	22.99	24.0	0.0	
100	QPSK	1	271	22.95	23.12	23.06			
100	QPSK	135	0	23.07	23.03	23.06	24.0	0.0	
100	QPSK	135	69	23.08	23.14	23.11			
100	QPSK	135	138	22.99	23.13	23.08	24.0	0.0	
100	QPSK	270	0	23.09	23.12	23.05			
100	16QAM	1	1	22.97	23.12	23.07	24.0	0.0	
100	16QAM	1	1	22.96	23.05	23.08			
100	256QAM	1	1	21.24	21.55	21.32	22.5	1.5	
Channel				506200	518598	528598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2641.98	24.0	0.0	
90	QPSK	1	1	23.05	23.05	23.04			
Channel				507204	518598	529598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2648.99	24.0	0.0	
80	QPSK	1	1	23.08	23.12	23.07			
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0	
70	QPSK	1	1	23.07	23.09	22.97			
Channel				509200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2488	2642.99	2688.98	24.0	0.0	
60	QPSK	1	1	22.95	23.09	23.09			
Channel				504204	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.98	24.0	0.0	
50	QPSK	1	1	22.59	23.07	23.04			
Channel				505202	518598	530200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0	
40	QPSK	1	1	23.04	23.11	23.06			
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0	
30	QPSK	1	1	23.00	23.08	23.05			
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.51	2592.99	2677.5	24.0	0.0	
25	QPSK	1	1	23.10	23.08	23.00			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2678.98	24.0	0.0	
20	QPSK	1	1	23.04	23.11	23.01			
Channel				500700	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.0	0.0	
15	QPSK	1	1	23.04	23.06	22.98			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.91	2642.99	2685	24.0	0.0	
10	QPSK	1	1	23.08	23.10	23.11			



n48_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				63600	64166	64533			
40	PQ2 BPSK	1	1	19.76	19.80	19.87			
40	PQ2 BPSK	1	53	19.74	19.82	19.88	20.5	0.0	
40	PQ2 BPSK	1	104	19.71	19.83	19.88			
40	PQ2 BPSK	50	0	19.76	19.75	19.79	20.5	0.0	
40	PQ2 BPSK	50	26	19.70	19.71	19.65	20.5	0.0	
40	PQ2 BPSK	50	50	19.83	19.81	19.79			
40	PQ2 BPSK	100	0	19.72	19.83	19.77	20.5	0.0	
40	QPSK	1	1	19.76	19.85	19.80			
40	QPSK	1	53	19.72	19.77	19.76	20.5	0.0	
40	QPSK	1	104	19.65	19.77	19.77			
40	QPSK	50	0	19.74	19.75	19.72	20.5	0.0	
40	QPSK	50	26	19.77	19.83	19.75	20.5	0.0	
40	QPSK	50	50	19.75	19.82	19.69	20.5	0.0	
40	QPSK	100	0	19.65	19.80	19.79			
40	16QAM	1	1	19.67	19.77	19.76	20.5	0.0	
40	64QAM	1	1	19.73	19.77	19.75	20.5	0.0	
40	256QAM	1	1	19.84	19.90	19.86	19.5	1.0	
Channel				63600	64166	64533			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	19.76	19.84	19.86	20.5	0.0	
Channel				63624	64166	64533			
Frequency (MHz)				3660.01	3624.99	3690			
20	QPSK	1	1	19.74	19.75	19.79	20.5	0.0	
Channel				63694	64166	64533			
Frequency (MHz)				3657.52	3624.99	3692.49			
15	QPSK	1	1	19.77	19.78	19.79	20.5	0.0	
Channel				63700	64166	64533			
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	19.66	19.78	19.77	20.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3660	3624.99	3694.98			
40	PQ2 BPSK	1	1	19.23	19.25	19.23			
40	PQ2 BPSK	1	53	19.27	19.29	19.14	20.0	0.0	
40	PQ2 BPSK	1	104	19.20	19.23	19.27			
40	PQ2 BPSK	50	0	19.19	19.20	19.25	20.0	0.0	
40	PQ2 BPSK	50	26	19.24	19.23	19.21	20.0	0.0	
40	PQ2 BPSK	50	50	19.20	19.22	19.14	20.0	0.0	
40	PQ2 BPSK	100	0	19.27	19.20	19.21			
40	QPSK	1	1	19.23	19.22	19.25			
40	QPSK	1	53	19.13	19.17	19.19	20.0	0.0	
40	QPSK	1	104	19.08	19.24	19.22			
40	QPSK	50	0	19.15	19.18	19.15	20.0	0.0	
40	QPSK	50	26	19.25	19.27	19.25	20.0	0.0	
40	QPSK	50	50	19.09	19.18	19.17	20.0	0.0	
40	QPSK	100	0	19.10	19.22	19.14			
40	16QAM	1	1	19.15	19.22	19.25	20.0	0.0	
40	64QAM	1	1	19.21	19.25	19.19	20.0	0.0	
40	256QAM	1	1	19.06	19.00	18.98	19.5	0.5	
Channel				63700	64166	64533			
Frequency (MHz)				3655.02	3624.99	3694.99			
30	QPSK	1	1	19.19	19.17	19.19	20.0	0.0	
Channel				63724	64166	64533			
Frequency (MHz)				3650.01	3624.99	3690			
20	QPSK	1	1	19.13	19.29	19.25	20.0	0.0	
Channel				63740	64166	64533			
Frequency (MHz)				3657.52	3624.99	3692.49			
15	QPSK	1	1	19.08	19.24	19.19	20.0	0.0	
Channel				63700	64166	64533			
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	19.16	19.21	19.18	20.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3660	3624.99	3694.98			
40	PQ2 BPSK	1	1	17.05	17.23	17.21			
40	PQ2 BPSK	1	53	17.06	17.23	17.16	18.0	0.0	
40	PQ2 BPSK	1	104	17.02	17.19	17.18			
40	PQ2 BPSK	50	0	17.12	17.17	17.07	18.0	0.0	
40	PQ2 BPSK	50	26	17.09	17.15	17.20	18.0	0.0	
40	PQ2 BPSK	50	50	17.06	17.17	17.12	18.0	0.0	
40	PQ2 BPSK	100	0	17.17	17.26	17.15			
40	QPSK	1	1	17.05	17.26	17.22			
40	QPSK	1	53	17.10	17.25	17.11	18.0	0.0	
40	QPSK	1	104	17.09	17.21	17.18			
40	QPSK	50	0	17.10	17.20	17.12	18.0	0.0	
40	QPSK	50	26	17.11	17.25	17.25	18.0	0.0	
40	QPSK	50	50	17.11	17.24	17.15	18.0	0.0	
40	QPSK	100	0	17.08	17.17	17.09			
40	16QAM	1	1	17.09	17.16	17.09	18.0	0.0	
40	64QAM	1	1	17.06	17.27	17.09	18.0	0.0	
40	256QAM	1	1	17.15	17.13	17.17	18.0	0.0	
Channel				3660	3624.99	3694.98			
Frequency (MHz)				3655.02	3624.99	3694.99			
30	QPSK	1	1	17.17	17.25	17.17	18.0	0.0	
Channel				36724	3624.99	3694.98			
Frequency (MHz)				3650.01	3624.99	3690			
20	QPSK	1	1	17.05	17.14	17.21	18.0	0.0	
Channel				36740	3624.99	3694.98			
Frequency (MHz)				3657.52	3624.99	3692.49			
15	QPSK	1	1	17.17	17.21	17.15	18.0	0.0	
Channel				36700	3624.99	3694.98			
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	17.18	17.22	17.15	18.0	0.0	

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RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Mid Ch. Freq	Power High Ch. Freq	Time Slot (ms)	MPR (dB)	
Channel									
	Frequency (MHz)			3670	3644.96	3679.96			
40	P2 PSK	1	1	18.24	18.04	18.28	19.5	0.0	
40	P2 PSK	1	54	18.24	18.04	18.28	19.5	0.0	
40	P2 BPSK	1	104	18.83	18.67	18.92	19.5	0.0	
40	P2 BPSK	50	0	18.73	18.68	18.78	19.5	0.0	
40	P2 BPSK	50	56	18.73	18.68	18.78	19.5	0.0	
40	P2 BPSK	100	0	18.73	18.67	18.84	19.5	0.0	
40	QPSK	1	154	19.33	19.13	19.53	19.5	0.0	
40	QPSK	1	63	18.77	18.64	18.83	19.5	0.0	
40	QPSK	1	104	18.77	18.64	18.83	19.5	0.0	
40	QPSK	50	0	19.22	19.17	19.28	19.5	0.0	
40	QPSK	50	26	19.70	19.68	19.73	19.5	0.0	
40	QPSK	50	56	19.77	19.63	19.87	19.5	0.0	
40	QPSK	50	106	19.71	19.63	19.82	19.5	0.0	
40	16QAM	1	1	19.73	19.62	19.80	19.5	0.0	
40	ECDFM	1	1	18.78	18.78	18.78	19.5	0.0	
40	25QAM	1	1	18.78	18.78	18.80	19.5	0.0	
Channel									
	Frequency (MHz)			6376.68	6416.96	6456.96			
30	QPSK	1	1	18.80	18.60	18.78	19.5	0.0	
30	QPSK	1	54	18.80	18.60	18.78	19.5	0.0	
30	QPSK	1	104	19.34	19.14	19.54	19.5	0.0	
30	QPSK	50	0	19.70	19.60	19.78	19.5	0.0	
30	QPSK	50	56	19.73	19.62	19.83	19.5	0.0	
30	QPSK	50	106	19.77	19.68	19.88	19.5	0.0	
30	QPSK	50	156	19.71	19.63	19.82	19.5	0.0	
30	16QAM	1	1	19.73	19.62	19.80	19.5	0.0	
30	ECDFM	1	1	18.78	18.78	18.78	19.5	0.0	
30	25QAM	1	1	18.78	18.78	18.80	19.5	0.0	
Channel									
	Frequency (MHz)			6376.68	6416.96	6456.96			
15	QPSK	1	1	18.80	18.60	18.78	19.5	0.0	
15	QPSK	1	54	18.80	18.60	18.78	19.5	0.0	
15	QPSK	1	104	19.34	19.14	19.54	19.5	0.0	
15	QPSK	50	0	19.70	19.60	19.78	19.5	0.0	
15	QPSK	50	56	19.73	19.62	19.83	19.5	0.0	
15	QPSK	50	106	19.77	19.68	19.88	19.5	0.0	
15	QPSK	50	156	19.71	19.63	19.82	19.5	0.0	
15	16QAM	1	1	19.73	19.62	19.80	19.5	0.0	
15	ECDFM	1	1	18.78	18.78	18.78	19.5	0.0	
15	25QAM	1	1	18.78	18.78	18.80	19.5	0.0	
Channel									
	Frequency (MHz)			6376.68	6416.96	6456.96			
10	QPSK	1	1	18.70	18.51	18.71	19.5	0.0	

Part27Q_n77_Ant 3									
RF [MHz]	Modulation	RF Size	RF Offset	Power [mW]	Power Mode	Power High Ch. [dBm]	Power Low Ch. [dBm]	Turn-up time [ms]	MPR [%]
Channel									
Frequency [MHz]				13.76					
100	P2-8PSK	1	137	18.99					
100	P2-8PSK	1	137	18.99				19.5	0.0
100	P2-8PSK	1	271	18.85					
100	P2-8PSK	156	0	18.85				19.5	0.0
100	P2-8PSK	156	66	18.84				19.5	0.0
100	P2-8PSK	156	158	18.84				19.5	0.0
100	P2-8PSK	270	0	19.67				19.5	0.0
100	QPSK	1	137	18.85					
100	QPSK	1	137	18.80				19.5	0.0
100	QPSK	1	271	18.83					
100	QPSK	156	0	18.79				19.5	0.0
100	QPSK	156	66	18.85				19.5	0.0
100	QPSK	156	158	18.80				19.5	0.0
100	QPSK	270	0	19.52				19.5	0.0
100	16QAM	1	137	19.75				19.5	0.0
100	16QAM	1	137	19.75				19.5	0.0
100	16QAM	1	137	19.88				19.5	0.0
Channel									
Frequency [MHz]				63300	63332	63368			MPR
90	QPSK	1	136	18.79		18.79		19.5	0.0
Channel									
Frequency [MHz]				63408	63332	63400			MPR
80	QPSK	1	136	18.79		18.79		19.5	0.0
Channel									
Frequency [MHz]				63456	63332	63456			MPR
80	QPSK	1	136	18.81		18.81		19.5	0.0
Channel									
Frequency [MHz]				63534	63332	63432			MPR
70	QPSK	1	136	18.84		18.84		19.5	0.0
Channel									
Frequency [MHz]				63588	63332	63488			MPR
70	QPSK	1	136	18.81		18.81		19.5	0.0
Channel									
Frequency [MHz]				63600	63332	63608			MPR
60	QPSK	1	136	18.79		18.79		19.5	0.0
Channel									
Frequency [MHz]				63612	63332	63612			MPR
60	QPSK	1	136	18.77		18.77		19.5	0.0
Channel									
Frequency [MHz]				63684	63332	63680			MPR
50	QPSK	1	136	18.82		18.82		19.5	0.0
Channel									
Frequency [MHz]				63734	63332	63732			MPR
40	QPSK	1	136	18.79		18.79		19.5	0.0
Channel									
Frequency [MHz]				63750	63332	63668			MPR
30	QPSK	1	136	18.82		18.82		19.5	0.0
Channel									
Frequency [MHz]				63804	63332	63682			MPR
25	QPSK	1	136	18.83		18.83		19.5	0.0
Channel									
Frequency [MHz]				63816	63332	63690			MPR
25	QPSK	1	136	18.79		18.79		19.5	0.0
Channel									
Frequency [MHz]				63868	63332	63660			MPR
20	QPSK	1	136	18.84		18.84		19.5	0.0
Channel									
Frequency [MHz]				63900	63332	63698			MPR
15	QPSK	1	136	18.84		18.84		19.5	0.0
Channel									
Frequency [MHz]				63950	63332	63698			MPR
10	QPSK	1	136	18.84		18.84		19.5	0.0
Channel									
Frequency [MHz]				63970	63332	63698			MPR

Par27Q_n77(HPUe)_Ant_3							
RF (MHz)	Modulation	RB Size	RB Offset	Power Mode (dBm)	Power Mode (dBm)	Power Mode (dBm)	APR (%)
Channel				Ch. Freq.	Ch. Freq.	Ch. Freq.	
Frequency (MHz)				63000	63000		
100	P13 BPASK	1	1	21.61	21.61		
100	P13 BPASK	133	133	21.62	21.62	22.5	0.0
100	P13 BPASK	1	271	21.64	21.64		
100	P13 BPASK	136	0	21.68	21.68	22.5	0.0
100	P13 BPASK	135	69	21.69	21.69	22.5	0.0
100	P13 BPASK	136	138	21.69	21.69	22.5	0.0
100	P13 BPASK	270	0	21.69	21.69		
500	QPSK	1	1	21.68	21.68		
500	QPSK	1	137	21.61	21.61	22.5	0.0
500	QPSK	1	271	21.64	21.64		
500	QPSK	135	0	21.68	21.68	22.5	0.0
500	QPSK	136	69	21.68	21.68	22.5	0.0
500	QPSK	136	138	21.60	21.60	22.5	0.0
500	QPSK	270	0	21.67	21.67	22.5	0.0
1000	16QAM	1	1	21.61	21.61	22.5	0.0
1000	16QAM	1	1	21.67	21.67	22.5	0.0
1000	16QAM	1	1	21.69	21.69	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
90	QPSK	1	21.62	21.65	21.64	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
80	QPSK	1	21.61	21.63	21.56	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
70	QPSK	1	21.57	21.59	21.54	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
60	QPSK	1	21.58	21.56	21.65	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
50	QPSK	1	21.57	21.56	21.50	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
40	QPSK	1	21.58	21.54	21.59	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
30	QPSK	1	21.60	21.59	21.58	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
20	QPSK	1	21.51	21.56	21.53	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
15	QPSK	1	21.55	21.57	21.60	22.5	0.0
Channel				63000	63000		
Frequency (MHz)				63000	63000		
10	QPSK	1	21.58	21.61	21.53	22.5	0.0

Part270_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				660000	666000	662000			
Frequency (MHz)									
100	PI2 BPSK	1	1	18.89	18.87	18.82			
100	PI2 BPSK	1	137	18.82	18.82	18.81	19.5	0.0	
100	PI2 BPSK	1	271	18.77	18.78	18.78			
100	PI2 BPSK	135	5	18.77	18.80	18.80	19.5	0.0	
100	PI2 BPSK	135	69	18.77	18.81	18.80	19.5	0.0	
100	PI2 BPSK	135	138	18.80	18.81	18.78			
100	PI2 BPSK	270	5	18.81	18.87	18.78	19.5	0.0	
100	QPSK	1	1	18.82	18.82	18.82			
100	QPSK	1	271	18.82	18.81	18.80	19.5	0.0	
100	QPSK	135	5	18.88	18.83	18.82	19.5	0.0	
100	QPSK	135	69	18.87	18.87	18.89	19.5	0.0	
100	QPSK	135	138	18.79	18.79	18.81	19.5	0.0	
100	QPSK	270	5	18.88	18.88	18.84			
100	16QAM	1	1	18.91	18.90	18.83	19.5	0.0	
100	64QAM	1	1	18.89	18.81	18.85	19.5	0.0	
100	256QAM	1	1	18.83	18.89	18.91	19.5	0.0	
Channel				3745.00	3800.00	3820.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	18.83	18.87	18.89	19.5	0.0	
Channel				3735.01	3800.00	3820.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	18.82	18.83	18.88	19.5	0.0	
Channel				3735.00	3800.00	3820.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	18.85	18.87	18.94	19.5	0.0	
Channel				3730.02	3800.00	3820.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	18.86	18.95	18.85	19.5	0.0	
Channel				3725.01	3800.00	3854.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	18.84	19.00	18.89	19.5	0.0	
Channel				3720.00	3800.00	3860.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	18.84	18.99	18.80	19.5	0.0	
Channel				3715.02	3800.00	3854.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	18.82	18.96	18.85	19.5	0.0	
Channel				3712.5	3800.00	3867.5	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	18.79	18.79	18.81	19.5	0.0	
Channel				3670.00	3800.00	3866.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	18.80	18.79	18.80	19.5	0.0	
Channel				3670.00	3800.00	3866.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	18.88	18.98	18.90	19.5	0.0	
Channel				3670.00	3800.00	3866.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	18.91	18.90	18.86	19.5	0.0	

Part270_n77(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				660000	666000	662000			
Frequency (MHz)									
100	PI2 BPSK	1	1	21.70	21.77	21.70			
100	PI2 BPSK	1	137	21.83	21.80	21.70	22.5	0.0	
100	PI2 BPSK	1	271	21.82	21.75	21.89			
100	PI2 BPSK	135	5	21.78	21.88	21.79	22.5	0.0	
100	PI2 BPSK	135	69	21.75	21.78	21.73	22.5	0.0	
100	PI2 BPSK	135	138	21.78	21.77	21.89	22.5	0.0	
100	PI2 BPSK	270	5	21.74	21.81	21.85			
100	QPSK	1	1	21.84	21.89	21.80			
100	QPSK	1	137	21.83	21.77	21.71	22.5	0.0	
100	QPSK	1	271	21.77	21.75	21.72			
100	QPSK	135	5	21.74	21.79	21.67	22.5	0.0	
100	QPSK	135	69	21.80	21.87	21.78	22.5	0.0	
100	QPSK	135	138	21.79	21.82	21.75	22.5	0.0	
100	QPSK	270	5	21.83	21.85	21.70			
100	16QAM	1	1	21.74	21.78	21.67	22.5	0.0	
100	64QAM	1	1	21.70	21.88	21.77	22.5	0.0	
100	256QAM	1	1	21.72	21.80	21.70	22.5	0.0	
Channel				3745.00	3800.00	3820.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	21.70	21.74	21.67	22.5	0.0	
Channel				3740.01	3800.00	3859.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	21.81	21.78	21.79	22.5	0.0	
Channel				3735.00	3800.00	3859.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	21.80	21.82	21.77	22.5	0.0	
Channel				3730.02	3800.00	3859.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	21.72	21.74	21.67	22.5	0.0	
Channel				3725.01	3800.00	3854.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	21.83	21.78	21.78	22.5	0.0	
Channel				3720.00	3800.00	3860.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	21.79	21.78	21.73	22.5	0.0	
Channel				3715.02	3800.00	3854.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	21.71	21.80	21.65	22.5	0.0	
Channel				3712.5	3800.00	3867.5	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	21.80	21.75	21.67	22.5	0.0	
Channel				3670.00	3800.00	3866.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	21.82	21.80	21.86	22.5	0.0	
Channel				3670.00	3800.00	3866.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.80	21.74	22.5	0.0	
Channel				3670.00	3800.00	3866.98	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.81	21.80	21.74	22.5	0.0	

Part27Q_n77_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel				63332			
Frequency (MHz)				3499.98			
100	PB2 BPSK	1	1	18.79			
100	PB2 BPSK	1	137	18.83			
100	PB2 BPSK	1	271	18.79		19.5	0.0
100	PB2 BPSK	135	0	18.85		19.5	0.0
100	PB2 BPSK	135	69	18.74		19.5	0.0
100	PB2 BPSK	135	138	18.79		19.5	0.0
100	PB2 BPSK	270	0	18.78		19.5	0.0
100	QPSK	1	1	18.88			
100	QPSK	1	137	18.76			
100	QPSK	1	271	18.82		19.5	0.0
100	QPSK	135	0	18.83		19.5	0.0
100	QPSK	135	69	18.85		19.5	0.0
100	QPSK	135	138	18.74		19.5	0.0
100	QPSK	270	0	18.85		19.5	0.0
100	8QAM	1	1	18.83		19.5	0.0
100	64QAM	1	1	18.80		19.5	0.0
100	256QAM	1	1	18.78		19.5	0.0
Channel				63300		63360	MPR
Frequency (MHz)				3495		3499.98	3504.98 (dB)
90	QPSK	1	1	18.73	18.73	18.76	19.5
Channel				63388		63400	MPR
Frequency (MHz)				3499.02		3499.98	3510 (dB)
80	QPSK	1	1	18.73	18.71	18.72	19.5
Channel				63394		63400	MPR
Frequency (MHz)				3495.01		3499.98	3514.98 (dB)
70	QPSK	1	1	18.87	18.78	18.71	19.5
Channel				63390		63400	MPR
Frequency (MHz)				3490		3499.98	3518.98 (dB)
60	QPSK	1	1	18.80	18.77	18.71	19.5
Channel				63394		63400	MPR
Frequency (MHz)				3475.02		3499.98	3520 (dB)
50	QPSK	1	1	18.75	18.76	18.73	19.5
Channel				63390		63400	MPR
Frequency (MHz)				3470.01		3499.98	3520.98 (dB)
40	QPSK	1	1	18.78	18.73	18.71	19.5
Channel				63390		63400	MPR
Frequency (MHz)				3465		3499.98	3534.98 (dB)
30	QPSK	1	1	18.81	18.76	18.79	19.5
Channel				63402		63400	MPR
Frequency (MHz)				3462.01		3499.98	3537.48 (dB)
25	QPSK	1	1	18.82	18.73	18.75	19.5
Channel				63396		63400	MPR
Frequency (MHz)				3460.02		3499.98	3540 (dB)
20	QPSK	1	1	18.83	18.71	18.72	19.5
Channel				63390		63400	MPR
Frequency (MHz)				3457.05		3499.98	3542.48 (dB)
15	QPSK	1	1	18.77	18.78	18.68	19.5
Channel				63394		63400	MPR
Frequency (MHz)				3455.01		3499.98	3544.98 (dB)
10	QPSK	1	1	18.72	18.83	18.68	19.5

Part27Q_n77(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel				63332			
Frequency (MHz)				3499.98			
100	PB2 BPSK	1	1	21.79			
100	PB2 BPSK	1	137	21.79		22.5	0.0
100	PB2 BPSK	1	271	21.75		22.5	0.0
100	PB2 BPSK	135	0	21.78		22.5	0.0
100	PB2 BPSK	135	69	21.82		22.5	0.0
100	PB2 BPSK	135	138	21.71		22.5	0.0
100	PB2 BPSK	270	0	21.73		22.5	0.0
100	QPSK	1	1	21.85			
100	QPSK	1	137	21.73		22.5	0.0
100	QPSK	1	271	21.79		22.5	0.0
100	QPSK	135	0	21.72		22.5	0.0
100	QPSK	135	69	21.81		22.5	0.0
100	QPSK	135	138	21.80		22.5	0.0
100	QPSK	270	0	21.71		22.5	0.0
100	8QAM	1	1	21.84		22.5	0.0
100	64QAM	1	1	21.80		22.5	0.0
100	256QAM	1	1	21.83		22.5	0.0
Channel				63300		63360	MPR
Frequency (MHz)				3495		3499.98	3504.98 (dB)
90	QPSK	1	1	21.78	21.68	21.76	22.5
Channel				63388		63400	MPR
Frequency (MHz)				3490.02		3499.98	3510 (dB)
80	QPSK	1	1	21.79	21.69	21.67	22.5
Channel				63394		63400	MPR
Frequency (MHz)				3485.01		3499.98	3514.98 (dB)
70	QPSK	1	1	21.74	21.73	21.79	22.5
Channel				63390		63400	MPR
Frequency (MHz)				3480		3499.98	3518.98 (dB)
60	QPSK	1	1	21.71	21.68	21.76	22.5
Channel				63394		63400	MPR
Frequency (MHz)				3475.02		3499.98	3520 (dB)
50	QPSK	1	1	21.82	21.67	21.73	22.5
Channel				63390		63400	MPR
Frequency (MHz)				3470.01		3499.98	3520.98 (dB)
40	QPSK	1	1	21.82	21.75	21.72	22.5
Channel				63390		63400	MPR
Frequency (MHz)				3465		3499.98	3534.98 (dB)
30	QPSK	1	1	21.74	21.78	21.68	22.5
Channel				63402		63400	MPR
Frequency (MHz)				3462.01		3499.98	3537.48 (dB)
25	QPSK	1	1	21.79	21.68	21.81	22.5
Channel				63396		63400	MPR
Frequency (MHz)				3460.02		3499.98	3540 (dB)
20	QPSK	1	1	21.77	21.71	21.70	22.5
Channel				63390		63400	MPR
Frequency (MHz)				3457.05		3499.98	3542.48 (dB)
15	QPSK	1	1	21.75	21.69	21.73	22.5
Channel				63394		63400	MPR
Frequency (MHz)				3455.01		3499.98	3544.98 (dB)
10	QPSK	1	1	21.76	21.76	21.74	20.5

Part27Q_n77_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel				63332			
Frequency (MHz)				3499.98			
100	PB2 BPSK	1	1	18.82	18.87	18.83	
100	PB2 BPSK	1	137	18.88	18.80	18.78	19.5
100	PB2 BPSK	1	271	18.77	18.84	18.83	
100	PB2 BPSK	135	0	18.82	18.87	18.79	19.5
100	PB2 BPSK	135	69	18.79	18.86	18.83	19.5
100	PB2 BPSK	135	138	18.76	18.92	18.81	19.5
100	PB2 BPSK	270	0	18.78	18.83	18.82	
100	QPSK	1	1	18.90	18.84	18.85	
100	QPSK	1	137	18.82	18.86	18.78	19.5
100	QPSK	1	271	18.75	18.80	18.82	19.5
100	QPSK	135	0	18.87	18.87	18.75	19.5
100	QPSK	135	69	18.88	18.80	18.85	19.5
100	QPSK	135	138	18.84	18.85	18.85	19.5
100	QPSK	270	0	18.80	18.85	18.73	
100	16QAM	1	1	18.87	18.91	18.79	19.5
100	64QAM	1	1	18.82	18.80	18.81	19.5
100	256QAM	1	1	18.79	18.88	18.73	19.5
Channel				63368		63332	Tune-up test
Frequency (MHz)				3495		3499.98	MPR
90	QPSK	1	1	18.78	18.81	18.73	19.5
Channel				63394		63368	Tune-up test
Frequency (MHz)				3490.01		3499.98	MPR
80	QPSK	1	1	18.87	18.89	18.79	19.5
Channel				63394		63394	MPR
Frequency (MHz)				3735		3840	MPR
70	QPSK	1	1	18.76	18.82	18.82	19.5
Channel				63390		63332	Tune-up test
Frequency (MHz)				3730.02		3840	MPR
60	QPSK	1	1	18.80	18.79	18.87	19.5
Channel				63394		63368	Tune-up test
Frequency (MHz)				3725.01		3840	MPR
50	QPSK	1	1	18.83	18.82	18.84	19.5
Channel				63390		63400	Tune-up test
Frequency (MHz)				3720		3840	MPR
40	QPSK	1	1	18.75	18.87	18.82	19.5
Channel				63390		63400	Tune-up test
Frequency (MHz)				3715.02		3840	MPR
30	QPSK	1	1	18.80	18.82	18.84	19.5
Channel				63402		63400	Tune-up test
Frequency (MHz)				3710.05		3840	MPR
25	QPSK	1	1	18.84	18.86	18.85	19.5
Channel				63396		63400	Tune-up test
Frequency (MHz)				3705.01		3840	MPR
20	QPSK	1	1	18.81	18.82	18.82	19.5
Channel				63418		63402	Tune-up test
Frequency (MHz)				3700.01		3840	MPR
15	QPSK	1	1	18.83	18.86	18.82	19.5
Channel				63400		63500	Tune-up test
Frequency (MHz)				3695		3840	MPR
10	QPSK	1	1	18.81	18.89	18.75	19.5

Part27O_n77(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				660000	660000	660000			
Frequency (MHz)				2160	2160	2160			
100	RUZ BPSK	1	1	2164	2167	2164	21.54		
100	RUZ BPSK	1	137	2166	2169	2169	22.5		
100	RUZ BPSK	1	271	2161	2167	2165			
100	RUZ BPSK	135	0	2163	2167	2163	22.5		
100	RUZ BPSK	135	69	2168	2169	2169	22.5		
100	RUZ BPSK	135	138	2165	2165	2165	22.5		
100	RUZ BPSK	270	0	2169	2170	2169			
100	QPSK	1	1	2167	2172	2165			
100	QPSK	1	137	2168	2169	2169	22.5		
100	QPSK	1	271	2165	2169	2165			
100	QPSK	135	0	2161	2168	2165	22.5		
100	QPSK	135	69	2165	2170	2169	22.5		
100	QPSK	135	138	2168	2169	2169	22.5		
100	QPSK	270	0	2163	2165	2169			
100	BQAM	1	1	2167	2168	2166	22.5		
100	BQAM	1	1	2165	2169	2169	22.5		
100	BQAM	1	1	2165	2169	2163	22.5		
Channel				3745.02	3745.02	3745.02			
Frequency (MHz)				3745.02	3640	3634.38			
90	QPSK	1	1	2165	2162	2160	22.5		
Channel				3743.51	3743.51	3743.51			
Frequency (MHz)				3743.51	3640	3633.39			
80	QPSK	1	1	2161	2169	2163	22.5		
Channel				3743.03	3743.03	3743.03			
Frequency (MHz)				3735	3640	3645			
70	QPSK	1	1	2168	2160	2151	22.5		
Channel				3740.01	3740.01	3733.32			
Frequency (MHz)				3730.02	3640	3643.38			
60	QPSK	1	1	2160	2167	2169	22.5		
Channel				3743.11	3743.11	3743.11			
Frequency (MHz)				3725.01	3640	3654.39			
50	QPSK	1	1	2164	2164	2163	22.5		
Channel				3740.03	3740.03	3740.03			
Frequency (MHz)				3720	3640	3660			
40	QPSK	1	1	2164	2165	2151	22.5		
Channel				3736.08	3736.08	3743.32			
Frequency (MHz)				3716.02	3640	3654.38			
30	QPSK	1	1	2164	2163	2162	22.5		
Channel				3740.03	3740.03	3740.03			
Frequency (MHz)				3712.5	3640	3667.5			
25	QPSK	1	1	2162	2161	2166	22.5		
Channel				3671.14	3660.00	3666.00			
Frequency (MHz)				3710.51	3640	3666.50			
20	QPSK	1	1	2163	2162	2169	22.5		
Channel				3671.68	3660.00	3663.32			
Frequency (MHz)				3707.50	3640	3672.40			
15	QPSK	1	1	2164	2164	2169	22.5		
Channel				3670.00	3660.00	3660.00			
Frequency (MHz)				3705	3640	3675			
10	QPSK	1	1	2166	2166	2169	20.5		

Part27Q_n77_Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)
Channel				63332	63332	63332		
Frequency (MHz)				3499.98	3499.98	3499.98		
100	16Q BPSK	1	1	18.14	18.14	18.14		
100	16Q BPSK	1	137	18.14	18.14	18.14	19.0	0.0
100	16Q BPSK	1	271	18.04	18.04	18.04		
100	16Q BPSK	135	0	18.08	18.08	18.08	19.0	0.0
100	16Q BPSK	135	69	18.10	18.10	18.10	19.0	0.0
100	16Q BPSK	135	138	18.05	18.05	18.05	19.0	0.0
100	16Q BPSK	270	0	18.05	18.05	18.05		
100	QPSK	1	1	18.15	18.15	18.15		
100	QPSK	1	137	18.14	18.14	18.14	19.0	0.0
100	QPSK	1	271	18.12	18.12	18.12		
100	QPSK	135	0	18.08	18.08	18.08	19.0	0.0
100	QPSK	135	69	18.10	18.10	18.10	19.0	0.0
100	QPSK	135	138	18.01	18.01	18.01	19.0	0.0
100	QPSK	270	0	18.05	18.05	18.05		
100	QAM	1	1	18.01	18.01	18.01	19.0	0.0
100	QAM	1	1	18.04	18.04	18.04	19.0	0.0
100	SSBQAM	1	1	18.09	18.09	18.09	19.0	0.0
Channel				63360	63360	63360		
Frequency (MHz)				3495	3499.98	3504.98		
90	QPSK	1	1	18.04	18.08	18.08	19.0	0.0
Channel				63388	63388	63388		
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	18.08	17.08	17.87	19.0	0.0
Channel				63416	63416	63416		
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	18.01	18.08	18.03	19.0	0.0
Channel				63444	63444	63444		
Frequency (MHz)				3480	3499.98	3519.98		
60	QPSK	1	1	18.10	18.08	18.05	19.0	0.0
Channel				63472	63472	63472		
Frequency (MHz)				3475.02	3499.98	3520		
50	QPSK	1	1	18.08	17.05	18.04	19.0	0.0
Channel				63500	63500	63500		
Frequency (MHz)				3470.01	3499.98	3520.98		
40	QPSK	1	1	18.01	18.02	18.03	19.0	0.0
Channel				63528	63528	63528		
Frequency (MHz)				3465	3499.98	3534.98		
30	QPSK	1	1	18.08	17.09	18.05	19.0	0.0
Channel				63556	63556	63556		
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	18.10	17.08	18.07	19.0	0.0
Channel				63584	63584	63584		
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	18.10	17.09	18.08	19.0	0.0
Channel				63612	63612	63612		
Frequency (MHz)				3457.5	3499.98	3542.40		
15	QPSK	1	1	18.10	18.03	18.11	19.0	0.0
Channel				63640	63640	63640		
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	18.03	18.08	17.98	19.0	0.0



Part27Q_n77(HPUE)_Ant 6												
[BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mids Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	PI2 BPSK	1	1	21.04	21.04		22.0	0.0				
100	PI2 BPSK	1	137	21.07								
100	PI2 BPSK	1	271	21.01								
100	PI2 BPSK	135	0	21.10								
100	PI2 BPSK	135	69	21.14								
100	PI2 BPSK	135	138	21.13			22.0	0.0				
100	PI2 BPSK	270	0	21.15								
100	QPSK	1	1	21.10								
100	QPSK	1	137	21.12								
100	QPSK	1	271	21.01								
100	QPSK	135	0	21.04			22.0	0.0				
100	QPSK	135	69	21.11								
100	QPSK	135	138	21.10								
100	QPSK	270	0	21.01								
100	ISQAM	1	1	21.04								
100	ISQAM	1	1	21.05			22.0	0.0				
100	256QAM	1	1	21.12								
Channel												
Frequency (MHz)												
90	QPSK	1	1	21.11	20.98	21.00	22.0	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	1	21.05	21.00	21.01		22.0				
Channel												
Frequency (MHz)												
70	QPSK	1	1	21.04	21.11	21.11		22.0				
Channel												
Frequency (MHz)												
60	QPSK	1	1	21.09	20.97	21.03		22.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	21.15	21.08	21.08		22.0				
Channel												
Frequency (MHz)												
40	QPSK	1	1	21.04	21.08	21.00		22.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	21.04	21.02	21.01		22.0				
Channel												
Frequency (MHz)												
25	QPSK	1	1	21.04	20.97	21.12		22.0				
Channel												
Frequency (MHz)												
20	QPSK	1	1	21.08	21.02	21.12		22.0				
Channel												
Frequency (MHz)												
15	QPSK	1	1	21.05	21.00	21.08		22.0				
Channel												
Frequency (MHz)												
10	QPSK	1	1	21.04	21.01	21.10		22.0				
Channel												
Frequency (MHz)												

Part27Q_n77_Ant 6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mids Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	PI2 BPSK	1	1	18.19	18.25	18.26	19.0	0.0				
100	PI2 BPSK	1	137	18.20	18.24	18.22						
100	PI2 BPSK	1	271	18.23	18.22	18.25						
100	PI2 BPSK	135	0	18.14	18.20	18.21						
100	PI2 BPSK	135	69	18.23	18.20	18.26						
100	PI2 BPSK	135	138	18.17	18.22	18.21	19.0	0.0				
100	PI2 BPSK	270	0	18.19	18.26	18.22						
100	QPSK	1	1	18.20	18.35	18.20						
100	QPSK	1	137	18.22	18.34	18.20						
100	QPSK	1	271	18.27	18.24	18.23						
100	QPSK	135	0	18.17	18.31	18.20	19.0	0.0				
100	QPSK	135	69	18.22	18.32	18.27						
100	QPSK	135	138	18.20	18.26	18.26						
100	QPSK	270	0	18.18	18.30	18.25						
100	ISQAM	1	1	18.17	18.30	18.26						
100	ISQAM	1	1	18.22	18.25	18.24	19.0	0.0				
100	256QAM	1	1	18.17	18.25	18.27						
Channel												
Frequency (MHz)												
90	QPSK	1	1	18.20	18.20	18.26	19.0	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	1	18.15	18.27	18.28		19.0				
Channel												
Frequency (MHz)												
70	QPSK	1	1	18.14	18.22	18.20		19.0				
Channel												
Frequency (MHz)												
60	QPSK	1	1	18.20	18.24	18.18		19.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	18.27	18.31	18.23		19.0				
Channel												
Frequency (MHz)												
40	QPSK	1	1	18.26	18.23	18.18		19.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	18.25	18.27	18.20		19.0				
Channel												
Frequency (MHz)												
25	QPSK	1	1	18.14	18.34	18.28		19.0				
Channel												
Frequency (MHz)												
20	QPSK	1	1	18.14	18.33	18.15		19.0				
Channel												
Frequency (MHz)												
15	QPSK	1	1	18.20	18.33	18.25		19.0				
Channel												
Frequency (MHz)												
10	QPSK	1	1	18.18	18.30	18.20		19.0				
Channel												
Frequency (MHz)												

Part27Q_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.02	21.04	21.00	22.0	0.0	
100	PI2 BPSK	1	137	21.02	21.11	20.96			
100	PI2 BPSK	1	271	21.05	21.08	21.04			
100	PI2 BPSK	135	0	21.00	21.17	21.02			
100	PI2 BPSK	135	69	21.09	21.06	20.95			
100	PI2 BPSK	135	138	21.11	21.17	20.98	22.0	0.0	
100	PI2 BPSK	270	0	21.11	21.13	21.00			
100	QPSK	1	1	21.12	21.18	21.10			
100	QPSK	1	137	21.08	21.12	20.98			
100	QPSK	1	271	21.10	21.08	20.95			
100	QPSK	135	0	21.08	21.14	21.02	22.0	0.0	
100	QPSK	135	69	21.15	21.09	21.00			
100	QPSK	135	138	21.02	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135	69	21.08	21.09	21.00			
100	QPSK	135	138	21.05	21.06	21.07			
100	QPSK	270	0	21.03	21.06	21.05	22.0	0.0	
100	QPSK	1	1	20.97	21.00	20.98			
100	QPSK	1	137	21.02	21.05	20.98			
100	QPSK	135	0	21.07	21.10	20.96	22.0	0.0	
100	QPSK	135</							

Part27Q_n77_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	
Channel				63332	63332	63332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI2 BPSK	1	1	20.14			
100	PI2 BPSK	1	137	20.23			21.0 0.0
100	PI2 BPSK	1	271	20.21			
100	PI2 BPSK	135	0	20.15			21.0 0.0
100	PI2 BPSK	135	69	20.15			21.0 0.0
100	PI2 BPSK	135	135	20.17			21.0 0.0
100	PI2 BPSK	270	0	20.21			21.0 0.0
100	QPSK	1	1	20.25			
100	QPSK	1	137	20.17			21.0 0.0
100	QPSK	1	271	20.10			
100	QPSK	135	0	20.19			21.0 0.0
100	QPSK	135	69	20.21			21.0 0.0
100	QPSK	135	135	20.11			21.0 0.0
100	QPSK	270	0	20.12			21.0 0.0
100	16QAM	1	1	20.25			21.0 0.0
100	64QAM	1	1	20.14			21.0 0.0
100	256QAM	1	1	20.21			21.0 0.0
Channel				63300	63330	63360	
Frequency (MHz)				3495.02	3499.98	3504.99	MPR
90	QPSK	1	1	20.11	20.12	20.15	21.0 0.0
Channel				63300	63330	63400	
Frequency (MHz)				3490.02	3499.98	3510.00	MPR
80	QPSK	1	1	20.11	20.11	20.15	21.0 0.0
Channel				63330	63330	63430	
Frequency (MHz)				3485.01	3499.98	3514.98	MPR
70	QPSK	1	1	20.19	20.15	20.08	21.0 0.0
Channel				63360	63360	63460	
Frequency (MHz)				3480.01	3499.98	3519.98	MPR
60	QPSK	1	1	20.17	20.08	20.14	21.0 0.0
Channel				63390	63390	63490	
Frequency (MHz)				3475.02	3499.98	3525.00	MPR
50	QPSK	1	1	20.13	20.19	20.17	21.0 0.0
Channel				63420	63420	63520	
Frequency (MHz)				3470.01	3499.98	3529.98	MPR
40	QPSK	1	1	20.14	20.14	20.21	21.0 0.0
Channel				63450	63450	63550	
Frequency (MHz)				3465.01	3499.98	3534.99	MPR
30	QPSK	1	1	20.10	20.11	20.10	21.0 0.0
Channel				63480	63480	63580	
Frequency (MHz)				3462.51	3499.98	3537.48	MPR
25	QPSK	1	1	20.14	20.09	20.09	21.0 0.0
Channel				63510	63510	63610	
Frequency (MHz)				3460.02	3499.98	3540.00	MPR
20	QPSK	1	1	20.10	20.09	20.10	21.0 0.0
Channel				63540	63540	63640	
Frequency (MHz)				3457.50	3499.98	3542.49	MPR
15	QPSK	1	1	20.10	20.16	20.22	21.0 0.0
Channel				63570	63570	63670	
Frequency (MHz)				3455.01	3499.98	3544.98	MPR
10	QPSK	1	1	20.10	20.16	20.08	21.0 0.0

Part27Q_n77(HPUE)_Ant 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (min)	MPR (dB)
Channel				63332	63332	63332		
Frequency (MHz)				3499.98	3499.98	3499.98		
100	PI2 BPSK	1	1	23.03				
100	PI2 BPSK	1	137	23.11		24.0 0.0		0.0
100	PI2 BPSK	1	271	23.03				
100	PI2 BPSK	135	0	23.17		24.0 0.0		0.0
100	PI2 BPSK	135	69	23.04		24.0 0.0		0.0
100	PI2 BPSK	135	135	23.14		24.0 0.0		0.0
100	PI2 BPSK	270	0	23.11		24.0 0.0		0.0
100	QPSK	1	1	23.19				
100	QPSK	1	137	23.12		24.0 0.0		
100	QPSK	1	271	23.15				
100	QPSK	135	0	23.16		24.0 0.0		
100	QPSK	135	69	23.17		24.0 0.0		
100	QPSK	135	135	23.11		24.0 0.0		
100	QPSK	270	0	23.10		24.0 0.0		
100	16QAM	1	1	23.16		24.0 0.0		
100	64QAM	1	1	23.04		24.0 0.0		
100	256QAM	1	1	21.46		22.5 1.5		
Channel				63300	63332	63369		MPR
Frequency (MHz)				3495.02	3499.98	3504.99		
90	QPSK	1	1	23.08	23.04	23.01	24.0 0.0	
Channel				63369	63332	63400		MPR
Frequency (MHz)				3490.01	3499.98	3510.01		
80	QPSK	1	1	23.13	22.98	23.14	24.0 0.0	
Channel				63400	63332	63430		MPR
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	23.04	23.09	23.10	24.0 0.0	
Channel				63430	63332	63469		MPR
Frequency (MHz)				3480.01	3499.98	3519.98		
60	QPSK	1	1	23.12	23.01	23.06	24.0 0.0	
Channel				63469	63332	63500		MPR
Frequency (MHz)				3475.02	3499.98	3525.01		
50	QPSK	1	1	23.05	23.10	23.02	24.0 0.0	
Channel				63500	63332	63530		MPR
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	23.09	22.98	23.01	24.0 0.0	
Channel				63530	63332	63569		MPR
Frequency (MHz)				3465.01	3499.98	3534.98		
30	QPSK	1	1	23.07	23.07	23.05	24.0 0.0	
Channel				63569	63332	63602		MPR
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	23.16	22.97	23.01	24.0 0.0	
Channel				63602	63332	63635		MPR
Frequency (MHz)				3460.02	3499.98	3540.01		
20	QPSK	1	1	23.16	22.98	23.12	24.0 0.0	
Channel				63635	63332	63668		MPR
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	23.16	22.11	23.01	24.0 0.0	
Channel				63668	63332	63702		MPR
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	23.05	22.97	23.09	24.0 0.0	

Part270_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq.	Power Middle Ch. 2/Freq.	Power High Ch. 3/Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				6760	340	1630			
Frequency (MHz)									
100	PIQ BPSK	1	1	20.18	20.22	20.25			
100	PIQ BPSK	1	137	20.20	20.36	20.32	21.0	0.0	
100	PIQ BPSK	1	271	20.29	20.27	20.31			
100	PIQ BPSK	135	5	20.21	20.34	20.34	21.0	0.0	
100	PIQ BPSK	135	69	20.24	20.28	20.32	21.0	0.0	
100	PIQ BPSK	135	138	20.29	20.32	20.32			
100	PIQ BPSK	270	5	20.17	20.24	20.33	21.0	0.0	
100	QPSK	1	1	20.24	20.27	20.25			
100	QPSK	1	137	20.18	20.36	20.21	21.0	0.0	
100	QPSK	135	21	20.28	20.29	20.29	21.0	0.0	
100	QPSK	135	69	20.22	20.21	20.24	21.0	0.0	
100	QPSK	135	138	20.22	20.27	20.24	21.0	0.0	
100	QPSK	270	5	20.25	20.30	20.25			
100	ISQAM	1	1	20.19	20.22	20.27	21.0	0.0	
100	ISQAM	1	1	20.18	20.26	20.31	21.0	0.0	
100	256QAM	1	1	20.25	20.33	20.23	21.0	0.0	
Channel				66968	66968	67232	Tune-up test	MPR	
90	QPSK	1	1	20.15	20.22	20.29	21.0	0.0	
Channel				67034	67034	67066	Tune-up test	MPR	
80	QPSK	1	1	20.20	20.23	20.24	21.0	0.0	
Channel				66900	66900	67000	Tune-up test	MPR	
70	QPSK	1	1	20.28	20.24	20.29	21.0	0.0	
Channel				66968	66968	67332	Tune-up test	MPR	
60	QPSK	1	1	20.16	20.34	20.31	21.0	0.0	
Channel				67434	67434	67666	Tune-up test	MPR	
50	QPSK	1	1	20.18	20.26	20.21	21.0	0.0	
Channel				66800	66800	67000	Tune-up test	MPR	
40	QPSK	1	1	20.15	20.36	20.23	21.0	0.0	
Channel				67668	67668	67432	Tune-up test	MPR	
30	QPSK	1	1	20.26	20.30	20.20	21.0	0.0	
Channel				67500	67500	67400	Tune-up test	MPR	
25	QPSK	1	1	20.18	20.35	20.20	21.0	0.0	
Channel				67334	67334	67666	Tune-up test	MPR	
20	QPSK	1	1	20.15	20.24	20.22	21.0	0.0	
Channel				67768	67768	67432	Tune-up test	MPR	
15	QPSK	1	1	20.25	20.29	20.27	21.0	0.0	
Channel				67700	67700	67000	Tune-up test	MPR	
10	QPSK	1	1	20.23	20.35	20.20	21.0	0.0	

Part270_n77(HPUe)_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq.	Power Middle Ch. 2/Freq.	Power High Ch. 3/Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				660000	666000	662000			
Frequency (MHz)									
100	PIQ BPSK	1	1	23.18	23.24	23.10			
100	PIQ BPSK	1	137	23.23	23.29	23.20	24.0	0.0	
100	PIQ BPSK	1	271	23.19	23.27	23.20			
100	PIQ BPSK	135	5	23.15	23.26	23.11	24.0	0.0	
100	PIQ BPSK	135	69	23.25	23.20	23.11	24.0	0.0	
100	PIQ BPSK	135	138	23.25	23.30	23.23			
100	PIQ BPSK	270	5	23.22	23.37	23.22	24.0	0.0	
100	QPSK	1	1	23.26	23.25	23.25			
100	QPSK	1	137	23.17	23.32	23.22	24.0	0.0	
100	QPSK	1	271	23.14	23.29	23.23			
100	QPSK	135	5	23.24	23.24	23.13	24.0	0.0	
100	QPSK	135	69	23.25	23.22	23.22	24.0	0.0	
100	QPSK	135	138	23.18	23.19	23.20	24.0	0.0	
100	QPSK	270	5	23.24	23.25	23.11			
100	ISQAM	1	1	23.16	23.26	23.16	24.0	0.0	
100	ISQAM	1	1	23.19	23.30	23.23	24.0	0.0	
100	256QAM	1	1	23.09	23.50	21.80	22.5	1.5	
Channel				669600	669600	662332 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
90	QPSK	1	1	23.27	23.29	23.16	24.0	0.0	
Channel				673334	673334	652066 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
80	QPSK	1	1	23.23	23.21	23.19	24.0	0.0	
Channel				675000	669600	675000 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
70	QPSK	1	1	23.17	23.28	23.21	24.0	0.0	
Channel				676500	669600	676500 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
60	QPSK	1	1	23.14	23.31	23.19	24.0	0.0	
Channel				678000	669600	678000 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
50	QPSK	1	1	23.18	23.28	23.19	24.0	0.0	
Channel				679500	669600	679500 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
40	QPSK	1	1	23.18	23.15	23.11	24.0	0.0	
Channel				681000	669600	681000 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
30	QPSK	1	1	23.21	23.15	23.23	24.0	0.0	
Channel				682500	669600	682500 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
25	QPSK	1	1	23.25	23.28	23.12	24.0	0.0	
Channel				684000	669600	684000 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
20	QPSK	1	1	23.25	23.27	23.22	24.0	0.0	
Channel				685500	669600	685500 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
15	QPSK	1	1	23.22	23.28	23.16	24.0	0.0	
Channel				687000	669600	687000 <td>Tune-up test</td> <td colspan="2">MPR</td>	Tune-up test	MPR	
10	QPSK	1	1	23.19	23.29	23.13	24.0	0.0	



Part27Q_n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63332					
100	PQ2 BPSK	1	1	15.76					
100	PQ2 BPSK	1	137	18.81			19.5	0.0	
100	PQ2 BPSK	1	271	18.80					
100	PQ2 BPSK	135	5	18.84			19.5	0.0	
100	PQ2 BPSK	135	69	18.81			19.5	0.0	
100	PQ2 BPSK	135	138	18.81			19.5	0.0	
100	PQ2 BPSK	270	5	18.75			19.5	0.0	
100	QPSK	1	1	18.85					
100	QPSK	1	137	18.74			19.5	0.0	
100	QPSK	1	271	18.84					
100	QPSK	135	5	18.76			19.5	0.0	
100	QPSK	135	69	18.79			19.5	0.0	
100	QPSK	135	138	18.74			19.5	0.0	
100	QPSK	270	5	18.72			19.5	0.0	
100	16QAM	1	1	18.74			19.5	0.0	
100	64QAM	1	1	18.76			19.5	0.0	
100	256QAM	1	1	18.70			19.5	0.0	
Channel									
Frequency (MHz)				63360		63392	Tune-up limit	MPR	
90	QPSK	1	1	3495	3499.98	3504.99			
Channel									
Frequency (MHz)				63388		63420	Tune-up limit	MPR	
80	QPSK	1	1	3495	3499.98	3504.99			
80	QPSK	1	1	18.75	18.80	18.81	19.5	0.0	
Channel									
Frequency (MHz)				63416		63448	Tune-up limit	MPR	
70	QPSK	1	1	18.84	18.82	18.73	19.5	0.0	
Channel									
Frequency (MHz)				63444		63476	Tune-up limit	MPR	
60	QPSK	1	1	3495	3499.98	3504.99			
60	QPSK	1	1	18.75	18.83	18.78	19.5	0.0	
Channel									
Frequency (MHz)				63468		63500	Tune-up limit	MPR	
50	QPSK	1	1	3495	3499.98	3504.99			
50	QPSK	1	1	18.84	18.78	18.83	19.5	0.0	
Channel									
Frequency (MHz)				63494		63532	Tune-up limit	MPR	
40	QPSK	1	1	3495	3499.98	3504.99			
40	QPSK	1	1	18.84	18.74	18.75	19.5	0.0	
Channel									
Frequency (MHz)				63500		63568	Tune-up limit	MPR	
30	QPSK	1	1	3495	3499.98	3504.99			
30	QPSK	1	1	18.71	18.71	18.80	19.5	0.0	
Channel									
Frequency (MHz)				63584		63632	Tune-up limit	MPR	
25	QPSK	1	1	3495	3499.98	3504.99			
25	QPSK	1	1	18.81	18.73	18.73	19.5	0.0	
Channel									
Frequency (MHz)				63668		63800	Tune-up limit	MPR	
20	QPSK	1	1	3495	3499.98	3504.99			
20	QPSK	1	1	18.80	18.81	18.78	19.5	0.0	
Channel									
Frequency (MHz)				63850		63816	Tune-up limit	MPR	
15	QPSK	1	1	3495	3499.98	3504.99			
15	QPSK	1	1	18.80	18.83	18.74	19.5	0.0	
Channel									
Frequency (MHz)				63934		63832	Tune-up limit	MPR	
10	QPSK	1	1	3495	3499.98	3504.99			
10	QPSK	1	1	18.83	18.81	18.73	19.5	0.0	

Part27Q_n78(HPUe)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63398					
100	PQ2 BPSK	1	1	21.53					
100	PQ2 BPSK	1	137	21.55			22.5	0.0	
100	PQ2 BPSK	1	271	21.48					
100	PQ2 BPSK	135	5	21.57			22.5	0.0	
100	PQ2 BPSK	135	69	21.53			22.5	0.0	
100	PQ2 BPSK	135	138	21.55			22.5	0.0	
100	PQ2 BPSK	270	5	21.51			22.5	0.0	
100	QPSK	1	1	21.50					
100	QPSK	1	137	21.48			22.5	0.0	
100	QPSK	1	271	21.43					
100	QPSK	135	5	21.51			22.5	0.0	
100	QPSK	135	69	21.55			22.5	0.0	
100	QPSK	135	138	21.51			22.5	0.0	
100	QPSK	270	5	21.49			22.5	0.0	
100	64QAM	1	1	21.48			22.5	0.0	
100	64QAM	1	1	21.43			22.5	0.0	
100	256QAM	1	1	21.55			22.5	0.0	
Channel				63300	63332	63366			MPR
Frequency (MHz)				63360					
90	QPSK	1	1	21.52	21.45	21.48	22.5	0.0	
Channel				63268	63300	63332			MPR
Frequency (MHz)				63300					
80	QPSK	1	1	21.57	21.46	21.47	22.5	0.0	
Channel				63234	63266	63302			MPR
Frequency (MHz)				63266					
70	QPSK	1	1	21.48	21.57	21.53	22.5	0.0	
Channel				63200	63232	63266			MPR
Frequency (MHz)				63266					
60	QPSK	1	1	21.50	21.49	21.48	22.5	0.0	
Channel				63168	63200	63232			MPR
Frequency (MHz)				63200					
50	QPSK	1	1	21.52	21.51	21.48	22.5	0.0	
Channel				63134	63166	63202			MPR
Frequency (MHz)				63166					
40	QPSK	1	1	21.48	21.52	21.47	22.5	0.0	
Channel				63100	63132	63166			MPR
Frequency (MHz)				63166					
30	QPSK	1	1	21.50	21.57	21.48	22.5	0.0	
Channel				63034	63066	63102			MPR
Frequency (MHz)				63066					
25	QPSK	1	1	21.47	21.48	21.51	22.5	0.0	
Channel				63068	63100	63132			MPR
Frequency (MHz)				63100					
20	QPSK	1	1	21.57	21.57	21.52	22.5	0.0	
Channel				63050	63082	63116			MPR
Frequency (MHz)				63082					
15	QPSK	1	1	21.58	21.45	21.45	22.5	0.0	
Channel				63034	63066	63102			MPR
Frequency (MHz)				63066					
10	QPSK	1	1	21.58	21.46	21.45	22.5	0.0	

Part27Q_n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PQ2 BPSK	1	1	18.85					
100	PQ2 BPSK	1	137	18.85			19.5	0.0	
100	PQ2 BPSK	1	271	18.78					
100	PQ2 BPSK	135	5	18.86			19.5	0.0	
100	PQ2 BPSK	135	69	18.78			19.5	0.0	
100	PQ2 BPSK	135	138	18.77			19.5	0.0	
100	PQ2 BPSK	270	5	18.83			19.5	0.0	
100	QPSK	1	1	18.85					
100	QPSK	1	137	18.84			19.5	0.0	
100	QPSK	1	271	18.85					
100	QPSK	135	5	18.80			19.5	0.0	
100	QPSK	135	69	18.86			19.5	0.0	
100	QPSK	135	138	18.80			19.5	0.0	
100	QPSK	270	5	18.88			19.5	0.0	
100	16QAM	1	1	18.85			19.5	0.0	
100	64QAM	1	1	18.83			19.5	0.0	
100	256QAM	1	1	18.75			19.5	0.0	
Channel									
Frequency (MHz)				65668					
90	QPSK	1	1	2956	2959.98	2964.98			
Frequency (MHz)				65696					
80	QPSK	1	1	18.84	18.77	18.75	19.5	0.0	
Frequency (MHz)				65724					
70	QPSK	1	1	18.89	18.79	18.79	19.5	0.0	
Frequency (MHz)				65752					
60	QPSK	1	1	18.80	18.85	18.75	19.5	0.0	
Frequency (MHz)				65780					
50	QPSK	1	1	18.80	18.90	18.76	19.5	0.0	
Frequency (MHz)				65808					
40	QPSK	1	1	18.85	18.77	18.81	19.5	0.0	
Frequency (MHz)				65836					
30	QPSK	1	1	18.91	18.81	18.83	19.5	0.0	
Frequency (MHz)				65864					
25	QPSK	1	1	18.81	18.82	18.88	19.5	0.0	
Frequency (MHz)				65892					
20	QPSK	1	1	18.79	18.86	18.88	19.5	0.0	
Frequency (MHz)				65920					
15	QPSK	1	1	18.80	18.79	18.88	19.5	0.0	
Frequency (MHz)				65948					
10	QPSK	1	1	18.87	18.85	18.76	19.5	0.0	

Part27O_n78(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				21.6	66000				
Frequency (MHz)				21.6					
100	16Q BPSK	1	1	21.69					
100	16Q BPSK	1	137	21.74			22.5	0.0	
100	16Q BPSK	1	271	21.78					
100	16Q BPSK	135	0	21.70			22.5	0.0	
100	16Q BPSK	135	69	21.79			22.5	0.0	
100	16Q BPSK	135	135	21.88			22.5	0.0	
100	16Q BPSK	270	0	21.75					
100	QPSK	1	1	21.61					
100	QPSK	1	137	21.69			22.5	0.0	
100	QPSK	1	271	21.69					
100	QPSK	135	0	21.78			22.5	0.0	
100	QPSK	135	69	21.88			22.5	0.0	
100	QPSK	135	135	21.79			22.5	0.0	
100	QPSK	270	0	21.75					
100	BQAM	1	1	21.71			22.5	0.0	
100	BQAM	1	1	21.72			22.5	0.0	
100	SSBQAM	1	1	21.72			22.5	0.0	
Channel				64868	65000	65232	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	21.78	21.79	21.78	22.5	0.0	
Channel				64833	65000	65167	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	21.78	21.69	21.72	22.5	0.0	
Channel				64800	65000	65200	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.69	21.69	21.67	22.5	0.0	
Channel				64768	65000	65232	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	21.73	21.71	21.73	22.5	0.0	
Channel				64731	65000	65269	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	21.67	21.71	21.69	22.5	0.0	
Channel				64690	65000	65310	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.77	21.76	21.67	22.5	0.0	
Channel				64658	65000	65332	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	21.69	21.71	21.71	22.5	0.0	
Channel				64620	65000	65380	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	21.67	21.60	21.71	22.5	0.0	
Channel				64584	65000	65396	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	21.68	21.68	21.71	22.5	0.0	
Channel				64548	65000	65392	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	21.72	21.78	21.72	22.5	0.0	
Channel				64500	65000	65300	20MHz Intvl (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.68	21.72	21.74	22.5	0.0	



Part27Q_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63332					
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	18.76					
100	PQ2 BPSK	1	137	18.79			19.5	0.0	
100	PQ2 BPSK	1	271	18.77					
100	PQ2 BPSK	135	5	18.65			19.5	0.0	
100	PQ2 BPSK	135	69	18.77			19.5	0.0	
100	PQ2 BPSK	135	138	18.68					
100	PQ2 BPSK	270	0	18.71			19.5	0.0	
100	QPSK	1	1	18.80					
100	QPSK	1	137	18.74			19.5	0.0	
100	QPSK	1	271	18.77					
100	QPSK	135	5	18.68			19.5	0.0	
100	QPSK	135	69	18.77			19.5	0.0	
100	QPSK	135	138	18.72					
100	QPSK	270	0	18.70			19.5	0.0	
100	16QAM	1	1	18.69			19.5	0.0	
100	64QAM	1	1	18.74			19.5	0.0	
100	256QAM	1	1	18.76			19.5	0.0	
Channel				63360	63360	63366			MPR
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	18.75	18.63	18.68	19.5	0.0	
Channel				63388	63388	63400			MPR
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	18.72	18.69	18.70	19.5	0.0	
Channel				63416	63416	63432			MPR
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	18.72	18.67	18.75	19.5	0.0	
Channel				63440	63440	63446			MPR
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	18.78	18.69	18.71	19.5	0.0	
Channel				63468	63468	63500			MPR
Frequency (MHz)				3475.02	3499.98	3520			
50	QPSK	1	1	18.74	18.74	18.76	19.5	0.0	
Channel				63470.01	3499.98	3520.98			MPR
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	18.75	18.65	18.70	19.5	0.0	
Channel				63500	63500	63566			MPR
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	18.77	18.71	18.64	19.5	0.0	
Channel				63524	63524	63582			MPR
Frequency (MHz)				3460.51	3499.98	3537.48			
25	QPSK	1	1	18.74	18.65	18.71	19.5	0.0	
Channel				63568	63568	63600			MPR
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	18.67	18.67	18.73	19.5	0.0	
Channel				63592	63592	63616			MPR
Frequency (MHz)				3457.5	3499.98	3542.48			
15	QPSK	1	1	18.74	18.68	18.74	19.5	0.0	
Channel				63634	63634	63632			MPR
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	18.72	18.69	18.67	19.5	0.0	

Part27Q_n78(HPUe)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63332					
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	21.63					
100	PQ2 BPSK	1	137	21.68			22.5	0.0	
100	PQ2 BPSK	1	271	21.52					
100	PQ2 BPSK	135	5	21.63			22.5	0.0	
100	PQ2 BPSK	135	69	21.62			22.5	0.0	
100	PQ2 BPSK	135	138	21.68					
100	PQ2 BPSK	270	0	21.65			22.5	0.0	
100	QPSK	1	1	21.70					
100	QPSK	1	137	21.61			22.5	0.0	
100	QPSK	1	271	21.63					
100	QPSK	135	5	21.64			22.5	0.0	
100	QPSK	135	69	21.68			22.5	0.0	
100	QPSK	135	138	21.62					
100	QPSK	270	0	21.65			22.5	0.0	
100	8QAM	1	1	21.61			22.5	0.0	
100	64QAM	1	1	21.62			22.5	0.0	
100	256QAM	1	1	21.67			22.5	0.0	
Channel				63360	63362	63368			MPR
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	21.67	21.67	21.74	22.5	0.0	
Channel				63388	63388	63400			MPR
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	21.70	21.73	21.60	22.5	0.0	
Channel				63416	63416	63432			MPR
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	21.71	21.67	21.60	22.5	0.0	
Channel				63440	63440	63466			MPR
Frequency (MHz)				3480	3499.98	3520.98			
60	QPSK	1	1	21.70	21.75	21.70	22.5	0.0	
Channel				63464	63464	63500			MPR
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	21.70	21.74	21.62	22.5	0.0	
Channel				63470.01	3499.98	3520.98			MPR
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	21.64	21.73	21.68	22.5	0.0	
Channel				63500	63500	63566			MPR
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	21.68	21.71	21.67	22.5	0.0	
Channel				63524	63524	63582			MPR
Frequency (MHz)				3460.51	3499.98	3537.48			
25	QPSK	1	1	21.70	21.72	21.74	22.5	0.0	
Channel				63568	63568	63600			MPR
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	21.59	21.62	21.67	22.5	0.0	
Channel				63592	63592	63616			MPR
Frequency (MHz)				3457.5	3499.98	3542.48			
15	QPSK	1	1	21.70	21.68	21.70	22.5	0.0	
Channel				63634	63634	63632			MPR
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	21.68	21.62	21.67	20.5	0.0	

Part27Q_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				66000					
Frequency (MHz)				3495					
100	PQ2 BPSK	1	1	18.71					
100	PQ2 BPSK	1	137	18.75			19.5	0.0	
100	PQ2 BPSK	1	271	18.69					
100	PQ2 BPSK	135	5	18.77			19.5	0.0	
100	PQ2 BPSK	135	69	18.70			19.5	0.0	
100	PQ2 BPSK	135	138	18.71					
100	PQ2 BPSK	270	0	18.76			19.5	0.0	
100	QPSK	1	1	18.83					
100	QPSK	1	137	18.77			19.5	0.0	
100	QPSK	1	271	18.65					
100	QPSK	135	5	18.78			19.5	0.0	
100	QPSK	135	69	18.80			19.5	0.0	
100	QPSK	135	138	18.68					
100	QPSK	270	0	18.75			19.5	0.0	
100	16QAM	1	1	18.77			19.5	0.0	
100	64QAM	1	1	18.70			19.5	0.0	
100	256QAM	1	1	18.71			19.5	0.0	
Channel				66068	66068	66068			
Frequency (MHz)				3745.92	3750	3754.98			
90	QPSK	1	1	18.76	18.81	18.72	19.5	0.0	
Channel				66136	66136	66136			
Frequency (MHz)				3740.01	3750	3759.98			
80	QPSK	1	1	18.65	18.82	18.66	19.5	0.0	
Channel				66204	66204	66204			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.68	18.80	18.68	19.5	0.0	
Channel				66272	66272	66272			
Frequency (MHz)				3730.02	3750	3764.98			
60	QPSK	1	1	18.67	18.69	18.68	19.5	0.0	
Channel				66340	66340	66340			
Frequency (MHz)				3725.01	3750	3764.98			
50	QPSK	1	1	18.66	18.79	18.67	19.5	0.0	
Channel				66408	66408	66408			
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	1	18.77	18.72	18.73	19.5	0.0	
Channel				66476	66476	66476			
Frequency (MHz)				3715.01	3750	3764.98			
30	QPSK	1	1	18.70	18.78	18.65	19.5	0.0	
Channel				66500	66500	66500			
Frequency (MHz)				3710	3750	3750			
20	QPSK	1	1	18.69	18.70	18.73	19.5	0.0	
Channel				66534	66534	66534			
Frequency (MHz)				3705.01	3750	3754.98			
10	QPSK	1	1	18.78	18.70	18.62	19.5	0.0	
Channel				66600	66600	66600			
Frequency (MHz)				3700	3750	3750			
5	QPSK	1	1	18.77	18.79	18.86	19.5	0.0	



Part27O_n78(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				21.5	21.5	21.5			
Frequency (MHz)				3745	3745	3745			
100	RUZ BPSK	1	1	21.55	21.55	21.55	22.5	0.0	
100	RUZ BPSK	1	137	21.58	21.58	21.58	22.5	0.0	
100	RUZ BPSK	1	271	21.58	21.58	21.58	22.5	0.0	
100	RUZ BPSK	135	0	21.57	21.57	21.57	22.5	0.0	
100	RUZ BPSK	135	69	21.63	21.63	21.63	22.5	0.0	
100	RUZ BPSK	135	138	21.57	21.57	21.57	22.5	0.0	
100	RUZ BPSK	270	0	21.63	21.63	21.63	22.5	0.0	
100	QPSK	1	1	21.60	21.60	21.60	22.5	0.0	
100	QPSK	1	137	21.52	21.52	21.52	22.5	0.0	
100	QPSK	1	271	21.52	21.52	21.52	22.5	0.0	
100	QPSK	135	0	21.60	21.60	21.60	22.5	0.0	
100	QPSK	135	69	21.61	21.61	21.61	22.5	0.0	
100	QPSK	135	138	21.54	21.54	21.54	22.5	0.0	
100	QPSK	270	0	21.61	21.61	21.61	22.5	0.0	
100	BQAM	1	1	21.62	21.62	21.62	22.5	0.0	
100	BQAM	1	1	21.54	21.54	21.54	22.5	0.0	
100	BQAM	1	1	21.58	21.58	21.58	22.5	0.0	
Channel				64868	65000	65232	21.62	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	21.59	21.57	21.68	22.5	0.0	
Channel				64852	65000	65096	21.62	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	21.61	21.59	21.65	22.5	0.0	
Channel				64800	65000	65200	21.61	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.60	21.58	21.63	22.5	0.0	
Channel				64768	65000	65232	21.62	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	21.52	21.63	21.47	22.5	0.0	
Channel				64718	65000	65292	21.62	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	21.61	21.58	21.67	22.5	0.0	
Channel				64600	65000	65400	21.61	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.49	21.68	21.52	22.5	0.0	
Channel				64568	65000	65432	21.61	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	21.56	21.64	21.60	22.5	0.0	
Channel				64500	65000	65500	21.61	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	21.56	21.68	21.48	22.5	0.0	
Channel				64534	65000	65466	21.62	MPR (dB)	
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	21.49	21.69	21.64	22.5	0.0	
Channel				64568	65000	65432	21.61	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	21.58	21.62	21.62	22.5	0.0	
Channel				64700	65000	65300	21.62	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.51	21.62	21.60	20.5	0.0	

Part27Q_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63332					
100	PB2 BPSK	1	1	17.06	17.06				
100	PB2 BPSK	1	137	17.93			19.0	0.0	
100	PB2 BPSK	1	271	18.00					
100	PB2 BPSK	135	0	18.04			19.0	0.0	
100	PB2 BPSK	135	69	18.00			19.0	0.0	
100	PB2 BPSK	135	138	17.98					
100	PB2 BPSK	270	0	18.03			19.0	0.0	
Channel									
100	QPSK	1	1	18.02					
100	QPSK	1	137	18.04			19.0	0.0	
100	QPSK	1	271	18.00					
100	QPSK	135	0	17.96			19.0	0.0	
100	QPSK	135	69	18.00			19.0	0.0	
100	QPSK	135	138	17.96			19.0	0.0	
100	QPSK	270	0	17.90			19.0	0.0	
100	8QAM	1	1	18.00			19.0	0.0	
100	256QAM	1	1	18.01			19.0	0.0	
Channel									
Frequency (MHz)				63390		63392	63368		MPR
90	QPSK	1	1	18.02	18.00	17.94	19.0	0.0	
Channel									
Frequency (MHz)				3496.08		34932	34980		MPR
80	QPSK	1	1	17.82	18.03	18.03	19.0	0.0	
Channel									
Frequency (MHz)				3493.04		34932	34932		MPR
70	QPSK	1	1	18.02	17.96	17.95	19.0	0.0	
Channel									
Frequency (MHz)				3490		34932	34968		MPR
60	QPSK	1	1	18.04	17.92	17.96	19.0	0.0	
Channel									
Frequency (MHz)				3486.01		34932	35000		MPR
50	QPSK	1	1	17.91	18.01	17.96	19.0	0.0	
Channel									
Frequency (MHz)				3483.04		34932	34932		MPR
40	QPSK	1	1	17.85	17.99	17.99	19.0	0.0	
Channel									
Frequency (MHz)				3480		34932	35008		MPR
30	QPSK	1	1	17.86	17.93	17.89	19.0	0.0	
Channel									
Frequency (MHz)				3476.01		34932	35082		MPR
25	QPSK	1	1	17.87	17.99	17.85	19.0	0.0	
Channel									
Frequency (MHz)				3468		34932	35000		MPR
20	QPSK	1	1	18.00	17.91	17.85	19.0	0.0	
Channel									
Frequency (MHz)				3465.02		34932	35098		MPR
15	QPSK	1	1	18.01	17.88	17.84	19.0	0.0	
Channel									
Frequency (MHz)				3462.01		34932	35174		MPR
10	QPSK	1	1	17.92	18.00	17.87	19.0	0.0	

Part27Q_n78(HPUe)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63300					
100	PB2 BPSK	1	1	21.07					
100	PB2 BPSK	1	137	20.98			22.0	0.0	
100	PB2 BPSK	1	271	21.09					
100	PB2 BPSK	135	0	21.09			22.0	0.0	
100	PB2 BPSK	135	69	21.02			22.0	0.0	
100	PB2 BPSK	135	138	21.10			22.0	0.0	
100	PB2 BPSK	270	0	20.98			22.0	0.0	
100	QPSK	1	1	21.12					
100	QPSK	1	137	21.08			22.0	0.0	
100	QPSK	1	271	20.97					
100	QPSK	135	0	21.03			22.0	0.0	
100	QPSK	135	69	21.07			22.0	0.0	
100	QPSK	135	138	21.08			22.0	0.0	
100	QPSK	270	0	21.06			22.0	0.0	
100	8QAM	1	1	20.99			22.0	0.0	
100	8QAM	1	1	21.09			22.0	0.0	
100	256QAM	1	1	21.08			22.0	0.0	
Channel									
Frequency (MHz)				63300		63366	Tune-up limit		MPR
90	QPSK	1	1	21.08	20.99	20.93	22.0	0.0	
Channel									
Frequency (MHz)				63366		63400	Tune-up limit		MPR
80	QPSK	1	1	21.01	21.05	21.03	22.0	0.0	
Channel									
Frequency (MHz)				63434		63432	Tune-up limit		MPR
70	QPSK	1	1	21.03	21.09	20.97	22.0	0.0	
Channel									
Frequency (MHz)				63500		63468	Tune-up limit		MPR
60	QPSK	1	1	21.02	21.07	20.96	22.0	0.0	
Channel									
Frequency (MHz)				63468		63500	Tune-up limit		MPR
50	QPSK	1	1	21.01	20.99	21.07	22.0	0.0	
Channel									
Frequency (MHz)				63532		63532	Tune-up limit		MPR
40	QPSK	1	1	21.08	20.98	21.01	22.0	0.0	
Channel									
Frequency (MHz)				63532		63566	Tune-up limit		MPR
30	QPSK	1	1	21.09	21.08	21.03	22.0	0.0	
Channel									
Frequency (MHz)				63566		63632	Tune-up limit		MPR
25	QPSK	1	1	21.06	21.04	20.97	22.0	0.0	
Channel									
Frequency (MHz)				63632		63600	Tune-up limit		MPR
20	QPSK	1	1	21.04	21.05	21.01	22.0	0.0	
Channel									
Frequency (MHz)				63600		63666	Tune-up limit		MPR
15	QPSK	1	1	21.09	21.02	21.01	22.0	0.0	
Channel									
Frequency (MHz)				63666		63632	Tune-up limit		MPR
10	QPSK	1	1	21.08	20.96	21.03	22.0	0.0	

Part27Q_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63332					
100	PB2 BPSK	1	1	18.16					
100	PB2 BPSK	1	137	18.21			19.0	0.0	
100	PB2 BPSK	1	271	18.16					
100	PB2 BPSK	135	0	18.19			19.0	0.0	
100	PB2 BPSK	135	69	18.27			19.0	0.0	
100	PB2 BPSK	135	138	18.26			19.0	0.0	
100	PB2 BPSK	270	0	18.16			19.0	0.0	
100	QPSK	1	1	18.28					
100	QPSK	1	137	18.21			19.0	0.0	
100	QPSK	1	271	18.25					
100	QPSK	135	0	18.17			19.0	0.0	
100	QPSK	135	69	18.22			19.0	0.0	
100	QPSK	135	138	18.15			19.0	0.0	
100	QPSK	270	0	18.15			19.0	0.0	
100	8QAM	1	1	18.24			19.0	0.0	
100	8QAM	1	1	18.16			19.0	0.0	
100	256QAM	1	1	18.20			19.0	0.0	
Channel									
Frequency (MHz)				63390		63390	Tune-up limit	MPR	
90	QPSK	1	1	18.17	18.05	18.21	19.0	0.0	
Channel									
Frequency (MHz)				3490.02		3490.02	Tune-up limit	MPR	
80	QPSK	1	1	18.22	18.17	18.23	19.0	0.0	
Channel									
Frequency (MHz)				3485.01		3485.01	Tune-up limit	MPR	
70	QPSK	1	1	18.25	18.14	18.19	19.0	0.0	
Channel									
Frequency (MHz)				3480		3480	Tune-up limit	MPR	
60	QPSK	1	1	18.15	18.05	18.16	19.0	0.0	
Channel									
Frequency (MHz)				3475.02		3475.02	Tune-up limit	MPR	
50	QPSK	1	1	18.23	18.17	18.22	19.0	0.0	
Channel									
Frequency (MHz)				3470		3470	Tune-up limit	MPR	
40	QPSK	1	1	18.24	18.12	18.15	19.0	0.0	
Channel									
Frequency (MHz)				3465		3465	Tune-up limit	MPR	
30	QPSK	1	1	18.18	18.08	18.15	19.0	0.0	
Channel									
Frequency (MHz)				3460		3460	Tune-up limit	MPR	
25	QPSK	1	1	18.26	18.10	18.22	19.0	0.0	
Channel									
Frequency (MHz)				3455		3455	Tune-up limit	MPR	
20	QPSK	1	1	18.27	18.09	18.20	19.0	0.0	
Channel									
Frequency (MHz)				3450		3450	Tune-up limit	MPR	
15	QPSK	1	1	18.28	18.19	18.22	19.0	0.0	
Channel									
Frequency (MHz)				3445		3445	Tune-up limit	MPR	
10	QPSK	1	1	18.14	18.17	18.13	19.0	0.0	

Part27O_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84868	85000	85132			
Frequency (MHz)				21.02	21.02	21.02			
100	P12 BPSK	1	1	21.02	21.02	21.02	22.0	0.0	
100	P12 BPSK	1	137	21.02	21.02	21.02	22.0	0.0	
100	P12 BPSK	1	271	21.02	21.02	21.02	22.0	0.0	
100	P12 BPSK	135	0	21.03	21.03	21.03	22.0	0.0	
100	P12 BPSK	135	69	21.03	21.03	21.03	22.0	0.0	
100	P12 BPSK	135	138	21.03	21.03	21.03	22.0	0.0	
100	P12 BPSK	270	0	21.03	21.03	21.03	22.0	0.0	
100	QPSK	1	1	21.03	21.03	21.03	22.0	0.0	
100	QPSK	1	137	21.02	21.02	21.02	22.0	0.0	
100	QPSK	1	271	21.02	21.02	21.02	22.0	0.0	
100	QPSK	135	0	21.03	21.03	21.03	22.0	0.0	
100	QPSK	135	69	21.03	21.03	21.03	22.0	0.0	
100	QPSK	135	138	21.03	21.03	21.03	22.0	0.0	
100	QPSK	270	0	21.03	21.03	21.03	22.0	0.0	
100	16QAM	1	1	20.98	20.98	20.98	22.0	0.0	
100	16QAM	1	1	20.98	20.98	20.98	22.0	0.0	
100	32QAM	1	1	21.08	21.08	21.08	22.0		
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	21.06	21.02	21.04	22.0		
Channel				84868	85000	85068	Tune-up Intvl	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	20.99	20.99	21.01	22.0		
Channel				84868	85000	85100	Tune-up Intvl	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.95	21.05	20.94	22.0		
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	21.08	21.08	21.01	22.0		
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	21.09	20.95	21.02	22.0		
Channel				84868	85000	85168	Tune-up Intvl	MPR	
Frequency (MHz)				3720	3750	3774.99			
40	QPSK	1	1	20.98	20.90	20.93	22.0		
Channel				84868	85000	85200	Tune-up Intvl	MPR	
Frequency (MHz)				3720	3750	3780			
30	QPSK	1	1	21.00	21.01	21.04	22.0		
Channel				84868	85000	85232	Tune-up Intvl	MPR	
Frequency (MHz)				3715.01	3750	3787.5			
25	QPSK	1	1	20.99	21.03	20.96	22.0		
Channel				84868	85000	85268	Tune-up Intvl	MPR	
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	21.03	20.91	21.02	22.0		
Channel				84868	85000	85300	Tune-up Intvl	MPR	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	20.95	21.02	21.03	22.0		
Channel				84868	85000	85300	Tune-up Intvl	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.09	20.99	21.00	22.0		



Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63332					
Frequency (MHz)				349.98					
100	PQ2 BPSK	1	1	20.06					
100	PQ2 BPSK	1	137	20.04			21.0	0.0	
100	PQ2 BPSK	1	271	20.12					
100	PQ2 BPSK	135	0	20.11			21.0	0.0	
100	PQ2 BPSK	135	69	20.04					
100	PQ2 BPSK	135	138	20.12			21.0	0.0	
100	PQ2 BPSK	270	0	20.04					
100	QPSK	1	1	20.10					
100	QPSK	1	137	20.06			21.0	0.0	
100	QPSK	1	271	20.08					
100	QPSK	135	0	20.11			21.0	0.0	
100	QPSK	135	69	20.16			21.0	0.0	
100	QPSK	135	138	20.06			21.0	0.0	
100	QPSK	270	0	20.08					
100	16QAM	1	1	20.06			21.0	0.0	
100	64QAM	1	1	20.09			21.0	0.0	
100	256QAM	1	1	20.15			21.0	0.0	
Channel				63300	63360				
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	20.15	20.04	20.10	21.0	0.0	
Channel				63380	63320				
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	20.09	20.02	20.00	21.0	0.0	
Channel				63350	63310				
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	20.08	20.10	20.06	21.0	0.0	
Channel				63320	63310				
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	20.11	20.03	20.07	21.0	0.0	
Channel				63300	63310				
Frequency (MHz)				3475.02	3499.98	3520			
50	QPSK	1	1	20.08	20.16	20.02	21.0	0.0	
Channel				63280	63310				
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	20.11	20.14	20.09	21.0	0.0	
Channel				63260	63310				
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	20.10	20.05	20.02	21.0	0.0	
Channel				63240	63310				
Frequency (MHz)				3460.01	3499.98	3537.48			
25	QPSK	1	1	20.13	20.01	20.00	21.0	0.0	
Channel				63220	63310				
Frequency (MHz)				3455.02	3499.98	3540			
20	QPSK	1	1	20.12	20.01	20.07	21.0	0.0	
Channel				63200	63310				
Frequency (MHz)				3450.03	3499.98	3542.49			
15	QPSK	1	1	20.15	20.09	20.01	21.0	0.0	
Channel				63180	63310				
Frequency (MHz)				3445.01	3499.98	3544.98			
10	QPSK	1	1	20.18	20.08	20.00	21.0	0.0	

Part27Q_n78(HPUe)_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63332					
Frequency (MHz)				349.98					
100	PQ2 BPSK	1	1	23.06					
100	PQ2 BPSK	1	137	23.09			24.0	0.0	
100	PQ2 BPSK	1	271	23.08					
100	PQ2 BPSK	135	0	23.06			24.0	0.0	
100	PQ2 BPSK	135	69	23.02					
100	PQ2 BPSK	135	138	23.08			24.0	0.0	
100	PQ2 BPSK	270	0	23.08					
100	QPSK	1	1	23.10					
100	QPSK	1	137	23.01			24.0	0.0	
100	QPSK	1	271	23.08					
100	QPSK	135	0	22.97			24.0	0.0	
100	QPSK	135	69	23.02			24.0	0.0	
100	QPSK	135	138	23.01			24.0	0.0	
100	QPSK	270	0	23.02					
100	16QAM	1	1	23.02			24.0	0.0	
100	64QAM	1	1	23.04			24.0	0.0	
100	256QAM	1	1	23.07			22.5	1.5	
Channel				63300	63360				
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	22.98	22.91	22.99	24.0	0.0	
Channel				63280	63320				
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	22.97	23.03	22.96	24.0	0.0	
Channel				63260	63310				
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	23.00	23.00	22.97	24.0	0.0	
Channel				63240	63310				
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	22.98	22.93	22.90	24.0	0.0	
Channel				63220	63310				
Frequency (MHz)				3475.02	3499.98	3520			
50	QPSK	1	1	23.05	22.95	23.01	24.0	0.0	
Channel				63200	63310				
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	23.04	23.04	22.93	24.0	0.0	
Channel				63180	63310				
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	23.06	22.97	22.89	24.0	0.0	
Channel				63160	63310				
Frequency (MHz)				3460.01	3499.98	3537.48			
25	QPSK	1	1	22.98	22.91	22.80	24.0	0.0	
Channel				63140	63310				
Frequency (MHz)				3455.02	3499.98	3540			
20	QPSK	1	1	22.96	23.01	22.97	24.0	0.0	
Channel				63120	63310				
Frequency (MHz)				3450.03	3499.98	3542.49			
15	QPSK	1	1	22.95	22.93	23.01	24.0	0.0	
Channel				63100	63310				
Frequency (MHz)				3445.01	3499.98	3544.98			
10	QPSK	1	1	22.98	23.03	22.97	24.0	0.0	

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				66000					
Frequency (MHz)				349.98					
100	PQ2 BPSK	1	1	20.11					
100	PQ2 BPSK	1	137	20.19			21.0	0.0	
100	PQ2 BPSK	1	271	20.22					
100	PQ2 BPSK	135	0	20.20			21.0	0.0	
100	PQ2 BPSK	135	69	20.11					
100	PQ2 BPSK	135	138	20.12			21.0	0.0	
100	PQ2 BPSK	270	0	20.13					
100	QPSK	1	1	20.26					
100	QPSK	1	137	20.12			21.0	0.0	
100	QPSK	1	271	20.24					
100	QPSK	135	0	20.20			21.0	0.0	
100	QPSK	135	69	20.22			21.0	0.0	
100	QPSK	135	138	20.12			21.0	0.0	
100	QPSK	270	0	20.16					
100	16QAM	1	1	20.20			21.0	0.0	
100	64QAM	1	1	20.20			21.0	0.0	
100	256QAM	1	1	20.16			21.0	0.0	
Channel				66080	66020				
Frequency (MHz)				3745.92	3750	3754.98			



Part270_n78(HPUE)_Ant 8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode	Power High Ch. / Freq.	Tune-up time (min)	MPE (dB)
Channel				660000				
Frequency (MHz)				3750				
100	PQ2 BPSK	1	1		23.08			
100	PQ2 BPSK	1	137		23.17		24.0	0.0
100	PQ2 BPSK	1	271		23.18			
100	PQ2 BPSK	135	0		23.09		24.0	0.0
100	PQ2 BPSK	135	69		23.18		24.0	0.0
100	PQ2 BPSK	135	138		23.18		24.0	0.0
100	PQ2 BPSK	270	0		23.19			
100	QPSK	1	1		23.22			
100	QPSK	1	137		23.18		24.0	0.0
100	QPSK	1	271		23.18			
100	QPSK	135	0		23.12		24.0	0.0
100	QPSK	135	69		23.20		24.0	0.0
100	QPSK	135	138		23.19		24.0	0.0
100	QPSK	270	0		23.13			
100	16QAM	1	1		23.14		24.0	0.0
100	64QAM	1	1		23.15		24.0	0.0
100	256QAM	1	1		23.79		22.5	1.5
Channel				58988	59000	59232	Turnup time (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dB)	
90	QPSK	1	1	23.13	23.05	23.05	24.0	0.0
Channel				59123	59100	59146	Turnup time (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dB)	
80	QPSK	1	1	23.12	23.05	23.10	24.0	0.0
Channel				59190	59100	59100	Turnup time (dB)	
Frequency (MHz)				3735	3750	3765	(dB)	
70	QPSK	1	1	23.09	23.15	23.09	24.0	0.0
Channel				59161	59100	59110	Turnup time (dB)	
Frequency (MHz)				3730.02	3750	3769.98	(dB)	
60	QPSK	1	1	23.11	23.15	23.04	24.0	0.0
Channel				59133	59100	59100	Turnup time (dB)	
Frequency (MHz)				3725.01	3750	3774.99	(dB)	
50	QPSK	1	1	23.19	23.07	23.13	24.0	0.0
Channel				59100	59100	59100	Turnup time (dB)	
Frequency (MHz)				3720	3750	3780	(dB)	
40	QPSK	1	1	23.12	23.13	23.16	24.0	0.0
Channel				59161	59100	59110	Turnup time (dB)	
Frequency (MHz)				3715.02	3750	3784.98	(dB)	
30	QPSK	1	1	23.10	23.10	23.10	24.0	0.0
Channel				59150	59100	59100	Turnup time (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dB)	
25	QPSK	1	1	23.17	23.08	23.12	24.0	0.0
Channel				59124	59100	59100	Turnup time (dB)	
Frequency (MHz)				3710.01	3750	3789.99	(dB)	
20	QPSK	1	1	23.07	23.09	23.05	24.0	0.0
Channel				59184	59100	59110	Turnup time (dB)	
Frequency (MHz)				3707.52	3750	3792.48	(dB)	
15	QPSK	1	1	23.11	23.08	23.06	24.0	0.0
Channel				59100	59100	59100	Turnup time (dB)	
Frequency (MHz)				3705	3750	3795	(dB)	
10	QPSK	1	1	23.08	23.04	23.11	24.0	0.0

Reduced Power Mode for DSI5

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	22.42	22.47	22.50	23.5	0.0	
40	Pl2 BPSK	1	108	22.45	22.46	22.49			
40	Pl2 BPSK	1	214	22.43	22.45	22.48			
40	Pl2 BPSK	108	0	22.49	22.56	22.48			
40	Pl2 BPSK	108	54	22.48	22.46	22.45	23.5	0.0	
40	Pl2 BPSK	108	108	22.34	22.48	22.47	23.5	0.0	
40	Pl2 BPSK	216	0	22.37	22.44	22.34			
40	QPSK	1	1	22.57	22.58	22.52	23.5	0.0	
40	QPSK	1	108	22.48	22.55	22.39			
40	QPSK	1	214	22.53	22.57	22.37			
40	QPSK	108	0	21.94	22.06	21.94			
40	QPSK	108	54	22.46	22.52	22.37	23.5	0.0	
40	QPSK	108	108	21.86	22.01	21.93	23.0	0.5	
40	QPSK	216	0	21.88	21.98	21.89	23.0	0.5	
40	16QAM	1	1	21.92	22.00	21.87	23.0	0.5	
40	8QAM	1	1	20.50	20.56	20.55	21.5	2.0	
40	256QAM	1	1	18.48	18.50	18.39	19.5	4.0	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)	
35	QPSK	1	1	22.54	22.54	22.43	23.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)	(dB)	
30	QPSK	1	1	22.46	22.51	22.41	23.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	22.46	22.53	22.45	23.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	22.56	22.54	22.41	23.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	22.50	22.46	22.48	23.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	22.43	22.51	22.49	23.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	22.44	22.56	22.46	23.5	0.0	

n2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	22.64	22.70	22.84	24.0	0.0	
40	Pl2 BPSK	1	108	22.62	22.65	22.53			
40	Pl2 BPSK	1	214	22.63	22.67	22.53			
40	Pl2 BPSK	108	0	22.15	22.21	22.18			
40	Pl2 BPSK	108	54	22.54	22.62	22.81	24.0	0.0	
40	Pl2 BPSK	108	108	22.12	22.18	22.16	23.5	0.5	
40	Pl2 BPSK	216	0	22.12	22.16	22.02			
40	QPSK	1	1	22.62	22.75	22.72	24.0	0.0	
40	QPSK	1	108	22.56	22.70	22.56			
40	QPSK	1	214	22.56	22.69	22.66			
40	QPSK	108	0	21.76	21.77	21.75			
40	QPSK	108	54	22.64	22.71	22.63	24.0	0.0	
40	QPSK	108	108	21.56	21.67	21.56	23.0	1.0	
40	QPSK	216	0	21.56	21.69	21.63	23.0	1.0	
40	16QAM	1	1	21.71	21.77	21.74	23.0	1.0	
40	64QAM	1	1	20.08	20.22	20.10	21.5	2.5	
40	256QAM	1	1	18.17	18.27	18.24	19.5	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)	
35	QPSK	1	1	22.48	22.65	22.64	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)	(dB)	
30	QPSK	1	1	22.56	22.64	22.62	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	22.54	22.67	22.84	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	22.48	22.67	22.66	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	22.15	22.68	22.63	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	22.49	22.61	22.80	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	22.49	22.70	22.84	24.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				508000	507000	510000			
Frequency (MHz)				2500	2535	2550			
40	Pl2 BPSK	1	1	22.79	22.75	22.71	23.5	0.0	
40	Pl2 BPSK	1	108	22.69	22.84	22.82			
40	Pl2 BPSK	1	214	22.79	22.87	22.81			
40	Pl2 BPSK	108	0	22.77	22.82	22.75			
40	Pl2 BPSK	108	54	22.76	22.76	22.75	23.5	0.0	
40	Pl2 BPSK	108	108	22.76	22.85	22.78	23.5	0.0	
40	Pl2 BPSK	216	0	22.80	22.87	22.78	23.5	0.0	
40	QPSK	1	1	22.84	22.88	22.85	23.5	0.0	
40	QPSK	1	108	22.77	22.77	22.82			
40	QPSK	1	214	22.74	22.79	22.82			
40	QPSK	108	0	22.26	22.54	22.33			
40	QPSK	108	54	22.76	22.80	22.75	23.5	0.0	
40	QPSK	108	108	22.24	22.30	22.19	23.0	0.5	
40	QPSK	216	0	22.17	22.28	22.16	23.0	0.5	
40	16QAM	1	1	22.26	22.28	22.15	23.0	0.5	
40	64QAM	1	1	20.76	20.86	20.76	21.5	2.0	
40	256QAM	1	1	18.81	18.88	18.78	19.5	4.0	
Channel				509500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	(dBm)	(dB)	
35	QPSK	1	1	22.78	22.76	22.76	23.5	0.0	
Channel				509000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	22.76	22.86	22.79	23.5	0.0	
Channel				508500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	22.73	22.77	22.72	23.5	0.0	
Channel				508000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	22.77	22.86	22.72	23.5	0.0	
Channel				507500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	22.80	22.76	22.73	23.5	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	22.77	22.81	22.82	23.5	0.0	
Channel				506500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	22.72	22.86	22.79	23.5	0.0	

n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	20.40	20.49	20.32	21.5	0.0	
40	PI2 BPSK	1	108	20.38	20.43	20.46			
40	PI2 BPSK	1	214	20.33	20.37	20.34			
40	PI2 BPSK	108	0	20.39	20.39	20.38	21.5	0.0	
40	PI2 BPSK	108	54	20.41	20.41	20.40	21.5	0.0	
40	PI2 BPSK	108	108	20.30	20.37	20.35	21.5	0.0	
40	PI2 BPSK	216	0	20.33	20.39	20.42			
40	QPSK	1	1	20.45	20.50	20.47			
40	QPSK	1	108	20.44	20.40	20.33	21.5	0.0	
40	QPSK	1	214	20.44	20.43	20.34	21.5	0.0	
40	QPSK	108	0	20.34	20.44	20.34			
40	QPSK	108	54	20.45	20.47	20.45			
40	QPSK	108	108	20.40	20.37	20.44	21.5	0.0	
40	QPSK	216	0	20.34	20.43	20.33	21.5	0.0	
40	16QAM	1	1	20.38	20.48	20.32			
40	64QAM	1	1	19.87	19.97	19.92			
40	256QAM	1	1	18.29	18.34	18.20	19.5	2.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	(dB)	(dB)	
35	QPSK	1	1	20.40	20.35	20.39	21.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dB)	(dB)	
30	QPSK	1	1	20.30	20.30	20.44	21.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dB)	(dB)	
25	QPSK	1	1	20.38	20.47	20.40	21.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	(dB)	(dB)	
20	QPSK	1	1	20.38	20.46	20.46	21.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dB)	(dB)	
15	QPSK	1	1	20.44	20.38	20.43	21.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dB)	(dB)	
10	QPSK	1	1	20.39	20.40	20.45	21.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dB)	(dB)	
5	QPSK	1	1	20.37	20.35	20.37	21.5	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	22.58	22.64	22.68	23.5	0.0	
40	PI2 BPSK	1	108	22.61	22.76	22.62			
40	PI2 BPSK	1	214	22.57	22.70	22.64			
40	PI2 BPSK	108	0	22.60	22.76	22.56	23.5	0.0	
40	PI2 BPSK	108	54	22.59	22.67	22.62	23.5	0.0	
40	PI2 BPSK	108	108	22.59	22.62	22.65			
40	PI2 BPSK	216	0	22.55	22.65	22.62			
40	QPSK	1	1	22.65	22.77	22.59	23.5	0.0	
40	QPSK	1	108	22.56	22.65	22.57			
40	QPSK	1	214	22.57	22.70	22.65			
40	QPSK	108	0	22.56	22.72	22.56	23.0	0.5	
40	QPSK	108	54	22.57	22.67	22.57	23.5	0.0	
40	QPSK	108	108	22.11	22.26	22.20			
40	QPSK	216	0	22.19	22.27	22.17			
40	16QAM	1	1	22.07	22.22	22.13	23.0	0.5	
40	64QAM	1	1	20.69	20.76	20.61	21.5	2.0	
40	256QAM	1	1	18.68	18.70	18.59	19.5	4.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5	(dB)	(dB)	
35	QPSK	1	1	22.63	22.64	22.61	23.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	(dB)	(dB)	
30	QPSK	1	1	22.60	22.62	22.62	23.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	(dB)	(dB)	
25	QPSK	1	1	22.63	22.71	22.62	23.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	(dB)	(dB)	
20	QPSK	1	1	22.54	22.71	22.61	23.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	(dB)	(dB)	
15	QPSK	1	1	22.65	22.75	22.65	23.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	(dB)	(dB)	
10	QPSK	1	1	22.65	22.65	22.62	23.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	(dB)	(dB)	
5	QPSK	1	1	22.65	22.70	22.63	23.5	0.0	

n25_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	22.78	22.90	22.87	24.0	0.0	
40	PI2 BPSK	1	108	22.69	22.82	22.68			
40	PI2 BPSK	1	214	22.80	22.88	22.74			
40	PI2 BPSK	108	0	22.43	22.47	22.39	23.5	0.5	
40	PI2 BPSK	108	54	22.83	22.93	22.79	24.0	0.0	
40	PI2 BPSK	108	108	22.27	22.42	22.27	23.5	0.5	
40	PI2 BPSK	216	0	22.38	22.49	22.37			
40	QPSK	1	1	22.91	22.99	22.95			
40	QPSK	1	108	22.90	22.91	22.76	24.0	0.0	
40	QPSK	1	214	22.86	22.94	22.85	23.0	1.0	
40	QPSK	108	0	21.77	21.87	21.80			
40	QPSK	108	54	22.93	22.98	22.79			
40	QPSK	108	108	21.78	21.90	21.75	23.0	1.0	
40	QPSK	216	0	21.82	21.93	21.81	23.0	1.0	
40	16QAM	1	1	21.84	21.92	21.84			
40	64QAM	1	1	20.44	20.45	20.43			
40	256QAM	1	1	18.50	18.56	18.45	19.5	4.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5	(dB)	(dB)	
35	QPSK	1	1	22.63	22.90	22.85	24.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	(dB)	(dB)	
30	QPSK	1	1	22.76	22.93	22.83	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	(dB)	(dB)	
25	QPSK	1	1	22.85	22.94	22.89	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	(dB)	(dB)	
20	QPSK	1	1	22.76	22.84	22.81	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	(dB)	(dB)	
15	QPSK	1	1	22.77	22.85	22.80	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	(dB)	(dB)	
10	QPSK	1	1	22.85	22.85	22.83	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	(dB)	(dB)	
5	QPSK	1	1	22.76	22.94	22.81	24.0	0.0	



n30_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	Pliz BPSK	1	1		23.15		24.0	0.0	
10	Pliz BPSK	1	26		23.09				
10	Pliz BPSK	1	50		23.12				
10	Pliz BPSK	25	0		22.67				
10	Pliz BPSK	25	14		23.13		24.0	0.0	
10	Pliz BPSK	25	27		22.69		23.5	0.5	
10	Pliz BPSK	50	0		22.65		23.5	0.5	
10	QPSK	1	1		23.18		24.0	0.0	
10	QPSK	1	26		23.12				
10	QPSK	1	50		23.07				
10	QPSK	25	0		22.22		23.0	1.0	
10	QPSK	25	14		23.10		24.0	0.0	
10	QPSK	25	27		22.18		23.0	1.0	
10	QPSK	50	0		22.15		23.0	1.0	
10	16QAM	1	1		22.00		23.0	1.0	
10	64QAM	1	1		20.55		21.5	2.5	
10	256QAM	1	1		18.53		19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1		22.97	23.11	22.99	24.0	0.0

n30_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	Pliz BPSK	1	1		21.50		22.5	0.0	
10	Pliz BPSK	1	26		21.46				
10	Pliz BPSK	1	50		21.42				
10	Pliz BPSK	25	0		21.20		22.5	0.0	
10	Pliz BPSK	25	14		21.49		22.5	0.0	
10	Pliz BPSK	25	27		21.35		22.5	0.0	
10	Pliz BPSK	50	0		20.96		22.5	0.0	
10	QPSK	1	1		21.61		22.5	0.0	
10	QPSK	1	26		21.52				
10	QPSK	1	50		21.51				
10	QPSK	25	0		21.37		22.5	0.0	
10	QPSK	25	14		21.50		22.5	0.0	
10	QPSK	25	27		21.22		22.5	0.0	
10	QPSK	50	0		21.43		22.5	0.0	
10	16QAM	1	1		21.52		22.5	0.0	
10	64QAM	1	1		20.22		21.5	1.0	
10	256QAM	1	1		18.20		19.5	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1		21.35	21.52	21.48	22.5	0.0

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				349000	349000	350000			
Frequency (MHz)				1730	1745	1760			
40	Pliz BPSK	1	1		23.28	23.40	23.30	24.0	0.0
40	Pliz BPSK	1	108		23.31	23.32	23.27		
40	Pliz BPSK	1	214		23.27	23.38	23.31		
40	Pliz BPSK	108	0		22.91	22.94	22.87		
40	Pliz BPSK	108	54		23.37	23.41	23.34	24.0	0.0
40	Pliz BPSK	108	108		22.86	22.90	22.88	23.5	0.5
40	Pliz BPSK	216	0		22.91	22.97	22.92		
40	QPSK	1	1		23.36	23.44	23.30	24.0	0.0
40	QPSK	1	108		23.32	23.40	23.27		
40	QPSK	1	214		23.29	23.37	23.29		
40	QPSK	108	0		22.24	22.38	22.37	23.0	1.0
40	QPSK	108	54		23.34	23.40	23.28	24.0	0.0
40	QPSK	108	108		22.24	22.33	22.18	23.0	1.0
40	QPSK	216	0		22.30	22.35	22.24	23.0	1.0
40	16QAM	1	1		22.34	22.37	22.34	23.0	1.0
40	64QAM	1	1		20.75	20.85	20.79	21.5	2.5
40	256QAM	1	1		18.69	18.80	18.69	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1		23.29	23.39	23.22	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1		23.21	23.34	23.18	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1		23.31	23.31	23.23	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1		23.21	23.38	23.25	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1		23.27	23.52	23.17	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1		23.28	23.34	23.24	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1		23.21	23.31	23.22	24.0	0.0



n66_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	35000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.93	22.95	22.92			
40	Pl2 BPSK	1	108	22.89	23.00	22.90	24.0	0.0	
40	Pl2 BPSK	1	214	22.90	22.91	22.84			
40	Pl2 BPSK	108	0	22.51	22.57	22.56		23.5	
40	Pl2 BPSK	108	54	22.90	22.94	22.87	24.0	0.0	
40	Pl2 BPSK	108	108	22.36	22.51	22.48	23.5	0.5	
40	Pl2 BPSK	216	0	22.33	22.48	22.36			
40	QPSK	1	1	22.57	23.02	22.90			
40	QPSK	1	108	22.87	23.00	22.85	24.0	0.0	
40	QPSK	1	214	22.94	22.97	22.84	23.0	1.0	
40	QPSK	108	0	22.96	22.09	22.06			
40	QPSK	108	54	22.98	22.99	22.97		24.0	
40	QPSK	108	108	22.09	22.10	21.97	23.0	1.0	
40	QPSK	216	0	22.01	22.05	21.97	23.0	1.0	
40	8QAM	1	1	21.91	21.96	21.91			
40	8QAM	1	1	20.40	20.55	20.42		21.5	
40	256QAM	1	1	18.44	18.59	18.49	19.5	4.5	
Channel				34500	34900	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5	(dBm)	(dB)	
35	QPSK	1	1	22.91	22.90	22.80	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	22.09	22.01	22.80	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	22.86	22.94	22.76	24.0	0.0	
Channel				348000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	22.90	22.91	22.85	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	22.57	22.88	22.76	24.0	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	22.84	22.96	22.76	24.0	0.0	
Channel				375000	375000	375000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	22.83	22.94	22.79	24.0	0.0	

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	34000	24.0	0.0	
Frequency (MHz)				1702.5	1702.5	1702.5			
15	Pl2 BPSK	1	1	23.40	23.40	23.40			
15	Pl2 BPSK	1	40	23.33	23.33	23.33	23.5	0.5	
15	Pl2 BPSK	1	77	23.35	23.35	23.35			
15	Pl2 BPSK	36	0	22.88	22.88	22.88		23.5	
15	Pl2 BPSK	36	22	23.35	23.35	23.35	24.0	0.0	
15	Pl2 BPSK	36	43	22.85	22.85	22.85	23.5	0.5	
15	Pl2 BPSK	75	0	22.90	22.90	22.90			
15	QPSK	1	1	23.42	23.42	23.42			
15	QPSK	1	40	23.35	23.35	23.35	24.0	0.0	
15	QPSK	1	77	23.31	23.31	23.31	23.0	1.0	
15	QPSK	36	0	22.90	22.90	22.90			
15	QPSK	36	22	23.37	23.37	23.37		24.0	
15	QPSK	36	43	22.44	22.44	22.44	23.0	1.0	
15	QPSK	75	0	22.48	22.48	22.48	23.0	1.0	
15	8QAM	1	1	22.49	22.49	22.49			
15	8QAM	1	1	21.00	21.00	21.00		21.5	
15	256QAM	1	1	19.00	19.00	19.00	19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)	
10	QPSK	1	1	23.32	23.36	23.30	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)	
5	QPSK	1	1	23.31	23.35	23.31	24.0	0.0	

n70_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	34000	23.5	0.0	
Frequency (MHz)				1702.5	1702.5	1702.5			
15	Pl2 BPSK	1	1	22.87	22.87	22.87			
15	Pl2 BPSK	1	40	22.89	22.89	22.89	23.5	0.0	
15	Pl2 BPSK	1	77	22.79	22.79	22.79			
15	Pl2 BPSK	36	0	22.74	22.74	22.74		23.5	
15	Pl2 BPSK	36	22	22.77	22.77	22.77	23.5	0.0	
15	Pl2 BPSK	36	43	22.76	22.76	22.76	23.5	0.0	
15	Pl2 BPSK	75	0	22.75	22.75	22.75			
15	QPSK	1	1	22.80	22.80	22.80			
15	QPSK	1	40	22.89	22.89	22.89	23.5	0.0	
15	QPSK	1	77	22.85	22.85	22.85	23.0	0.5	
15	QPSK	36	0	22.40	22.40	22.40			
15	QPSK	36	22	22.70	22.70	22.70		23.5	
15	QPSK	36	43	22.41	22.41	22.41	23.0	0.5	
15	QPSK	75	0	22.48	22.48	22.48	23.0	0.5	
15	8QAM	1	1	22.38	22.38	22.38			
15	8QAM	1	1	20.90	20.90	20.90		21.5	
15	256QAM	1	1	19.85	19.85	19.85	19.5	4.0	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)	
10	QPSK	1	1	22.76	22.75	22.75	23.5	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)	
5	QPSK	1	1	22.74	22.74	22.69	23.5	0.0	



n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	518000	519996			
				2580.02	2585	2589.98			
40	Pl2 BPSK	1	1	22.57	22.53	22.58			
40	Pl2 BPSK	1	53	22.51	22.65	22.47	23.5	0.0	
40	Pl2 BPSK	1	104	22.45	22.62	22.47			
40	Pl2 BPSK	50	0	22.53	22.53	22.59	23.5	0.0	
40	Pl2 BPSK	50	28	22.47	22.61	22.61	23.5	0.0	
40	Pl2 BPSK	50	56	22.46	22.56	22.47			
40	Pl2 BPSK	100	0	22.52	22.63	22.50	23.5	0.0	
40	QPSK	1	1	22.50	22.58	22.62			
40	QPSK	1	53	22.48	22.58	22.55	23.5	0.0	
40	QPSK	1	104	22.47	22.59	22.47			
40	QPSK	50	0	22.39	22.49	22.36	23.5	0.0	
40	QPSK	50	28	22.38	22.63	22.52	23.5	0.0	
40	QPSK	50	56	22.43	22.45	22.30			
40	QPSK	100	0	22.29	22.40	22.35	23.5	0.0	
40	16QAM	1	1	22.36	22.48	22.39	23.5	0.0	
40	64QAM	1	1	20.96	21.00	20.94	22.0	1.5	
40	256QAM	1	1	18.94	18.96	18.87	20.0	3.5	
Channel									
Frequency (MHz)				517002 <th>518000<th>520998</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	518000 <th>520998</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	520998	Tune-up limit (dBm)	MPR (dB)	
				2582.01 <th>2590<th>2604.99<th><th colspan="2"></th></th></th></th>	2590 <th>2604.99<th><th colspan="2"></th></th></th>	2604.99 <th><th colspan="2"></th></th>	<th colspan="2"></th>		
30	QPSK	1	1	22.49	22.53	22.48	23.5	0.0	
Channel									
Frequency (MHz)				518004 <th>519000<th>521498<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	519000 <th>521498<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	521498 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
				2582.52 <th>2595<th>2607.48<th><th colspan="2"></th></th></th></th>	2595 <th>2607.48<th><th colspan="2"></th></th></th>	2607.48 <th><th colspan="2"></th></th>	<th colspan="2"></th>		
25	QPSK	1	1	22.51	22.54	22.55	23.5	0.0	
Channel									
Frequency (MHz)				518000 <th>519000<th>522000</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	519000 <th>522000</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	522000	Tune-up limit (dBm)	MPR (dB)	
				2580 <th>2595<th>2610<th><th colspan="2"></th></th></th></th>	2595 <th>2610<th><th colspan="2"></th></th></th>	2610 <th><th colspan="2"></th></th>	<th colspan="2"></th>		
20	QPSK	1	1	22.47	22.65	22.47	23.5	0.0	
Channel									
Frequency (MHz)				515502 <th>518000<th>522498</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	518000 <th>522498</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	522498	Tune-up limit (dBm)	MPR (dB)	
				2574.51 <th>2595<th>2612.49<th><th colspan="2"></th></th></th></th>	2595 <th>2612.49<th><th colspan="2"></th></th></th>	2612.49 <th><th colspan="2"></th></th>	<th colspan="2"></th>		
15	QPSK	1	1	22.55	22.53	22.56	23.5	0.0	
Channel									
Frequency (MHz)				2575.02 <th>2595<th>2614.98</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2595 <th>2614.98</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2614.98	Tune-up limit (dBm)	MPR (dB)	
				2575.02 <th>2595<th>2614.98</th><th><th colspan="2"></th></th></th>	2595 <th>2614.98</th> <th><th colspan="2"></th></th>	2614.98	<th colspan="2"></th>		
10	QPSK	1	1	22.53	22.58	22.59	23.5	0.0	

n38_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519998			
Frequency (MHz)				2580.02	2585	2589.98			
40	Pl2 BPSK	1	1	20.19	20.24	20.22			
40	Pl2 BPSK	1	53	20.16	20.21	20.15	21.5	0.0	
40	Pl2 BPSK	1	104	20.13	20.21	20.29			
40	Pl2 BPSK	50	0	20.20	20.34	20.22	21.5	0.0	
40	Pl2 BPSK	50	28	20.21	20.24	20.28	21.5	0.0	
40	Pl2 BPSK	50	56	20.23	20.20	20.20			
40	Pl2 BPSK	100	0	20.25	20.33	20.28	21.5	0.0	
40	QPSK	1	1	20.28	20.35	20.30			
40	QPSK	1	53	20.25	20.27	20.17	21.5	0.0	
40	QPSK	1	104	20.23	20.26	20.15			
40	QPSK	50	0	20.13	20.25	20.21	21.5	0.0	
40	QPSK	50	28	20.21	20.30	20.26	21.5	0.0	
40	QPSK	50	56	20.20	20.22	20.15			
40	QPSK	100	0	20.23	20.28	20.24	21.5	0.0	
40	16QAM	1	1	20.22	20.21	20.17	21.5	0.0	
40	64QAM	1	1	20.19	20.20	20.12	21.5	0.0	
40	256QAM	1	1	18.03	18.18	18.10	19.5	2.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.01	2595	2604.99			
30	QPSK	1	1	20.27	20.20	20.16	21.5	0.0	
Channel				518004	519000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.17	20.22	20.22	21.5	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.14	20.29	20.15	21.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2574.51	2595	2612.49			
15	QPSK	1	1	20.18	20.20	20.28	21.5	0.0	
Channel				518004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.25	20.27	20.20	21.5	0.0	

FCC_n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506002	518000	528000			
				2546.01	2582.99	2640			
100	Pl2 BPSK	1	1	22.91	22.93	22.86			
100	Pl2 BPSK	1	137	22.83	22.88	22.84	23.5	0.0	
100	Pl2 BPSK	1	271	22.78	22.85	22.91			
100	Pl2 BPSK	135	0	22.77	22.97	22.86	23.5	0.0	
100	Pl2 BPSK	135	69	22.84	22.88	22.85	23.5	0.0	
100	Pl2 BPSK	135	138	22.91	22.97	22.83			
100	Pl2 BPSK	270	0	22.80	22.92	22.87	23.5	0.0	
100	QPSK	1	1	22.92	23.00	22.95			
100	QPSK	1	137	22.77	22.97	22.88	23.5	0.0	
100	QPSK	1	271	22.79	22.89	22.80			
100	QPSK	135	0	22.91	22.99	22.92	23.5	0.0	
100	QPSK	135	69	22.89	22.94	22.88	23.5	0.0	
100	QPSK	135	138	22.82	22.95	22.88			
100	QPSK	270	0	22.90	22.97	22.94	23.5	0.0	
100	16QAM	1	1	22.79	22.88	22.86	23.5	0.0	
100	64QAM	1	1	22.84	22.85	22.85	23.5	0.0	
100	256QAM	1	1	22.38	22.40	22.33	23.0	0.5	
Channel									
Frequency (MHz)				3541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	22.88	22.88	22.81	23.5	0.0	
Channel									
Frequency (MHz)				507204	518000	529998	Tune-up limit (dBm)	MPR (dB)	
				2544.01	2582.99	2649.99			
80	QPSK	1	1	22.85	22.88	22.80	23.5	0.0	
Channel									
Frequency (MHz)				508000	518000	531000	Tune-up limit (dBm)	MPR (dB)	
				2531.01	2592.99	2655			
70	QPSK	1	1	22.81	22.97	22.86	23.5	0.0	
Channel									
Frequency (MHz)				508000	518000	531998	Tune-up limit (dBm)	MPR (dB)	
				2536	2582.99	2651.98			
60	QPSK	1	1	22.78	22.95	22.82	23.5	0.0	
Channel									
Frequency (MHz)				504004	518000	532998	Tune-up limit (dBm)	MPR (dB)	
				2512.01	2592.99	2649.98			
50	QPSK	1	1	22.90	22.92	22.93	23.5	0.0	
Channel									
Frequency (MHz)				503002	518000	534000	Tune-up limit (dBm)	MPR (dB)	
				2514.01	2592.99	2670			
40	QPSK	1	1	22.80	22.99	22.81	23.5	0.0	
Channel									
Frequency (MHz)				502000	518000	534998	Tune-up limit (dBm)	MPR (dB)	
				2511	2592.99	2674.98			
30	QPSK	1	1	22.78	22.91	22.87	23.5	0.0	
Channel									
Frequency (MHz)				501000	518000	535998	Tune-up limit (dBm)	MPR (dB)	
				2508.02	2592.99	2670.99			
25	QPSK	1	1	22.83	22.97	22.80	23.5	0.0	
Channel									
Frequency (MHz)				500000	518000	536998	Tune-up limit (dBm)	MPR (dB)	
				2503.05	2592.99	2682.48			
15	QPSK	1	1	22.86	22.90	22.91	23.5	0.0	
Channel									
Frequency (MHz)				500100	518000	537000	Tune-up limit (dBm)	MPR (dB)	
				2501.01	2592.99	2685			
10	QPSK	1	1	22.81	22.92	22.81	23.5	0.0	



FCC_n41(HPUE)_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				500202	518598	536002	28.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	Pl2 BPSK	1	1	25.58	25.64	25.66	28.5	0.0
100	Pl2 BPSK	1	137	25.65	25.63	25.59		
100	Pl2 BPSK	1	271	25.58	25.61	25.59		
100	Pl2 BPSK	135	0	25.62	25.71	25.57	28.5	0.0
100	Pl2 BPSK	135	69	25.53	25.70	25.68	28.5	0.0
100	Pl2 BPSK	135	138	25.57	25.64	25.55	28.5	0.0
100	Pl2 BPSK	270	0	25.58	25.73	25.58		
100	QPSK	1	1	25.68	25.75	25.70		
100	QPSK	1	137	25.54	25.68	25.67	28.5	0.0
100	QPSK	1	271	25.57	25.62	25.68		
100	QPSK	135	0	25.41	25.47	25.31	28.5	0.0
100	QPSK	135	69	25.75	25.73	25.67	28.5	0.0
100	QPSK	135	138	25.17	25.23	25.07	28.5	0.0
100	QPSK	270	0	25.37	25.43	25.28		
100	16QAM	1	1	25.94	25.58	25.41	28.5	0.0
100	8QAM	1	1	24.11	24.14	23.95	23.0	1.5
100	256QAM	1	1	22.11	22.13	21.95	23.0	3.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	28.5	0.0
90	QPSK	1	1	25.65	25.74	25.61		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2648.98	28.5	0.0
80	QPSK	1	1	25.54	25.61	25.65		
Channel				506202	518598	531002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	28.5	0.0
70	QPSK	1	1	25.56	25.63	25.61		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2486	2592.99	2668.98	28.5	0.0
60	QPSK	1	1	25.51	25.63	25.65		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2684.98	28.5	0.0
50	QPSK	1	1	25.53	25.63	25.58		
Channel				503202	518598	534002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	28.5	0.0
40	QPSK	1	1	25.59	25.70	25.69		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2491	2592.99	2674.98	28.5	0.0
30	QPSK	1	1	25.53	25.71	25.55		
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.61	2592.99	2677.5	28.5	0.0
25	QPSK	1	1	25.67	25.69	25.68		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2678.98	28.5	0.0
20	QPSK	1	1	25.58	25.74	25.64		
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	28.5	0.0
15	QPSK	1	1	25.62	25.63	25.59		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2494.91	2592.99	2685	28.5	0.0
10	QPSK	1	1	25.58	25.70	25.59		



FCC_n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	536900			
Frequency (MHz)				2546.01	2592.99	2646			
100	PI2 BPSK	1	1	20.25	20.36	20.29			
100	PI2 BPSK	1	137	20.36	20.30	20.30	21.5	0.0	
100	PI2 BPSK	1	271	20.31	20.35	20.28			
100	PI2 BPSK	135	0	20.30	20.38	20.22	21.5	0.0	
100	PI2 BPSK	135	69	20.36	20.41	20.32	21.5	0.0	
100	PI2 BPSK	135	138	20.36	20.40	20.25	21.5	0.0	
100	PI2 BPSK	270	0	20.27	20.34	20.28			
100	QPSK	1	1	20.32	20.42	20.35			
100	QPSK	1	137	20.28	20.34	20.21	21.5	0.0	
100	QPSK	1	271	20.27	20.41	20.22			
100	QPSK	135	0	20.30	20.38	20.22	21.5	0.0	
100	QPSK	135	69	20.29	20.30	20.30	21.5	0.0	
100	QPSK	135	138	20.29	20.27	20.31	21.5	0.0	
100	QPSK	270	0	20.24	20.34	20.20			
100	16QAM	1	1	20.30	20.32	20.21	21.5	0.0	
100	16QAM	1	1	20.34	20.28	20.22	21.5	0.0	
100	256QAM	1	1	20.30	20.30	20.26	21.5	0.0	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.32	20.30	20.33	21.5	0.0	
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	20.36	20.31	20.31	21.5	0.0	
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.32	20.41	20.20	21.5	0.0	
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	20.25	20.37	20.29	21.5	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.24	20.34	20.28	21.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.32	20.28	20.30	21.5	0.0	
Channel				502200	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.30	20.29	20.27	21.5	0.0	
Channel				501702	518598	535900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.01	2592.99	2677.5			
25	QPSK	1	1	20.25	20.30	20.31	21.5	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.26	20.34	20.28	21.5	0.0	
Channel				500700	518598	535900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.36	20.29	20.20	21.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2491.01	2592.99	2686			
10	QPSK	1	1	20.37	20.30	20.26	21.5	0.0	

FCC_n41(HPUE)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	526900			
Frequency (MHz)				2546.01	2592.99	2650			
100	PI2 BPSK	1	1	23.51	23.54	23.56			
100	PI2 BPSK	1	137	23.39	23.60	23.53	24.5	0.0	
100	PI2 BPSK	1	271	23.43	23.56	23.44			
100	PI2 BPSK	135	0	23.44	23.48	23.45	24.5	0.0	
100	PI2 BPSK	135	69	23.47	23.51	23.54	24.5	0.0	
100	PI2 BPSK	135	138	23.50	23.50	23.45	24.5	0.0	
100	PI2 BPSK	270	0	23.42	23.61	23.43			
100	QPSK	1	1	23.55	23.62	23.57			
100	QPSK	1	137	23.51	23.49	23.45	24.5	0.0	
100	QPSK	1	271	23.45	23.55	23.49			
100	QPSK	135	0	23.46	23.60	23.42	24.5	0.0	
100	QPSK	135	69	23.49	23.61	23.51	24.5	0.0	
100	QPSK	135	138	23.38	23.55	23.45	24.5	0.0	
100	QPSK	270	0	23.46	23.50	23.43			
100	16QAM	1	1	23.49	23.54	23.54	24.5	0.0	
100	16QAM	1	1	23.38	23.46	23.22	24.5	0.0	
100	256QAM	1	1	21.24	21.55	21.32	22.5	2.0	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.40	23.51	23.44	24.5	0.0	
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.45	23.49	23.53	24.5	0.0	
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.39	23.48	23.46	24.5	0.0	
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	23.44	23.56	23.51	24.5	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.30	23.40	23.45	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.51	23.61	23.50	24.5	0.0	
Channel				502200	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.38	23.50	23.55	24.5	0.0	
Channel				501702	518598	535900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.01	2592.99	2677.5			
25	QPSK	1	1	23.35	23.54	23.53	24.5	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.40	23.50	23.55	24.5	0.0	
Channel				500700	518598	535900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.42	23.58	23.49	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2491.01	2592.99	2686			
10	QPSK	1	1	23.52	23.57	23.46	24.5	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [Hz]	Power Mid Ch. F [Hz]	Power High Ch. F [Hz]	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				63600	64166	64633			
40	PQ2 BPSK	1	1	19.76	19.80	19.87			
40	PQ2 BPSK	1	53	19.74	19.82	19.88	20.5	0.0	
40	PQ2 BPSK	1	104	19.71	19.83	19.88			
40	PQ2 BPSK	50	0	19.76	19.75	19.79	20.5	0.0	
40	PQ2 BPSK	50	26	19.70	19.71	19.65	20.5	0.0	
40	PQ2 BPSK	50	50	19.83	19.81	19.79			
40	PQ2 BPSK	100	0	19.72	19.83	19.77	20.5	0.0	
40	QPSK	1	1	19.76	19.85	19.80			
40	QPSK	1	53	19.72	19.77	19.76	20.5	0.0	
40	QPSK	1	104	19.65	19.77	19.77			
40	QPSK	50	0	19.74	19.75	19.72	20.5	0.0	
40	QPSK	50	26	19.77	19.83	19.77	20.5	0.0	
40	QPSK	50	50	19.75	19.82	19.89	20.5	0.0	
40	QPSK	100	0	19.65	19.80	19.79			
40	16QAM	1	1	19.67	19.77	19.76	20.5	0.0	
40	64QAM	1	1	19.73	19.77	19.75	20.5	0.0	
40	256QAM	1	1	19.84	19.90	19.86	19.5	1.0	
Channel				63600	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99	(dBm)	(dB)	
30	QPSK	1	1	19.76	19.84	19.86	20.5	0.0	
Channel				63624	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3630	(dBm)	(dB)	
20	QPSK	1	1	19.74	19.75	19.79	20.5	0.0	
Channel				63694	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3662.49	(dBm)	(dB)	
15	QPSK	1	1	19.77	19.78	19.79	20.5	0.0	
Channel				63700	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3664.98	(dBm)	(dB)	
10	QPSK	1	1	19.66	19.78	19.77	20.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [Hz]	Power Mid Ch. F [Hz]	Power High Ch. F [Hz]	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				63600	64166	64633			
40	PQ2 BPSK	1	1	19.64	19.69	19.55			
40	PQ2 BPSK	1	53	19.56	19.58	19.41	20.5	0.0	
40	PQ2 BPSK	1	104	19.53	19.50	19.36			
40	PQ2 BPSK	50	0	19.42	19.43	19.40	20.5	0.0	
40	PQ2 BPSK	50	26	19.58	19.59	19.50	20.5	0.0	
40	PQ2 BPSK	50	50	19.44	19.44	19.44	20.5	0.0	
40	PQ2 BPSK	100	0	19.51	19.51	19.37			
40	QPSK	1	1	19.73	19.70	19.67			
40	QPSK	1	53	19.66	19.68	19.59	20.5	0.0	
40	QPSK	1	104	19.65	19.65	19.61			
40	QPSK	50	0	19.52	19.53	19.50	20.5	0.0	
40	QPSK	50	26	19.55	19.58	19.55	20.5	0.0	
40	QPSK	50	50	19.56	19.54	19.54	20.5	0.0	
40	QPSK	100	0	19.56	19.52	19.51			
40	16QAM	1	1	19.52	19.58	19.54	20.5	0.0	
40	64QAM	1	1	19.68	19.67	19.60	20.5	0.0	
40	256QAM	1	1	18.83	18.92	18.93	19.5	1.0	
Channel				63600	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99	(dBm)	(dB)	
30	QPSK	1	1	19.62	19.63	19.58	20.5	0.0	
Channel				63624	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3630	(dBm)	(dB)	
20	QPSK	1	1	19.67	19.68	19.55	20.5	0.0	
Channel				63694	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3662.49	(dBm)	(dB)	
15	QPSK	1	1	19.66	19.67	19.57	20.5	0.0	
Channel				63700	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3664.98	(dBm)	(dB)	
10	QPSK	1	1	19.66	19.68	19.53	20.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [Hz]	Power Mid Ch. F [Hz]	Power High Ch. F [Hz]	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				63600	64166	64633			
40	PQ2 BPSK	1	1	19.06	19.06	19.09			
40	PQ2 BPSK	1	53	18.91	19.01	18.89	20.0	0.0	
40	PQ2 BPSK	1	104	18.87	19.00	18.84			
40	PQ2 BPSK	50	0	18.88	19.00	18.86	20.0	0.0	
40	PQ2 BPSK	50	26	18.92	19.06	18.87	20.0	0.0	
40	PQ2 BPSK	50	50	18.79	18.96	18.89	20.0	0.0	
40	PQ2 BPSK	100	0	18.89	19.06	18.77			
40	QPSK	1	1	19.07	19.20	19.11			
40	QPSK	1	53	18.94	19.14	19.03	20.0	0.0	
40	QPSK	1	104	19.03	19.10	18.97			
40	QPSK	50	0	18.93	19.03	18.92	20.0	0.0	
40	QPSK	50	26	18.95	19.13	18.95	20.0	0.0	
40	QPSK	50	50	18.88	19.01	18.93	20.0	0.0	
40	QPSK	100	0	18.85	19.05	18.89			
40	16QAM	1	1	19.07	19.14	19.06	20.0	0.0	
40	64QAM	1	1	19.07	19.05	18.96	20.0	0.0	
40	256QAM	1	1	17.56	17.59	17.58	19.5	0.5	
Channel				63600	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99	(dBm)	(dB)	
30	QPSK	1	1	19.06	19.13	18.96	20.0	0.0	
Channel				63624	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3630	(dBm)	(dB)	
20	QPSK	1	1	19.07	19.13	18.96	20.0	0.0	
Channel				63694	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3662.49	(dBm)	(dB)	
15	QPSK	1	1	19.01	19.07	18.99	20.0	0.0	
Channel				63700	64166	64633	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3664.98	(dBm)	(dB)	
10	QPSK	1	1	19.04	19.12	18.99	20.0	0.0	



n48_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel				636000	641666	645332	
Frequency (MHz)				19.53	19.73	19.93	
40	PI2 BPSK	1	1	19.53	19.73	19.93	
40	PI2 BPSK	1	53	19.51	19.68	19.54	20.5
40	PI2 BPSK	1	104	19.58	19.64	19.54	
40	PI2 BPSK	50	5	19.53	19.65	19.48	20.5
40	PI2 BPSK	50	26	19.60	19.70	19.60	20.5
40	PI2 BPSK	50	56	19.51	19.85	19.48	
40	PI2 BPSK	100	5	19.45	19.83	19.53	20.5
40	QPSK	1	1	19.73	19.84	19.76	
40	QPSK	1	53	19.64	19.75	19.65	20.5
40	QPSK	1	104	19.69	19.72	19.65	
40	QPSK	50	5	19.63	19.70	19.63	20.5
40	QPSK	50	26	19.71	19.76	19.73	20.5
40	QPSK	50	56	19.62	19.85	19.63	
40	QPSK	100	5	19.60	19.70	19.63	20.5
40	ISQAM	1	1	19.72	19.75	19.63	20.5
40	ISQAM	1	1	19.65	19.72	19.69	20.5
40	256QAM	1	1	18.99	19.09	19.38	19.5
Channel				637000	641666	645332	20.5
Frequency (MHz)				19.55	19.74	19.66	20.5
30	QPSK	1	1	19.72	19.74	19.66	20.5
Channel				637211	641666	645332	20.5
Frequency (MHz)				19.55	19.74	19.66	20.5
20	QPSK	1	1	19.66	19.73	19.65	20.5
Channel				637410	641666	645332	20.5
Frequency (MHz)				19.66	19.73	19.65	20.5
15	QPSK	1	1	19.71	19.75	19.71	20.5
Channel				637610	641666	645332	20.5
Frequency (MHz)				19.66	19.73	19.73	20.5
10	QPSK	1	1	19.66	19.73	19.73	20.5

Part27Q_n77_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel				633000	633332		
Frequency (MHz)				19.73	19.73		
100	PI2 BPSK	1	1	19.73	19.73		
100	PI2 BPSK	1	137	19.59	19.59		20.5
100	PI2 BPSK	1	271	19.46	19.46		
100	PI2 BPSK	135	0	19.46	19.46		20.5
100	PI2 BPSK	135	69	19.55	19.55		20.5
100	PI2 BPSK	135	138	19.52	19.52		20.5
100	PI2 BPSK	270	0	19.56	19.56		20.5
100	QPSK	1	1	19.83	19.83		
100	QPSK	1	137	19.72	19.72		20.5
100	QPSK	1	271	19.74	19.74		
100	QPSK	135	0	19.59	19.59		20.5
100	QPSK	135	69	19.70	19.70		20.5
100	QPSK	135	138	19.65	19.65		20.5
100	QPSK	270	0	19.64	19.64		20.5
100	ISQAM	1	1	19.72	19.72		20.5
100	64QAM	1	1	19.69	19.69		20.5
100	256QAM	1	1	19.75	19.75		20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.67	19.69	19.80	20.5
90	QPSK	1	1	19.67	19.69	19.80	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.67	19.71	19.77	20.5
80	QPSK	1	1	19.67	19.71	19.77	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.73	19.78	19.78	20.5
70	QPSK	1	1	19.73	19.78	19.78	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.73	19.78	19.78	20.5
60	QPSK	1	1	19.67	19.70	19.77	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.71	19.74	19.76	20.5
50	QPSK	1	1	19.71	19.74	19.76	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.75	19.74	19.80	20.5
40	QPSK	1	1	19.75	19.74	19.80	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.69	19.75	19.76	20.5
30	QPSK	1	1	19.69	19.75	19.76	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.68	19.76	19.82	20.5
25	QPSK	1	1	19.68	19.76	19.82	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.72	19.72	19.78	20.5
20	QPSK	1	1	19.72	19.72	19.78	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.73	19.73	19.73	20.5
15	QPSK	1	1	19.73	19.73	19.73	20.5
Channel				633000	633332		20.5
Frequency (MHz)				19.71	19.70	19.80	20.5
10	QPSK	1	1	19.71	19.70	19.80	20.5

Part27Q_n77(HPUE)_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel				633000	633332		
Frequency (MHz)				19.73	19.73		
100	PI2 BPSK	1	1	19.73	19.73		
100	PI2 BPSK	1	137	19.59	19.59		23.5
100	PI2 BPSK	1	271	19.46	19.46		
100	PI2 BPSK	135	0	19.46	19.46		23.5
100	PI2 BPSK	135	69	19.55	19.55		23.5
100	PI2 BPSK	135	138	19.52	19.52		23.5
100	PI2 BPSK	270	0	19.56	19.56		23.5
100	QPSK	1	1	19.83	19.83		
100	QPSK	1	137	19.72	19.72		23.5
100	QPSK	1	271	19.74	19.74		
100	QPSK	135	0	19.59	19.59		23.5
100	QPSK	135	69	19.70	19.70		23.5
100	QPSK	135	138	19.65	19.65		23.5
100	QPSK	270	0	19.64	19.64		23.5
100	ISQAM	1	1	19.72	19.72		23.5
100	ISQAM	1	1	19.69	19.69		23.5
100	256QAM	1	1	19.75	19.75		23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.54	22.52	22.49	23.5
90	QPSK	1	1	22.54	22.52	22.49	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.53	22.50	22.52	23.5
80	QPSK	1	1	22.53	22.50	22.52	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.57	22.50	22.52	23.5
70	QPSK	1	1	22.57	22.50	22.52	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.51	22.53	22.46	23.5
60	QPSK	1	1	22.51	22.53	22.46	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.56	22.54	22.48	23.5
50	QPSK	1	1	22.56	22.54	22.48	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.53	22.44	22.51	23.5
40	QPSK	1	1	22.53	22.44	22.51	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.58	22.52	22.47	23.5
30	QPSK	1	1	22.58	22.52	22.47	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.54	22.53	22.47	23.5
25	QPSK	1	1	22.54	22.53	22.47	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.58	22.52	22.44	23.5
20	QPSK	1	1	22.58	22.52	22.44	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.54	22.52	22.52	23.5
15	QPSK	1	1	22.54	22.52	22.52	23.5
Channel				633000	633332		23.5
Frequency (MHz)				22.54	22.44	22.43	23.5
10	QPSK	1	1	22.54	22.44	22.43	23.5

Part270_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				3750	3540	3530			
Frequency (MHz)									
100	PQ2 BPSK	1	1	19.79	19.85	19.73			
100	PQ2 BPSK	1	137	19.71	19.76	19.69	20.5	0.0	
100	PQ2 BPSK	1	271	19.63	19.67	19.66			
100	PQ2 BPSK	135	5	19.81	19.81	19.40	20.5	0.0	
100	PQ2 BPSK	135	69	19.83	19.68	19.66	20.5	0.0	
100	PQ2 BPSK	135	138	19.84	19.61	19.51	20.5	0.0	
100	PQ2 BPSK	270	5	19.88	19.66	19.65			
100	QPSK	1	1	19.88	19.91	19.76	20.5	0.0	
100	QPSK	1	271	19.76	19.82	19.80	20.5	0.0	
100	QPSK	135	5	19.67	19.69	19.64	20.5	0.0	
100	QPSK	135	69	19.76	19.82	19.79	20.5	0.0	
100	QPSK	135	138	19.62	19.75	19.65	20.5	0.0	
100	QPSK	270	5	19.88	19.73	19.72	20.5	0.0	
100	16QAM	1	1	19.82	19.84	19.78	20.5	0.0	
100	64QAM	1	1	19.78	19.77	19.81	20.5	0.0	
100	256QAM	1	1	19.76	19.82	19.77	20.5	0.0	
Channel				3649.68	3649.68	3623.32	Tune-up test	MPR	
Frequency (MHz)				3649.68	3649.68	3623.32	(dB)		
90	QPSK	1	1	19.78	19.82	19.81	20.5	0.0	
Channel				3639.34	3639.34	3626.98	Tune-up test	MPR	
Frequency (MHz)				3639.34	3639.34	3626.98	(dB)		
80	QPSK	1	1	19.75	19.84	19.81	20.5	0.0	
Channel				3629.00	3629.00	3600.00	Tune-up test	MPR	
Frequency (MHz)				3629.00	3629.00	3600.00	(dB)		
70	QPSK	1	1	19.77	19.80	19.83	20.5	0.0	
Channel				3618.66	3618.66	3633.32	Tune-up test	MPR	
Frequency (MHz)				3618.66	3618.66	3633.32	(dB)		
60	QPSK	1	1	19.77	19.78	19.79	20.5	0.0	
Channel				3613.34	3613.34	3636.66	Tune-up test	MPR	
Frequency (MHz)				3613.34	3613.34	3636.66	(dB)		
50	QPSK	1	1	19.76	19.79	19.75	20.5	0.0	
Channel				3603.00	3603.00	3640.00	Tune-up test	MPR	
Frequency (MHz)				3603.00	3603.00	3640.00	(dB)		
40	QPSK	1	1	19.75	19.83	19.77	20.5	0.0	
Channel				3592.66	3592.66	3643.32	Tune-up test	MPR	
Frequency (MHz)				3592.66	3592.66	3643.32	(dB)		
30	QPSK	1	1	19.76	19.79	19.76	20.5	0.0	
Channel				3582.32	3582.32	3646.66	Tune-up test	MPR	
Frequency (MHz)				3582.32	3582.32	3646.66	(dB)		
25	QPSK	1	1	19.80	19.79	19.82	20.5	0.0	
Channel				3571.98	3571.98	3646.66	Tune-up test	MPR	
Frequency (MHz)				3571.98	3571.98	3646.66	(dB)		
20	QPSK	1	1	19.79	19.84	19.75	20.5	0.0	
Channel				3561.64	3561.64	3648.32	Tune-up test	MPR	
Frequency (MHz)				3561.64	3561.64	3648.32	(dB)		
15	QPSK	1	1	19.78	19.80	19.79	20.5	0.0	
Channel				3551.30	3551.30	3650.00	Tune-up test	MPR	
Frequency (MHz)				3551.30	3551.30	3650.00	(dB)		
10	QPSK	1	1	19.76	19.82	19.76	20.5	0.0	

Part270_n77(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				66000	66000	66000			
Frequency (MHz)									
100	PQ2 BPSK	1	1	22.73	22.81	22.75			
100	PQ2 BPSK	1	137	22.66	22.68	22.54	23.5	0.0	
100	PQ2 BPSK	1	271	22.60	22.68	22.57			
100	PQ2 BPSK	135	5	22.46	22.66	22.52	23.5	0.0	
100	PQ2 BPSK	135	69	22.55	22.66	22.57	23.5	0.0	
100	PQ2 BPSK	135	138	22.47	22.62	22.46	23.5	0.0	
100	PQ2 BPSK	270	5	22.53	22.52	22.50			
100	QPSK	1	1	22.60	22.66	22.61			
100	QPSK	1	137	22.71	22.46	22.67	23.5	0.0	
100	QPSK	1	271	22.65	22.63	22.71			
100	QPSK	135	5	22.55	22.70	22.60	23.5	0.0	
100	QPSK	135	69	22.58	22.70	22.66	23.5	0.0	
100	QPSK	135	138	22.58	22.70	22.66	23.5	0.0	
100	QPSK	270	5	22.58	22.67	22.58			
100	16QAM	1	1	22.72	22.70	22.70	23.5	0.0	
100	64QAM	1	1	22.67	22.73	22.71	23.5	0.0	
100	256QAM	1	1	21.74	21.79	21.62	22.5	1.0	
Channel				369668	369668	369332	Tune-up test	MPR	
Frequency (MHz)				369668	3745.00	3745.00	(dB)		
90	QPSK	1	1	22.74	22.82	22.76	23.5	0.0	
Channel				369334	369334	369006	Tune-up test	MPR	
Frequency (MHz)				369334	3745.00	3745.00	(dB)		
80	QPSK	1	1	22.72	22.80	22.75	23.5	0.0	
Channel				369000	369000	369000	Tune-up test	MPR	
Frequency (MHz)				369000	3745.00	3745.00	(dB)		
70	QPSK	1	1	22.69	22.76	22.73	23.5	0.0	
Channel				368668	368668	368332	Tune-up test	MPR	
Frequency (MHz)				368668	3745.00	3745.00	(dB)		
60	QPSK	1	1	22.73	22.79	22.74	23.5	0.0	
Channel				368334	368334	368006	Tune-up test	MPR	
Frequency (MHz)				368334	3745.00	3745.00	(dB)		
50	QPSK	1	1	22.72	22.82	22.67	23.5	0.0	
Channel				368000	368000	368000	Tune-up test	MPR	
Frequency (MHz)				368000	3745.00	3745.00	(dB)		
40	QPSK	1	1	22.73	22.82	22.67	23.5	0.0	
Channel				367668	367668	367332	Tune-up test	MPR	
Frequency (MHz)				367668	3745.00	3745.00	(dB)		
30	QPSK	1	1	22.68	22.81	22.66	23.5	0.0	
Channel				367334	367334	367006	Tune-up test	MPR	
Frequency (MHz)				367334	3745.00	3745.00	(dB)		
25	QPSK	1	1	22.66	22.76	22.71	23.5	0.0	
Channel				367000	367000	367000	Tune-up test	MPR	
Frequency (MHz)				367000	3745.00	3745.00	(dB)		
20	QPSK	1	1	22.73	22.70	22.67	23.5	0.0	
Channel				366716	366716	366332	Tune-up test	MPR	
Frequency (MHz)				366716	3745.00	3745.00	(dB)		
15	QPSK	1	1	22.73	22.70	22.67	23.5	0.0	
Channel				366700	366700	366500	Tune-up test	MPR	
Frequency (MHz)				366700	3745.00	3745.00	(dB)		
10	QPSK	1	1	22.70	22.74	22.70	23.5	0.0	

Part27Q_n77_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel				633332			
Frequency [MHz]				3499.98			
100	PQ2 BPSK	1	1	20.76			
100	PQ2 BPSK	1	137	20.59			21.5
100	PQ2 BPSK	1	271	20.50			0.0
100	PQ2 BPSK	135	5	20.57			21.5
100	PQ2 BPSK	135	69	20.61			21.5
100	PQ2 BPSK	135	138	20.59			21.5
100	PQ2 BPSK	270	0	20.51			0.0
100	QPSK	1	1	20.80			
100	QPSK	1	137	20.66			21.5
100	QPSK	1	271	20.65			0.0
100	QPSK	135	5	20.63			21.5
100	QPSK	135	69	20.66			21.5
100	QPSK	135	138	20.63			21.5
100	QPSK	270	0	20.63			0.0
100	64QAM	1	1	20.72			21.5
100	64QAM	1	1	20.67			21.5
100	256QAM	1	1	20.74			21.5
Channel				633600	633600		
Frequency [MHz]				3495	3499.98	3504.98	
90	QPSK	1	1	20.66	20.67	20.63	21.5
Channel				633868	633868		
Frequency [MHz]				3490.02	3499.98	3510	
80	QPSK	1	1	20.63	20.72	20.70	21.5
Channel				634136	634136		
Frequency [MHz]				3485.01	3499.98	3514.98	
70	QPSK	1	1	20.59	20.65	20.73	21.5
Channel				634400	3499.98	3518.98	
60	QPSK	1	1	20.67	20.69	20.69	21.5
Channel				634668	634668		
Frequency [MHz]				3475.02	3499.98	3502	
50	QPSK	1	1	20.61	20.76	20.69	21.5
Channel				634936	3470.01	3503.98	
Frequency [MHz]				3470.01	3499.98	3503.98	
40	QPSK	1	1	20.61	20.70	20.72	21.5
Channel				635200	635200		
Frequency [MHz]				3465	3499.98	3514.98	
30	QPSK	1	1	20.61	20.76	20.66	21.5
Channel				635468	3462.51	3517.48	
Frequency [MHz]				3462.51	3499.98	3517.48	
25	QPSK	1	1	20.67	20.72	20.73	21.5
Channel				635736	635736		
Frequency [MHz]				3460.02	3499.98	3502	
20	QPSK	1	1	20.64	20.73	20.68	21.5
Channel				636000	636000		
Frequency [MHz]				3455.5	3499.98	3502.5	
15	QPSK	1	1	20.58	20.68	20.73	21.5
Channel				636268	636268		
Frequency [MHz]				3455.01	3499.98	3504.98	
10	QPSK	1	1	20.56	20.66	20.67	21.5

Part27Q_n77(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel				633332			
Frequency [MHz]				3499.98			
100	PQ2 BPSK	1	1	23.44			
100	PQ2 BPSK	1	137	23.60			24.5
100	PQ2 BPSK	1	271	23.54			0.0
100	PQ2 BPSK	135	5	23.51			24.5
100	PQ2 BPSK	135	69	23.59			24.5
100	PQ2 BPSK	135	138	23.47			24.5
100	PQ2 BPSK	270	0	23.50			0.0
100	QPSK	1	1	23.70			24.5
100	QPSK	1	137	23.68			0.0
100	QPSK	1	271	23.64			0.0
100	QPSK	135	5	23.59			0.0
100	QPSK	135	69	23.73			0.0
100	QPSK	135	138	23.61			0.0
100	QPSK	270	0	23.59			0.0
100	64QAM	1	1	23.68			24.5
100	64QAM	1	1	23.69			24.5
100	256QAM	1	1	23.70			24.5
Channel				633600	633600		
Frequency [MHz]				3495	3499.98	3504.98	
90	QPSK	1	1	23.47	23.69	23.65	24.5
Channel				633868	633868		
Frequency [MHz]				3490.02	3499.98	3510	
80	QPSK	1	1	23.53	23.73	23.58	24.5
Channel				634136	634136		
Frequency [MHz]				3485.01	3499.98	3514.98	
70	QPSK	1	1	23.51	23.63	23.62	24.5
Channel				634400	3499.98	3518.98	
60	QPSK	1	1	23.53	23.68	23.62	24.5
Channel				634668	634668		
Frequency [MHz]				3475.02	3499.98	3502	
50	QPSK	1	1	23.54	23.72	23.62	24.5
Channel				634936	3470.01	3503.98	
Frequency [MHz]				3470.01	3499.98	3503.98	
40	QPSK	1	1	23.50	23.72	23.61	24.5
Channel				635200	635200		
Frequency [MHz]				3465	3499.98	3514.98	
30	QPSK	1	1	23.47	23.73	23.55	24.5
Channel				635468	3462.51	3517.48	
Frequency [MHz]				3462.51	3499.98	3517.48	
25	QPSK	1	1	23.47	23.72	23.67	24.5
Channel				635736	635736		
Frequency [MHz]				3460.02	3499.98	3502	
20	QPSK	1	1	23.57	23.68	23.64	24.5
Channel				636000	636000		
Frequency [MHz]				3455.5	3499.98	3502.5	
15	QPSK	1	1	23.59	23.67	23.66	24.5
Channel				636268	636268		
Frequency [MHz]				3455.01	3499.98	3504.98	
10	QPSK	1	1	23.56	23.63	23.65	24.5

Part27Q_n77_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel				633332			
Frequency [MHz]				3499.98			
100	PQ2 BPSK	1	1	20.83	20.83	20.72	
100	PQ2 BPSK	1	137	20.68	20.70	20.55	21.5
100	PQ2 BPSK	1	271	20.75	20.83	20.60	0.0
100	PQ2 BPSK	135	5	20.70	20.83	20.51	21.5
100	PQ2 BPSK	135	69	20.78	20.75	20.68	21.5
100	PQ2 BPSK	135	138	20.63	20.86	20.58	21.5
100	PQ2 BPSK	270	0	20.65	20.81	20.54	0.0
100	QPSK	1	1	20.90	20.92	20.81	
100	QPSK	1	137	20.76	20.82	20.66	21.5
100	QPSK	1	271	20.84	20.77	20.69	0.0
100	QPSK	135	5	20.78	20.76	20.62	21.5
100	QPSK	135	69	20.87	20.79	20.69	21.5
100	QPSK	135	138	20.69	20.79	20.69	21.5
100	QPSK	270	0	20.72	20.73	20.61	0.0
100	64QAM	1	1	20.81	20.86	20.74	21.5
100	64QAM	1	1	20.75	20.82	20.72	21.5
100	256QAM	1	1	20.85	20.83	20.80	21.5
Channel				633600	633600		
Frequency [MHz]				3495	3499.98	3504.98	
90	QPSK	1	1	20.78	20.78	20.70	21.5
Channel				633868	633868		
Frequency [MHz]				3490.02	3499.98	3510	
80	QPSK	1	1	20.78	20.78	20.69	21.5
Channel				634136	634136		
Frequency [MHz]				3485	3499.98	3514.98	
70	QPSK	1	1	20.80	20.87	20.69	21.5
Channel				634400	3499.98	3518.98	
60	QPSK	1	1	20.84	20.81	20.66	21.5
Channel				634668	634668		
Frequency [MHz]				3475.01	3499.98	3503.98	
50	QPSK	1	1	20.83	20.82	20.71	21.5
Channel				634936	3470.01	3503.98	
Frequency [MHz]				3470.01	3499.98	3503.98	
40	QPSK	1	1	20.77	20.83	20.71	21.5
Channel				635200	635200		
Frequency [MHz]				3465	3499.98	3514.98	
30	QPSK	1	1	20.84	20.80	20.76	21.5
Channel				635468	635468		
Frequency [MHz]				3462.51	3499.98	3517.48	
25	QPSK	1	1	20.75	20.83	20.76	21.5
Channel				635736	635736		
Frequency [MHz]				3460.01	3499.98	3503.98	
20	QPSK	1	1	20.81	20.80	20.72	21.5
Channel				636000	636000		
Frequency [MHz]				3455.5	3499.98	3502.5	
15	QPSK	1	1	20.82	20.82	20.72	21.5
Channel				636268	636268		
Frequency [MHz]				3455	3499.98	3504.98	
10	QPSK	1	1	20.76	20.78	20.72	21.5

Part27O_n77(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				660000	660000	660000			
Frequency (MHz)				23.40	23.40	23.40			
100	F3/2 BPSK	1	1	23.49	23.48	23.41			
100	F3/2 BPSK	1	137	23.39	23.42	23.37	24.5	0.0	
100	F3/2 BPSK	1	271	23.32	23.41	23.38			
100	F3/2 BPSK	135	0	23.14	23.27	23.32	24.5	0.0	
100	F3/2 BPSK	135	69	23.27	23.36	23.30	24.5	0.0	
100	F3/2 BPSK	135	135	23.23	23.22	23.25	24.5	0.0	
100	F3/2 BPSK	270	0	23.14	23.30	23.28			
100	QPSK	1	1	23.22	23.03	23.02			
100	QPSK	1	137	23.44	23.51	23.46	24.5	0.0	
100	QPSK	1	271	23.40	23.51	23.50			
100	QPSK	135	0	23.28	23.41	23.36	24.5	0.0	
100	QPSK	135	69	23.40	23.48	23.45	24.5	0.0	
100	QPSK	135	135	23.31	23.37	23.32	24.5	0.0	
100	QPSK	270	0	23.26	23.36	23.37			
100	BQAM	1	1	23.49	23.32	23.44	24.5	0.0	
100	BQAM	1	1	23.43	23.58	23.45	24.5	0.0	
100	SSBQAM	1	1	21.82	21.74	21.68	22.5	2.0	
Channel				674000	674000	674000			
Frequency (MHz)				3745.02	3640	3634.38			
90	QPSK	1	1	23.46	23.55	23.47	24.5	0.0	
Channel				674350	674000	674000			
Frequency (MHz)				3740.01	3640	3639.39			
80	QPSK	1	1	23.42	23.57	23.44	24.5	0.0	
Channel				674600	674000	674000			
Frequency (MHz)				3735	3640	3640			
70	QPSK	1	1	23.43	23.58	23.43	24.5	0.0	
Channel				674850	674000	674000			
Frequency (MHz)				3730.02	3640	3640.38			
60	QPSK	1	1	23.48	23.51	23.45	24.5	0.0	
Channel				675100	674000	674000			
Frequency (MHz)				3725.01	3640	3654.39			
50	QPSK	1	1	23.45	23.51	23.48	24.5	0.0	
Channel				675350	674000	674000			
Frequency (MHz)				3720	3640	3660			
40	QPSK	1	1	23.48	23.50	23.43	24.5	0.0	
Channel				675600	674000	674000			
Frequency (MHz)				3715.02	3640	3654.38			
30	QPSK	1	1	23.44	23.58	23.50	24.5	0.0	
Channel				675850	674000	674000			
Frequency (MHz)				3712.5	3640	3667.5			
25	QPSK	1	1	23.43	23.52	23.50	24.5	0.0	
Channel				676100	674000	674000			
Frequency (MHz)				3710.51	3640	3668.50			
20	QPSK	1	1	23.47	23.54	23.47	24.5	0.0	
Channel				676350	674000	674000			
Frequency (MHz)				3707.52	3640	3672.40			
15	QPSK	1	1	23.49	23.48	23.40	24.5	0.0	
Channel				676600	674000	674000			
Frequency (MHz)				3705	3640	3670			
10	QPSK	1	1	23.41	23.50	23.47	24.5	0.0	



Part27Q_n77_Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Intvl (dBm)	MPR (dB)
Channel				633332	633332	633332		
Frequency (MHz)				19.48	19.48	19.48		
100	16Q BPSK	1	1		19.48		20.5	0.0
100	16Q BPSK	1	137		19.43			
100	16Q BPSK	1	271		19.42			
100	16Q BPSK	135	0		19.29		20.5	0.0
100	16Q BPSK	135	69		19.41		20.5	0.0
100	16Q BPSK	135	138		19.27		20.5	0.0
100	16Q BPSK	270	0		19.39			
100	QPSK	1	1		19.00			
100	QPSK	1	137		19.98		20.5	0.0
100	QPSK	1	271		19.52			
100	QPSK	135	0		19.41		20.5	0.0
100	QPSK	135	69		19.35		20.5	0.0
100	QPSK	135	138		19.40		20.5	0.0
100	QPSK	270	0		19.46			
100	8QAM	1	1		19.34		20.5	0.0
100	8QAM	1	1		19.50		20.5	0.0
100	16QAM	1	1		19.55		20.5	0.0
Channel				633600	633600	633600		
Frequency (MHz)				3495	3499.98	3504.98		
90	QPSK	1	1	19.39	19.55	19.35	20.5	0.0
Channel				634000	633999	634000		
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	19.38	19.53	19.38	20.5	0.0
Channel				634394	634393	634394		
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	19.39	19.50	19.35	20.5	0.0
Channel				635000	635000	635000		
Frequency (MHz)				3480	3499.98	3519.98		
60	QPSK	1	1	19.31	19.55	19.33	20.5	0.0
Channel				635400	635400	635400		
Frequency (MHz)				3475.02	3499.98	3520		
50	QPSK	1	1	19.36	19.54	19.38	20.5	0.0
Channel				635814	635814	635814		
Frequency (MHz)				3470.51	3499.98	3520.98		
40	QPSK	1	1	19.33	19.54	19.35	20.5	0.0
Channel				636000	636000	636000		
Frequency (MHz)				3465	3499.98	3534.98		
30	QPSK	1	1	19.30	19.50	19.37	20.5	0.0
Channel				636494	636494	636494		
Frequency (MHz)				3462.51	3499.98	3537.98		
25	QPSK	1	1	19.28	19.47	19.30	20.5	0.0
Channel				636668	633650	636668		
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	19.30	19.47	19.30	20.5	0.0
Channel				636600	633650	636600		
Frequency (MHz)				3457.5	3499.98	3542.40		
15	QPSK	1	1	19.40	19.51	19.30	20.5	0.0
Channel				636334	633650	636334		
Frequency (MHz)				3455.91	3499.98	3544.98		
10	QPSK	1	1	19.58	19.46	19.37	20.5	0.0

Par27Q_n77(HPUe)_Ant 6							
RF (MHz)	Modulation	RB Size	RB Offset	Power Main (dBm)	Power Mask (dBm)	Power Frac (dBm)	APR (dB)
Channel				Ch. Freq.	Ch. Power	Ch. Freq.	
Frequency (MHz)				34636			
100	P2 BPSK	1	1	22.45			
100	P2 BPSK	1	137	22.45			
100	P2 BPSK	1	271	22.44			23.5 0.0
100	P2 BPSK	156	0	22.25			23.5 0.0
100	P2 BPSK	156	86	22.14			23.5 0.0
100	P2 BPSK	156	156	22.26			23.5 0.0
100	P2 BPSK	270	0	22.37			23.5 0.0
100	QPSK	1	1	22.16			
100	QPSK	1	137	22.45			23.5 0.0
100	QPSK	1	271	22.45			23.5 0.0
100	QPSK	156	5	22.39			23.5 0.0
100	QPSK	156	86	22.48			23.5 0.0
100	QPSK	156	156	22.43			23.5 0.0
100	QPSK	270	5	22.39			23.5 0.0
100	16QAM	1	1	22.01			23.5 0.0
100	16QAM	1	137	22.45			23.5 0.0
100	16QAM	1	271	22.45			23.5 0.0
100	16QAM	156	5	22.39			23.5 0.0
100	16QAM	156	86	22.48			23.5 0.0
100	16QAM	156	156	22.43			23.5 0.0
100	16QAM	270	5	22.39			23.5 0.0
Channel				63500	63532	63568	
Frequency (MHz)				63490	63516	63542	MPR
80	QPSK	1	23	22.45	22.45	23.34	23.5 0.0
Channel				63668	63692	63700	
Frequency (MHz)				63668	63692	63700	MPR
80	QPSK	1	23	22.44	22.44	23.34	23.5 0.0
Channel				63734	63758	63766	
Frequency (MHz)				63734	63758	63766	MPR
70	QPSK	1	23	22.44	22.44	23.24	23.5 0.0
Channel				63800	63824	63832	
Frequency (MHz)				63800	63824	63832	MPR
60	QPSK	1	23	22.46	22.46	23.24	23.5 0.0
Channel				63868	63892	63900	
Frequency (MHz)				63868	63892	63900	MPR
50	QPSK	1	23	22.47	22.47	23.24	23.5 0.0
Channel				63934	63958	63966	
Frequency (MHz)				63934	63958	63966	MPR
40	QPSK	1	23	22.49	22.49	23.24	23.5 0.0
Channel				64000	64024	64032	
Frequency (MHz)				64000	64024	64032	MPR
30	QPSK	1	23	22.49	22.49	23.24	23.5 0.0
Channel				63884	63908	63916	
Frequency (MHz)				63884	63908	63916	MPR
20	QPSK	1	23	22.48	22.48	23.24	23.5 0.0
Channel				63968	63992	64000	
Frequency (MHz)				63968	63992	64000	MPR
15	QPSK	1	23	22.47	22.47	23.24	23.5 0.0
Channel				63950	63974	63982	
Frequency (MHz)				63950	63974	63982	MPR
15	QPSK	1	23	22.48	22.48	23.24	23.5 0.0
Channel				63934	63958	63966	
Frequency (MHz)				63934	63958	63966	MPR
10	QPSK	1	23	22.44	22.44	23.24	23.5 0.0

Part270_n77_Ant 6									
BW [MHz]	Modulation	RF Size	RF Offset	Power Ch. Freq.	Power Ch. Freq.	Power Ch. Freq.	Power Ch. Freq.	Time-to-1st [ms]	MPR [dB]
				[MHz]	[MHz]	[MHz]	[MHz]		
	Channel			8750	3450	3000			
	Frequency [MHz]								
100	P12 BPSK	1	1	10.62	19.21	18.80			
100	GPSSK	1	13.7	19.68	19.68	19.68	20.5	0.0	
100	P12 BPSK	1	27.1	19.34	19.61	19.57			
100	P12 BPSK	156	0	19.47	19.49	19.38	20.5	0.0	
100	P12 BPSK	156	66	19.47	19.49	19.38	20.5	0.0	
100	P12 BPSK	156	158	19.35	19.47	19.41	20.5	0.0	
100	P12 BPSK	270	0	19.41	19.46	19.34			
100	GPSSK	1	13.7	19.68	19.67	19.65	20.5	0.0	
100	GPSSK	1	13.7	19.69	19.68	19.65			
100	GPSSK	1	27.1	19.69	19.67	19.67			
100	GPSSK	156	5	19.45	19.47	19.47	20.5	0.0	
100	GPSSK	156	69	19.31	19.63	19.46	20.5	0.0	
100	GPSSK	156	158	19.45	19.53	19.46	20.5	0.0	
100	GPSSK	270	5	19.45	19.47	19.47			
100	ISM40M	1	1	19.80	19.84	19.84	20.5	0.0	
100	ISM40M	1	1	19.89	19.72	19.81	20.5	0.0	
100	ISM40M	1	1	19.82	19.83	19.83	20.5	0.0	
90	Channel			64668	66500	66230	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.94	19.92	19.91	20.5	0.0	
90	Channel			37433	3450	3400	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.63	19.67	19.66	20.5	0.0	
90	Channel			64600	66500	66300	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.63	19.59	19.65	20.5	0.0	
90	Channel			64668	66500	66330	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.68	19.62	19.67	20.5	0.0	
90	Channel			64634	66500	66368	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.68	19.62	19.67	20.5	0.0	
90	Channel			64600	66500	66400	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.64	19.55	19.69	20.5	0.0	
90	Channel			64668	66500	66430	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.62	19.71	19.62	20.5	0.0	
90	Channel			64750	66500	66500	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.63	19.63	19.63	20.5	0.0	
90	Channel			64734	66500	66466	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.65	19.70	19.66	20.5	0.0	
90	Channel			64718	66500	66492	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.67	19.69	19.72	20.5	0.0	
90	Channel			64690	66500	66474	Time-to-1st	MPR	
90	Frequency [MHz]								
90	GPSSK	1	1	19.66	19.62	19.65	20.5	0.0	

Par270_n77(HPUe)_Ant 6									
Env (MHz)	Modulation	RB Size	RB Offset	Power Floor (dBm)	Power Max (dBm)	Power Max (dBm)	Power Max (dBm)	Throughput (Mbps)	MPE (dB)
Channel				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.		
Channel				86600	86600	86600	86600		
Frequency (MHz)				8750	3440	3030			
100	P13 APK	1	1	22.45	22.49	22.39			
100	P13 APK	1	1	22.45	22.49	22.39		23.5	0.0
100	P13 APK	1	1	22.45	22.49	22.39		23.5	0.0
100	P13 BP1K	1	271	22.28	22.24	22.17			
100	P13 BP1K	196	0	22.32	22.27	22.23		23.5	0.0
100	P13 BP1K	195	69	22.30	22.25	22.21		23.5	0.0
100	P13 BP1K	158	158	22.24	22.36	22.21			
100	P13 BP1K	270	0	22.24	22.29	22.20			
100	QPSK	1	1	22.47	22.47	22.47			
100	QPSK	1	137	22.40	22.38	22.38		23.5	0.0
100	QPSK	1	271	22.40	22.48	22.32			
100	QPSK	195	0	22.30	22.29	22.29		23.5	0.0
100	QPSK	196	69	22.27	22.48	22.41		23.5	0.0
100	QPSK	158	158	22.39	22.43	22.26			
100	QPSK	270	0	22.29	22.44	22.29		23.5	0.0
100	16QAM	1	1	22.43	22.44	22.37		23.5	0.0
100	16QAM	1	1	22.43	22.50	22.39		23.5	0.0
100	16QAM	1	1	22.43	22.44	22.40		23.5	0.0
Channel				86680	86650	86320			MPE
90	Frequency (MHz)	1	1	22.42	22.50	22.41		23.5	0.0
90	Frequency (MHz)	1	1	86334	86600	86268		Throughput	MPE
90	Frequency (MHz)	1	1	12.43	22.49	22.49		Throughput	MPE
90	Frequency (MHz)	1	1	22.42	22.42	22.41		23.5	0.0
90	Frequency (MHz)	1	1	86300	86600	86300		Throughput	MPE
90	Frequency (MHz)	1	1	22.42	22.42	22.42		Throughput	MPE
90	Frequency (MHz)	1	1	22.42	22.42	22.33		23.5	0.0
90	Frequency (MHz)	1	1	22.47	22.52	22.39		23.5	0.0
90	Frequency (MHz)	1	1	22.48	22.43	22.47		23.5	0.0
90	Frequency (MHz)	1	1	86300	86600	86400		Throughput	MPE
90	Frequency (MHz)	1	1	22.44	22.47	22.33		23.5	0.0
90	Frequency (MHz)	1	1	86334	86600	86432		Throughput	MPE
90	Frequency (MHz)	1	1	22.43	22.50	22.47		23.5	0.0
90	Frequency (MHz)	1	1	86750	86600	86400		Throughput	MPE
90	Frequency (MHz)	1	1	22.42	22.47	22.33		23.5	0.0
90	Frequency (MHz)	1	1	86768	86600	86432		Throughput	MPE
90	Frequency (MHz)	1	1	22.43	22.45	22.42		23.5	0.0
90	Frequency (MHz)	1	1	86734	86600	86686		Throughput	MPE
90	Frequency (MHz)	1	1	22.48	22.46	22.38		23.5	0.0
90	Frequency (MHz)	1	1	86718	86600	86682		Throughput	MPE
90	Frequency (MHz)	1	1	22.42	22.46	22.42		23.5	0.0
15	QPSK	1	1	22.47	22.47	22.47			
15	QPSK	1	1	86700	86600	86600		Throughput	MPE
15	QPSK	1	1	22.47	22.44	22.38		23.5	0.0

Part27Q_n77_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	
Channel				63332	63332		
Frequency (MHz)				3495.86	3495.86		
100	PI2 BPSK	1	1	20.67			
100	PI2 BPSK	1	137	20.63		21.5	0.0
100	PI2 BPSK	1	271	20.59			
100	PI2 BPSK	135	0	20.37		21.5	0.0
100	PI2 BPSK	135	69	20.49		21.5	0.0
100	PI2 BPSK	135	135	20.39		21.5	0.0
100	PI2 BPSK	270	0	20.44			
100	QPSK	1	1	20.74			
100	QPSK	1	137	20.69		21.5	0.0
100	QPSK	1	271	20.65			
100	QPSK	135	0	20.51		21.5	0.0
100	QPSK	135	69	20.54		21.5	0.0
100	QPSK	135	135	20.49		21.5	0.0
100	QPSK	270	0	20.51			
100	16QAM	1	1	20.65		21.5	0.0
100	64QAM	1	1	20.66		21.5	0.0
100	256QAM	1	1	20.69		21.5	0.0
Channel				63300	63332	63368	MPR (dB)
Frequency (MHz)				3490.02	3495.86	3501.70	
90	QPSK	1	1	20.63	20.60	20.47	21.5 0.0
Channel				63300	63332	63400	MPR (dB)
Frequency (MHz)				3490.02	3495.86	3504.99	
80	QPSK	1	1	20.63	20.63	20.43	21.5 0.0
Channel				63330	63350	63410	MPR (dB)
Frequency (MHz)				3485.01	3490.02	3500.00	
70	QPSK	1	1	20.56	20.68	20.42	21.5 0.0
Channel				63350	63370	63430	MPR (dB)
Frequency (MHz)				3480.00	3485.01	3500.00	
60	QPSK	1	1	20.58	20.65	20.42	21.5 0.0
Channel				63370	63390	63450	MPR (dB)
Frequency (MHz)				3475.02	3480.00	3500.00	
50	QPSK	1	1	20.59	20.62	20.46	21.5 0.0
Channel				63390	63410	63470	MPR (dB)
Frequency (MHz)				3470.01	3475.02	3500.00	
40	QPSK	1	1	20.56	20.62	20.44	21.5 0.0
Channel				63400	63420	63480	MPR (dB)
Frequency (MHz)				3465.00	3470.01	3500.00	
30	QPSK	1	1	20.61	20.61	20.48	21.5 0.0
Channel				63410	63430	63490	MPR (dB)
Frequency (MHz)				3462.51	3467.51	3500.00	
25	QPSK	1	1	20.56	20.67	20.42	21.5 0.0
Channel				63430	63450	63500	MPR (dB)
Frequency (MHz)				3460.02	3465.00	3500.00	
20	QPSK	1	1	20.57	20.66	20.45	21.5 0.0
Channel				63450	63470	63520	MPR (dB)
Frequency (MHz)				3457.50	3462.50	3500.00	
15	QPSK	1	1	20.56	20.66	20.46	21.5 0.0
Channel				63470	63490	63540	MPR (dB)
Frequency (MHz)				3455.01	3460.02	3500.00	
10	QPSK	1	1	20.54	20.61	20.51	21.5 0.0

Part27Q_n77(HPUE)_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				63332	63332		
Frequency (MHz)				3495.86	3495.86		
100	PI2 BPSK	1	1	23.50			
100	PI2 BPSK	1	137	23.43		24.5	0.0
100	PI2 BPSK	1	271	23.44			
100	PI2 BPSK	135	0	23.43		24.5	0.0
100	PI2 BPSK	135	69	23.46		24.5	0.0
100	PI2 BPSK	135	135	23.31		24.5	0.0
100	PI2 BPSK	270	0	23.41			
100	QPSK	1	1	23.63			
100	QPSK	1	137	23.57		24.5	0.0
100	QPSK	1	271	23.54			
100	QPSK	135	0	23.49		24.5	0.0
100	QPSK	135	69	23.56		24.5	0.0
100	QPSK	135	135	23.45		24.5	0.0
100	QPSK	270	0	23.51			
100	16QAM	1	1	23.57		24.5	0.0
100	64QAM	1	1	23.48		24.5	0.0
100	256QAM	1	1	21.34	63360	63360	22.5 2.0
Channel				63300	63360	63369	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3504.99	
90	QPSK	1	1	23.46	23.36	23.50	24.5 0.0
Channel				63369	63380	63400	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510.00	
80	QPSK	1	1	23.44	23.37	23.44	24.5 0.0
Channel				63380	63390	63410	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	23.48	23.52	23.52	24.5 0.0
Channel				63390	63400	63430	MPR (dB)
Frequency (MHz)				3480.00	3499.98	3519.98	
60	QPSK	1	1	23.50	23.58	23.52	24.5 0.0
Channel				63399	63410	63500	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525.00	
50	QPSK	1	1	23.43	23.53	23.53	24.5 0.0
Channel				63410	63420	63470	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	23.52	23.57	23.52	24.5 0.0
Channel				63420	63430	63480	MPR (dB)
Frequency (MHz)				3465.00	3499.98	3534.99	
30	QPSK	1	1	23.50	23.46	23.46	24.5 0.0
Channel				63430	63440	63490	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	23.51	23.49	23.51	24.5 0.0
Channel				63440	63450	63500	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540.00	
20	QPSK	1	1	23.46	23.54	23.47	24.5 0.0
Channel				63450	63460	63520	MPR (dB)
Frequency (MHz)				3457.50	3499.98	3542.43	
15	QPSK	1	1	23.49	23.50	23.50	24.5 0.0
Channel				63460	63470	63540	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	23.43	23.49	23.50	24.5 0.0

Part270_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3760	3845	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	20.65	20.63	20.75			
100	PI2 BPSK	1	137	20.52	20.74	20.66	21.5	0.0	
100	PI2 BPSK	1	271	20.58	20.69	20.69			
100	PI2 BPSK	135	5	20.36	20.66	20.40	21.5	0.0	
100	PI2 BPSK	135	69	20.45	20.70	20.59	21.5	0.0	
100	PI2 BPSK	135	138	20.40	20.59	20.55	21.5	0.0	
100	PI2 BPSK	270	5	20.42	20.56	20.57			
100	QPSK	1	1	20.73	20.69	20.75			
100	QPSK	1	137	20.59	20.82	20.73	21.5	0.0	
100	QPSK	1	271	20.68	20.76	20.72			
100	QPSK	135	5	20.44	20.73	20.60	21.5	0.0	
100	QPSK	135	69	20.76	20.74	20.74	21.5	0.0	
100	QPSK	135	138	20.40	20.73	20.65	21.5	0.0	
100	QPSK	270	5	20.54	20.69	20.64			
100	16QAM	1	1	20.68	20.76	20.78	21.5	0.0	
100	64QAM	1	1	20.84	20.79	20.80	21.5	0.0	
100	256QAM	1	1	20.88	20.77	20.70	21.5	0.0	
Channel				66666	66600	66232	Turn-up test	MPR	
Frequency (MHz)				20.65	20.63	20.75	(dBm)	(dB)	
90	QPSK	1	1	20.60	20.80	20.77	21.5	0.0	
Channel				66334	66600	66266	Turn-up test	MPR	
Frequency (MHz)				20.574	20.603	20.586	(dBm)	(dB)	
80	QPSK	1	1	20.59	20.74	20.73	21.5	0.0	
Channel				66000	66600	66300	Turn-up test	MPR	
Frequency (MHz)				20.60	20.603	20.603	(dBm)	(dB)	
70	QPSK	1	1	20.64	20.77	20.77	21.5	0.0	
Channel				66334	66600	66332	Turn-up test	MPR	
Frequency (MHz)				20.604	20.603	20.603	(dBm)	(dB)	
60	QPSK	1	1	20.68	20.73	20.72	21.5	0.0	
Channel				66334	66600	66368	Turn-up test	MPR	
Frequency (MHz)				20.634	20.603	20.603	(dBm)	(dB)	
50	QPSK	1	1	20.62	20.74	20.71	21.5	0.0	
Channel				66000	66600	66400	Turn-up test	MPR	
Frequency (MHz)				20.600	20.603	20.603	(dBm)	(dB)	
40	QPSK	1	1	20.58	20.76	20.80	21.5	0.0	
Channel				66768	66600	66432	Turn-up test	MPR	
Frequency (MHz)				20.618	20.603	20.604	(dBm)	(dB)	
30	QPSK	1	1	20.60	20.76	20.72	21.5	0.0	
Channel				66750	66600	66400	Turn-up test	MPR	
Frequency (MHz)				20.612	20.603	20.604	(dBm)	(dB)	
25	QPSK	1	1	20.61	20.82	20.70	21.5	0.0	
Channel				67374	66600	66566	Turn-up test	MPR	
Frequency (MHz)				20.618	20.603	20.604	(dBm)	(dB)	
20	QPSK	1	1	20.68	20.80	20.79	21.5	0.0	
Channel				67168	66600	66432	Turn-up test	MPR	
Frequency (MHz)				20.612	20.603	20.604	(dBm)	(dB)	
15	QPSK	1	1	20.62	20.75	20.72	21.5	0.0	
Channel				67000	66600	66500	Turn-up test	MPR	
Frequency (MHz)				20.610	20.603	20.604	(dBm)	(dB)	
10	QPSK	1	1	20.66	20.82	20.73	21.5	0.0	

Part270_n77(HPUe)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3765	3840	3910			
Frequency (MHz)									
100	PI2 BPSK	1	1	23.63	23.80	23.98			
100	PI2 BPSK	1	137	23.63	23.67	23.54	24.5	0.0	
100	PI2 BPSK	1	271	23.58	23.66	23.51			
100	PI2 BPSK	135	5	23.38	23.65	23.32	24.5	0.0	
100	PI2 BPSK	135	69	23.58	23.69	23.45	24.5	0.0	
100	PI2 BPSK	135	138	23.48	23.61	23.34	24.5	0.0	
100	PI2 BPSK	270	5	23.49	23.67	23.35			
100	QPSK	1	1	23.70	23.65	23.70			
100	QPSK	1	137	23.62	23.74	23.68	24.5	0.0	
100	QPSK	1	271	23.71	23.72	23.68			
100	QPSK	135	5	23.50	23.65	23.44	24.5	0.0	
100	QPSK	135	69	23.68	23.69	23.65	24.5	0.0	
100	QPSK	135	138	23.56	23.74	23.40	24.5	0.0	
100	QPSK	270	5	23.58	23.75	23.48			
100	16QAM	1	1	23.67	23.71	23.60	24.5	0.0	
100	64QAM	1	1	23.63	23.79	23.62	24.5	0.0	
100	256QAM	1	1	21.78	21.79	21.65	22.5	2.0	
Channel				46968	55600	66232	Turn-up test	MPR	
Frequency (MHz)				3745.02	3840	3839.98	(dBm)	(dB)	
90	QPSK	1	1	23.63	23.76	23.66	24.5	0.0	
Channel				46934	55600	66206	Turn-up test	MPR	
Frequency (MHz)				3743.01	3840	3839.99	(dBm)	(dB)	
80	QPSK	1	1	23.70	23.76	23.54	24.5	0.0	
Channel				46900	55600	66200	Turn-up test	MPR	
Frequency (MHz)				3735	3840	3845	(dBm)	(dB)	
70	QPSK	1	1	23.69	23.73	23.66	24.5	0.0	
Channel				46868	55600	66232	Turn-up test	MPR	
Frequency (MHz)				3730.02	3840	3839.98	(dBm)	(dB)	
60	QPSK	1	1	23.69	23.79	23.67	24.5	0.0	
Channel				46834	55600	66206	Turn-up test	MPR	
Frequency (MHz)				3725.01	3840	3839.99	(dBm)	(dB)	
50	QPSK	1	1	23.65	23.79	23.60	24.5	0.0	
Channel				46800	55600	66200	Turn-up test	MPR	
Frequency (MHz)				3720	3840	3840	(dBm)	(dB)	
40	QPSK	1	1	23.63	23.72	23.61	24.5	0.0	
Channel				46768	55600	66232	Turn-up test	MPR	
Frequency (MHz)				3715.02	3840	3839.98	(dBm)	(dB)	
30	QPSK	1	1	23.69	23.77	23.61	24.5	0.0	
Channel				46750	55600	66200	Turn-up test	MPR	
Frequency (MHz)				3712.5	3840	3847.5	(dBm)	(dB)	
25	QPSK	1	1	23.68	23.72	23.60	24.5	0.0	
Channel				46734	55600	66206	Turn-up test	MPR	
Frequency (MHz)				3710.01	3840	3839.99	(dBm)	(dB)	
20	QPSK	1	1	23.63	23.77	23.54	24.5	0.0	
Channel				46718	55600	66232	Turn-up test	MPR	
Frequency (MHz)				3707.52	3840	3832.48	(dBm)	(dB)	
15	QPSK	1	1	23.67	23.77	23.61	24.5	0.0	
Channel				46700	55600	66200	Turn-up test	MPR	
Frequency (MHz)				3705	3840	3835	(dBm)	(dB)	
10	QPSK	1	1	23.71	23.74	23.52	24.5	0.0	



Part27Q_n78_Ant 3						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				63332	3493.98	
Frequency (MHz)						
100	PQ2 BPSK	1	1	19.69		
100	PQ2 BPSK	1	137	19.65		
100	PQ2 BPSK	1	271	19.58		20.5
100	PQ2 BPSK	135	5	19.40		20.5
100	PQ2 BPSK	135	69	19.50		20.5
100	PQ2 BPSK	135	138	19.44		20.5
100	PQ2 BPSK	270	0	19.37		20.5
100	QPSK	1	1	19.78		
100	QPSK	1	137	19.63		
100	QPSK	1	271	19.68		20.5
100	QPSK	135	5	19.55		20.5
100	QPSK	135	69	19.65		20.5
100	QPSK	135	138	19.62		20.5
100	QPSK	270	0	19.61		20.5
100	16QAM	1	1	19.64		20.5
100	64QAM	1	1	19.72		20.5
100	256QAM	1	1	19.88		20.5
Channel						
Frequency (MHz)				63300	3493.98	3504.98
90	QPSK	1	1	3495	3499.98	3504.98
Channel						
Frequency (MHz)				3499.02	3499.98	3510.98
80	QPSK	1	1	3495	3499.98	3510.98
Channel						
Frequency (MHz)				3495.01	3499.98	3514.98
70	QPSK	1	1	3495.01	3499.98	3514.98
Channel						
Frequency (MHz)				3495.01	3499.98	3518.98
60	QPSK	1	1	3495.01	3499.98	3518.98
Channel						
Frequency (MHz)				3495.01	3499.98	3522.98
50	QPSK	1	1	3495.01	3499.98	3522.98
Channel						
Frequency (MHz)				3495.01	3499.98	3526.98
40	QPSK	1	1	3495.01	3499.98	3526.98
Channel						
Frequency (MHz)				3495.01	3499.98	3530.98
30	QPSK	1	1	3495.01	3499.98	3530.98
Channel						
Frequency (MHz)				3495.01	3499.98	3534.98
25	QPSK	1	1	3495.01	3499.98	3534.98
Channel						
Frequency (MHz)				3495.01	3499.98	3538.98
20	QPSK	1	1	3495.01	3499.98	3538.98
Channel						
Frequency (MHz)				3495.01	3499.98	3542.98
15	QPSK	1	1	3495.01	3499.98	3542.98
Channel						
Frequency (MHz)				3495.01	3499.98	3546.98
10	QPSK	1	1	3495.01	3499.98	3546.98

Part27Q_n78(HPUe)_Ant 3						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				63332	3493.98	
Frequency (MHz)						
100	PQ2 BPSK	1	1	22.35		
100	PQ2 BPSK	1	137	22.36		23.5
100	PQ2 BPSK	1	271	22.36		23.5
100	PQ2 BPSK	135	5	22.17		23.5
100	PQ2 BPSK	135	69	22.33		23.5
100	PQ2 BPSK	135	138	22.14		23.5
100	PQ2 BPSK	270	0	22.15		23.5
100	QPSK	1	1	22.50		
100	QPSK	1	137	22.48		
100	QPSK	1	271	22.41		23.5
100	QPSK	135	5	22.30		23.5
100	QPSK	135	69	22.38		23.5
100	QPSK	135	138	22.28		23.5
100	QPSK	270	0	22.23		23.5
100	16QAM	1	1	22.28		23.5
100	64QAM	1	1	22.39		23.5
100	256QAM	1	1	21.80		22.5
Channel						
Frequency (MHz)				63300	3493.98	3504.98
90	QPSK	1	1	22.29	22.37	22.42
Channel						
Frequency (MHz)				3499.02	3499.98	3510.98
80	QPSK	1	1	22.27	22.37	22.42
Channel						
Frequency (MHz)				3495.01	3499.98	3514.98
70	QPSK	1	1	22.28	22.38	22.35
Channel						
Frequency (MHz)				3495.01	3499.98	3518.98
60	QPSK	1	1	22.33	22.42	22.39
Channel						
Frequency (MHz)				3495.01	3499.98	3522.98
50	QPSK	1	1	22.30	22.40	22.42
Channel						
Frequency (MHz)				3495.01	3499.98	3526.98
40	QPSK	1	1	22.37	22.43	22.38
Channel						
Frequency (MHz)				3495.01	3499.98	3530.98
30	QPSK	1	1	22.25	22.40	22.33
Channel						
Frequency (MHz)				3495.01	3499.98	3534.98
25	QPSK	1	1	22.34	22.40	22.40
Channel						
Frequency (MHz)				3495.01	3499.98	3538.98
20	QPSK	1	1	22.28	22.41	22.39
Channel						
Frequency (MHz)				3495.01	3499.98	3542.98
15	QPSK	1	1	22.24	22.39	22.37
Channel						
Frequency (MHz)				3495.01	3499.98	3546.98
10	QPSK	1	1	22.27	22.45	22.37

Part27Q_n78_Ant 3						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				66000	3745.98	
Frequency (MHz)						
100	PQ2 BPSK	1	1	19.81		
100	PQ2 BPSK	1	137	19.68		20.5
100	PQ2 BPSK	1	271	19.87		20.5
100	PQ2 BPSK	135	5	19.80		20.5
100	PQ2 BPSK	135	69	19.72		20.5
100	PQ2 BPSK	135	138	19.81		20.5
100	PQ2 BPSK	270	0	19.83		20.5
100	QPSK	1	1	19.88		
100	QPSK	1	137	19.77		
100	QPSK	1	271	19.78		20.5
100	QPSK	135	5	19.69		20.5
100	QPSK	135	69	19.78		20.5
100	QPSK	135	138	19.70		20.5
100	QPSK	270	0	19.68		20.5
100	16QAM	1	1	19.81		20.5
100	64QAM	1	1	19.75		20.5
100	256QAM	1	1	19.82		20.5
Channel						
Frequency (MHz)				66060	3745.98	3756.98
90	QPSK	1	1	3745.92	3756.98	3754.98
Channel						
Frequency (MHz)				3740.01	3756.98	3759.98
80	QPSK	1	1	3740.01	3756.98	3759.98
Channel						
Frequency (MHz)				3735.01	3756.98	3763.98
70	QPSK	1	1	3735.01	3756.98	3763.98
Channel						
Frequency (MHz)				3730.01	3756.98	3767.98
60	QPSK	1	1	3730.01	3756.98	3767.98
Channel						
Frequency (MHz)				3725.01	3756.98	3771.98
50	QPSK	1	1	3725.01	3756.98	3771.98
Channel						
Frequency (MHz)				3720.01	3756.98	3775.98
40	QPSK	1	1	3720.01	3756.98	3775.98
Channel						
Frequency (MHz)				3715.01	3756.98	3779.98
30	QPSK	1	1	3715.01	3756.98	3779.98
Channel						
Frequency (MHz)				3710.01	3756.98	3783.98
25	QPSK	1	1	3710.01	3756.98	3783.98
Channel						
Frequency (MHz)				3705.01	3756.98	3787.98
20	QPSK	1	1	3705.01	3756.98	3787.98
Channel						
Frequency (MHz)				3700.01	3756.98	3791.98
15	QPSK	1	1	3700.01	3756.98	3791.98
Channel						
Frequency (MHz)				3695.01	3756.98	3795.98
10	QPSK	1	1	3695.01	3756.98	3795.98



Part27O_n78(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				814.0	860000				
Frequency (MHz)				22.58					
100	RUZ BPSK	1	1	22.58			23.5	0.0	
100	RUZ BPSK	1	137		22.48				
100	RUZ BPSK	1	271		22.63				
100	RUZ BPSK	135	0		22.48		23.5	0.0	
100	RUZ BPSK	135	69		22.54		23.5	0.0	
100	RUZ BPSK	135	138		22.51		23.5	0.0	
100	RUZ BPSK	270	0		22.55				
100	QPSK	1	1		22.75				
100	QPSK	1	137		22.62		23.5	0.0	
100	QPSK	1	271		22.59				
100	QPSK	135	0		22.63		23.5	0.0	
100	QPSK	135	69		22.59		23.5	0.0	
100	QPSK	135	138		22.63		23.5	0.0	
100	QPSK	270	0		22.62				
100	BQAM	1	1		22.58		23.5	0.0	
100	BQAM	1	1		22.61		23.5	0.0	
100	BQAM	1	1		21.77		22.5	1.0	
Channel				84868	85000	85232	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	22.53	22.68	22.66	23.5	0.0	
Channel				84832	85000	85168	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	22.51	22.69	22.66	23.5	0.0	
Channel				84800	85000	85200	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.47	22.70	22.48	23.5	0.0	
Channel				84768	85000	85232	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	22.52	22.65	22.54	23.5	0.0	
Channel				84816	85000	85184	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	22.52	22.63	22.47	23.5	0.0	
Channel				84800	85000	85200	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	22.49	22.64	22.53	23.5	0.0	
Channel				84768	85000	85232	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3764.98			
30	QPSK	1	1	22.51	22.61	22.53	23.5	0.0	
Channel				84816	85000	85184	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	22.48	22.63	22.57	23.5	0.0	
Channel				84814	85000	85186	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	22.53	22.70	22.57	23.5	0.0	
Channel				848168	85000	85232	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3762.48			
15	QPSK	1	1	22.51	22.67	22.57	23.5	0.0	
Channel				847000	85000	85300	23.5 (dB)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.49	22.70	22.47	23.5	0.0	



Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	20.69			
100	PQ2 BPSK	1	137	20.52			21.5
100	PQ2 BPSK	1	271	20.52			0.0
100	PQ2 BPSK	135	5	20.52			21.5
100	PQ2 BPSK	135	69	20.61			0.0
100	PQ2 BPSK	135	138	20.38			21.5
100	PQ2 BPSK	270	0	20.49			0.0
100	QPSK	1	1	20.75			
100	QPSK	1	137	20.63			21.5
100	QPSK	1	271	20.67			0.0
100	QPSK	135	5	20.61			0.0
100	QPSK	135	69	20.66			0.0
100	QPSK	135	138	20.51			0.0
100	QPSK	270	0	20.58			0.0
100	8QAM	1	1	20.67			0.0
100	8QAM	1	1	20.69			0.0
100	256QAM	1	1	20.70			0.0
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.56	20.64	20.53	21.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.47	20.65	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.49	20.60	20.45	21.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.51	20.68	20.50	21.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.55	20.60	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.54	20.64	20.46	21.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.65	20.62	20.53	21.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.67	20.70	20.45	21.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.49	20.68	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.50	20.64	20.54	21.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.59	20.63	20.49	21.5

Part27Q_n78(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	23.59			
100	PQ2 BPSK	1	137	23.59			24.5
100	PQ2 BPSK	1	271	23.55			0.0
100	PQ2 BPSK	135	5	23.39			24.5
100	PQ2 BPSK	135	69	23.59			0.0
100	PQ2 BPSK	135	138	23.41			24.5
100	PQ2 BPSK	270	0	23.43			0.0
100	QPSK	1	1	23.74			
100	QPSK	1	137	23.69			24.5
100	QPSK	1	271	23.69			0.0
100	QPSK	135	5	23.51			0.0
100	QPSK	135	69	23.52			0.0
100	QPSK	135	138	23.54			0.0
100	QPSK	270	0	23.52			0.0
100	8QAM	1	1	23.64			0.0
100	8QAM	1	1	23.65			0.0
100	256QAM	1	1	23.69			0.0
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	23.46	23.67	23.53	24.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	23.50	23.69	23.45	24.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	23.52	23.68	23.47	24.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	23.52	23.64	23.46	24.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	23.48	23.59	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	23.43	23.64	23.45	24.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	23.50	23.63	23.51	24.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	23.44	23.68	23.44	24.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	23.46	23.64	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	23.48	23.66	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	23.45	23.63	23.53	24.5

Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				660000			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	20.80			
100	PQ2 BPSK	1	137	20.65			21.5
100	PQ2 BPSK	1	271	20.68			0.0
100	PQ2 BPSK	135	5	20.47			21.5
100	PQ2 BPSK	135	69	20.67			0.0
100	PQ2 BPSK	135	138	20.50			21.5
100	PQ2 BPSK	270	0	20.54			0.0
100	QPSK	1	1	20.85			
100	QPSK	1	137	20.76			21.5
100	QPSK	1	271	20.80			0.0
100	QPSK	135	5	20.60			0.0
100	QPSK	135	69	20.75			0.0
100	QPSK	135	138	20.61			0.0
100	QPSK	270	0	20.70			0.0
100	8QAM	1	1	20.74			0.0
100	8QAM	1	1	20.74			0.0
100	256QAM	1	1	20.75			0.0
Channel				660000			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.71	20.78	20.80	21.5
Channel				660000			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.66	20.78	20.80	21.5
Channel				660000			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.66	20.70	20.80	21.5
Channel				660000			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.63	20.73	20.82	21.5
Channel				660000			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.66	20.76	20.59	21.5
Channel				660000			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.67	20.74	20.63	21.5
Channel				660000			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.67	20.70	20.64	21.5
Channel				660000			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.63	20.72	20.68	21.5
Channel				660000			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.69	20.80	20.68	21.5
Channel				660000			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.67	20.76	20.63	21.5
Channel				660000			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.69	20.78	20.59	21.5

Part27O_n78(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84868	85000	85132			
Frequency (MHz)				23.42	23.52	23.62			
100	F1/2 BPSK	1	1		23.52			24.5	0.0
100	F1/2 BPSK	1	137		23.37				
100	F1/2 BPSK	1	271		23.46				
100	F1/2 BPSK	135	0		23.33				
100	F1/2 BPSK	135	69		23.47			24.5	0.0
100	F1/2 BPSK	135	138		23.28			24.5	0.0
100	F1/2 BPSK	270	0		23.28				
100	QPSK	1	1		23.05			24.5	0.0
100	QPSK	1	137		23.36				
100	QPSK	1	271		23.27				
100	QPSK	135	0		23.48				
100	QPSK	135	69		23.35			24.5	0.0
100	QPSK	135	138		23.41			24.5	0.0
100	QPSK	270	0		23.43			24.5	0.0
100	BQAM	1	1		23.34			24.5	0.0
100	BQAM	1	1		23.53			24.5	0.0
100	BQAM	1	1		21.69	22.02	22.35	24.5	2.0
Channel				84868	85000	85132			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	23.44	23.60	23.43	24.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	23.42	23.58	23.53	24.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.44	23.53	23.49	24.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	23.51	23.58	23.53	24.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	23.44	23.53	23.43	24.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.47	23.57	23.49	24.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3715.02	3750	3764.98			
30	QPSK	1	1	23.47	23.53	23.47	24.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	23.43	23.53	23.43	24.5	0.0	
Channel				84734	85000	85266			
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	23.51	23.51	23.43	24.5	0.0	
Channel				847168	85000	852832			
Frequency (MHz)				3707.50	3750	3792.50			
15	QPSK	1	1	23.45	23.43	23.40	24.5	0.0	
Channel				847050	85000	853050			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	23.51	23.50	23.40	24.5	0.0	

Part27Q_n78_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	19.37	19.37		
100	PQ2 BPSK	1	137	19.33			
100	PQ2 BPSK	1	271	19.39			20.5
100	PQ2 BPSK	135	5	19.25			20.5
100	PQ2 BPSK	135	69	19.31			20.5
100	PQ2 BPSK	135	139	19.30			20.5
100	PQ2 BPSK	270	0	19.29			20.5
100	QPSK	1	1	19.52			
100	QPSK	1	137	19.38			20.5
100	QPSK	1	271	19.47			20.5
100	QPSK	135	5	19.35			20.5
100	QPSK	135	69	19.45			20.5
100	QPSK	135	139	19.35			20.5
100	QPSK	270	0	19.30			20.5
100	8QAM	1	1	19.37			20.5
100	8QAM	1	1	19.40			20.5
100	256QAM	1	1	19.42			20.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	19.20	19.38	19.30	20.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	19.17	19.39	19.30	20.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	19.19	19.46	19.38	20.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	19.20	19.41	19.21	20.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	19.22	19.37	19.25	20.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	19.16	19.39	19.29	20.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.16	19.37	19.31	20.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	19.20	19.43	19.33	20.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.22	19.46	19.24	20.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.14	19.37	19.28	20.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.20	19.42	19.31	20.5

Part27Q_n78(HPUe)_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	22.42	22.42		
100	PQ2 BPSK	1	137	22.30			23.5
100	PQ2 BPSK	1	271	22.24			23.5
100	PQ2 BPSK	135	5	22.38			23.5
100	PQ2 BPSK	135	69	22.33			23.5
100	PQ2 BPSK	135	139	22.28			23.5
100	PQ2 BPSK	270	0	22.38			23.5
100	QPSK	1	1	22.51			23.5
100	QPSK	1	137	22.38			23.5
100	QPSK	1	271	22.38			23.5
100	QPSK	135	5	22.38			23.5
100	QPSK	135	69	22.43			23.5
100	QPSK	135	139	22.36			23.5
100	QPSK	270	0	22.35			23.5
100	8QAM	1	1	22.45			23.5
100	8QAM	1	1	22.44			23.5
100	256QAM	1	1	21.95			23.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.27	22.37	22.33	23.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.29	22.43	22.33	23.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.24	22.46	22.31	23.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.30	22.41	22.36	23.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.30	22.42	22.37	23.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.23	22.43	22.28	23.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.27	22.38	22.28	23.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.23	22.44	22.37	23.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.28	22.40	22.39	23.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.26	22.46	22.30	23.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.22	22.36	22.29	23.5

Part27Q_n78_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	19.62	19.62		
100	PQ2 BPSK	1	137	19.50			20.5
100	PQ2 BPSK	1	271	19.53			20.5
100	PQ2 BPSK	135	5	19.27			20.5
100	PQ2 BPSK	135	69	19.52			20.5
100	PQ2 BPSK	135	139	19.39			20.5
100	PQ2 BPSK	270	0	19.44			20.5
100	QPSK	1	1	19.71			20.5
100	QPSK	1	137	19.59			20.5
100	QPSK	1	271	19.62			20.5
100	QPSK	135	5	19.42			20.5
100	QPSK	135	69	19.57			20.5
100	QPSK	135	139	19.40			20.5
100	QPSK	270	0	19.51			20.5
100	8QAM	1	1	19.59			20.5
100	8QAM	1	1	19.61			20.5
100	256QAM	1	1	19.63			20.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	19.30	19.61	19.36	20.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	19.40	19.61	19.37	20.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	19.41	19.59	19.43	20.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	19.32	19.59	19.39	20.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	19.36	19.58	19.43	20.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	19.34	19.58	19.42	20.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.32	19.63	19.39	20.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	19.42	19.56	19.38	20.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.24	19.63	19.34	20.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.20	19.62	19.38	20.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.41	19.57	19.39	20.5



Part27O_n78(HPUE)_Ant 6											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)			
Channel				84868	85000	85132					
Frequency (MHz)				3745.02	3750	3754.98					
100	F1/2 BPSK	1	1	22.46			23.5	0.0			
100	F1/2 BPSK	1	137	22.39							
100	F1/2 BPSK	1	271	22.38							
100	F1/2 BPSK	135	0	22.39							
100	F1/2 BPSK	135	69	22.38			23.5	0.0			
100	F1/2 BPSK	135	138	22.21							
100	F1/2 BPSK	270	0	22.23							
100	F1/2 BPSK	270	0	22.27							
100	QPSK	1	1	22.42			23.5	0.0			
100	QPSK	1	137	22.34							
100	QPSK	1	271	22.50							
100	QPSK	135	0	22.35							
100	QPSK	135	69	22.24			23.5	0.0			
100	QPSK	135	138	22.35							
100	QPSK	270	0	22.37							
100	QPSK	1	1	22.42							
100	16QAM	1	1	22.42			23.5	0.0			
100	64QAM	1	1	21.58							
Channel				84868	85000	85132					
Frequency (MHz)				3745.02	3750	3754.98					
90	QPSK	1	1	22.20	22.50	22.26	23.5	0.0			
Channel				84834	85000	85166					
Frequency (MHz)				3740.01	3750	3759.99					
80	QPSK	1	1	22.24	22.48	22.24		23.5			
Channel				84800	85000	85200					
Frequency (MHz)				3735	3750	3765					
70	QPSK	1	1	22.25	22.45	22.20	23.5	0.0			
Channel				84768	85000	85232					
Frequency (MHz)				3730.02	3750	3769.98					
60	QPSK	1	1	22.19	22.48	22.23	23.5	0.0			
Channel				84735	85000	85265					
Frequency (MHz)				3725.01	3750	3774.99					
50	QPSK	1	1	22.28	22.46	22.25	23.5	0.0			
Channel				84700	85000	85300					
Frequency (MHz)				3720	3750	3780					
40	QPSK	1	1	22.22	22.48	22.30	23.5	0.0			
Channel				84668	85000	85332					
Frequency (MHz)				3715.02	3750	3784.98					
30	QPSK	1	1	22.22	22.52	22.21	23.5	0.0			
Channel				84630	85000	85370					
Frequency (MHz)				3712.5	3750	3787.5					
25	QPSK	1	1	22.28	22.52	22.30	23.5	0.0			
Channel				84594	85000	85396					
Frequency (MHz)				3710.51	3750	3789.50					
20	QPSK	1	1	22.24	22.48	22.30	23.5	0.0			
Channel				84568	85000	85432					
Frequency (MHz)				3707.52	3750	3792.48					
15	QPSK	1	1	22.22	22.44	22.25	23.5	0.0			
Channel				84530	85000	85500					
Frequency (MHz)				3705	3750	3795					
10	QPSK	1	1	22.22	22.51	22.26	23.5	0.0			
Channel											
Frequency (MHz)											
Channel											



Part27Q_n78_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	20.48			
100	PQ2 BPSK	1	137	20.32			21.5
100	PQ2 BPSK	1	271	20.34			0.0
100	PQ2 BPSK	135	5	20.30			21.5
100	PQ2 BPSK	135	69	20.29			0.0
100	PQ2 BPSK	135	138	20.24			21.5
100	PQ2 BPSK	270	0	20.29			0.0
100	QPSK	1	1	20.53			
100	QPSK	1	137	20.38			21.5
100	QPSK	1	271	20.43			0.0
100	QPSK	135	5	20.36			0.0
100	QPSK	135	69	20.42			21.5
100	QPSK	135	138	20.31			0.0
100	QPSK	270	0	20.37			0.0
100	8QAM	1	1	20.42			21.5
100	8QAM	1	1	20.46			0.0
100	256QAM	1	1	20.48			21.5
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.17	20.39	20.28	21.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.16	20.41	20.37	21.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.17	20.47	20.26	21.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.20	20.41	20.28	21.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.21	20.40	20.34	21.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.16	20.38	20.36	21.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.21	20.45	20.31	21.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.17	20.46	20.33	21.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.20	20.42	20.28	21.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.19	20.39	20.35	21.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.16	20.41	20.36	21.5

Part27Q_n78(HPUe)_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	23.45			
100	PQ2 BPSK	1	137	23.49			24.5
100	PQ2 BPSK	1	271	23.46			0.0
100	PQ2 BPSK	135	5	23.33			24.5
100	PQ2 BPSK	135	69	23.41			0.0
100	PQ2 BPSK	135	138	23.32			24.5
100	PQ2 BPSK	270	0	23.21			0.0
100	QPSK	1	1	23.50			
100	QPSK	1	137	23.38			24.5
100	QPSK	1	271	23.24			0.0
100	QPSK	135	5	23.41			0.0
100	QPSK	135	69	23.50			24.5
100	QPSK	135	138	23.43			0.0
100	QPSK	270	0	23.35			0.0
100	8QAM	1	1	23.46			24.5
100	8QAM	1	1	23.51			0.0
100	256QAM	1	1	21.51			22.5
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	23.27	23.49	23.35	24.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	23.27	23.46	23.34	24.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	23.30	23.49	23.28	24.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	23.34	23.46	23.29	24.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	23.28	23.47	23.28	24.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	23.36	23.50	23.32	24.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	23.33	23.48	23.32	24.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	23.28	23.48	23.32	24.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	23.29	23.55	23.37	24.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	23.29	23.44	23.29	24.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	23.26	23.34	23.34	24.5

Part27Q_n78_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				660000			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	20.69			
100	PQ2 BPSK	1	137	20.61			21.5
100	PQ2 BPSK	1	271	20.68			0.0
100	PQ2 BPSK	135	5	20.59			21.5
100	PQ2 BPSK	135	69	20.62			0.0
100	PQ2 BPSK	135	138	20.54			21.5
100	PQ2 BPSK	270	0	20.47			0.0
100	QPSK	1	1	20.79			
100	QPSK	1	137	20.72			21.5
100	QPSK	1	271	20.74			0.0
100	QPSK	135	5	20.68			0.0
100	QPSK	135	69	20.73			21.5
100	QPSK	135	138	20.61			0.0
100	QPSK	270	0	20.59			0.0
100	8QAM	1	1	20.71			21.5
100	8QAM	1	1	20.68			0.0
100	256QAM	1	1	20.68			21.5
Channel				660000			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.58	20.71	20.61	21.5
Channel				660000			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.58	20.68	20.54	21.5
Channel				660000			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.54	20.74	20.56	21.5
Channel				660000			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.55	20.73	20.57	21.5
Channel				660000			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.59	20.74	20.56	21.5
Channel				660000			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.63	20.72	20.56	21.5
Channel				660000			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.61	20.70	20.54	21.5
Channel				660000			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.64	20.64	20.58	21.5
Channel				660000			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.54	20.68	20.53	21.5
Channel				660000			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.60	20.72	20.60	21.5
Channel				660000			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.59	20.59	20.54	21.5



Part27O_n78(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000					
Frequency (MHz)				23.62					
100	PI2 BPSK	1	1		23.62		24.5	0.0	
100	PI2 BPSK	1	137		23.55				
100	PI2 BPSK	1	271		23.48				
100	PI2 BPSK	135	0		23.47				
100	PI2 BPSK	135	69		23.59				
100	PI2 BPSK	135	138		23.48		24.5	0.0	
100	PI2 BPSK	270	0		23.42				
100	QPSK	1	1		23.73				
100	QPSK	1	137		23.66				
100	QPSK	1	271		23.59				
100	QPSK	135	0		23.60		24.5	0.0	
100	QPSK	135	69		23.55				
100	QPSK	135	138		23.51				
100	QPSK	270	0		23.53				
100	16QAM	1	1		23.67				
100	64QAM	1	1		23.62				
100	256QAM	1	1		23.67		22.5	2.0	
Channel				58888	60000	60332	Turn-up limit		
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		
90	QPSK	1	1	23.48	23.60	23.66	24.5	0.0	
Channel				61323	62000	62677	Turn-off limit		
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	QPSK	1	1	23.39	23.64	23.52	24.5	0.0	
Channel				61890	62000	62100	Turn-off limit		
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1	23.37	23.67	23.54	24.5	0.0	
Channel				61954	62000	62046	Turn-off limit		
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		
60	QPSK	1	1	23.44	23.58	23.52	24.5	0.0	
Channel				61933	62000	62067	Turn-off limit		
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	QPSK	1	1	23.40	23.66	23.53	24.5	0.0	
Channel				61900	62000	62100	Turn-off limit		
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1	23.40	23.62	23.53	24.5	0.0	
Channel				61914	62000	62086	Turn-off limit		
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		
30	QPSK	1	1	23.43	23.67	23.58	24.5	0.0	
Channel				61760	62000	62200	Turn-up limit		
Frequency (MHz)				3712.8	3750	3787.5	(dBm)		
25	QPSK	1	1	23.42	23.62	23.57	24.5	0.0	
Channel				61724	62000	62200	Turn-off limit		
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		
20	QPSK	1	1	23.38	23.59	23.58	24.5	0.0	
Channel				61716	62000	62200	Turn-off limit		
Frequency (MHz)				3707.52	3750	3792.48	(dBm)		
15	QPSK	1	1	23.44	23.67	23.56	24.5	0.0	
Channel				61600	62000	62400	Turn-off limit		
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1	23.48	23.68	23.62	24.5	0.0	



n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	23.31	23.40	23.27	24.0	0.0	
40	Pl2 BPSK	1	108	23.28	23.33	23.21			
40	Pl2 BPSK	1	214	23.27	23.37	23.27			
40	Pl2 BPSK	108	0	22.77	22.92	22.83			
40	Pl2 BPSK	108	54	23.25	23.37	23.24	24.0	0.0	
40	Pl2 BPSK	108	108	22.92	23.00	22.93	23.5	0.5	
40	Pl2 BPSK	216	0	22.85	22.97	22.86			
40	QPSK	1	1	23.41	23.45	23.38	24.0	0.0	
40	QPSK	1	108	23.36	23.42	23.33			
40	QPSK	1	214	23.29	23.39	23.31			
40	QPSK	108	0	22.26	22.42	22.34			
40	QPSK	108	54	23.37	23.48	23.33	24.0	0.0	
40	QPSK	108	108	22.85	22.49	22.43	23.0	1.0	
40	QPSK	216	0	22.11	22.22	22.11			
40	16QAM	1	1	22.98	22.12	22.03	23.0	1.0	
40	16QAM	1	1	20.74	20.77	20.67			
40	256QAM	1	1	18.77	18.80	18.65	19.5	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1867.5 <th>1880</th> <th>1892.5</th> <th>(dB)</th> <th colspan="2"></th>	1880	1892.5	(dB)		
35	QPSK	1	1	23.27	23.33	23.34	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1895	(dB)		
30	QPSK	1	1	23.28	23.37	23.29	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5 <th>1880</th> <th>1897.5</th> <th>(dB)</th> <th colspan="2"></th>	1880	1897.5	(dB)		
25	QPSK	1	1	23.29	23.32	23.30	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1880	1900	(dB)		
20	QPSK	1	1	23.32	23.40	23.33	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5 <th>1880</th> <th>1902.5</th> <th>(dB)</th> <th colspan="2"></th>	1880	1902.5	(dB)		
15	QPSK	1	1	23.34	23.35	23.34	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1905	(dB)		
10	QPSK	1	1	23.31	23.40	23.29	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5 <th>1880</th> <th>1907.5</th> <th>(dB)</th> <th colspan="2"></th>	1880	1907.5	(dB)		
5	QPSK	1	1	23.28	23.40	23.32	24.0	0.0	

Reduced Power Mode for DS16									
n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	23.22	23.30	23.22	24.0	0.0	
40	Pl2 BPSK	1	108	23.14	23.18	23.16			
40	Pl2 BPSK	1	214	23.20	23.22	23.15			
40	Pl2 BPSK	108	0	22.67	22.80	22.75			
40	Pl2 BPSK	108	54	23.19	23.24	23.09	24.0	0.0	
40	Pl2 BPSK	108	108	22.86	22.91	22.88	23.5	0.5	
40	Pl2 BPSK	216	0	22.85	22.90	22.75			
40	QPSK	1	1	23.26	23.34	23.30	24.0	0.0	
40	QPSK	1	108	23.20	23.23	23.12			
40	QPSK	1	214	23.14	23.27	23.21			
40	QPSK	108	0	22.25	22.31	22.19			
40	QPSK	108	54	23.14	23.29	23.16	24.0	0.0	
40	QPSK	108	108	22.23	22.37	22.24	23.0	1.0	
40	QPSK	216	0	22.13	22.16	22.03			
40	16QAM	1	1	21.88	21.97	21.84	23.0	1.0	
40	64QAM	1	1	20.65	20.70	20.66			
40	256QAM	1	1	18.73	18.75	18.72	19.5	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1892.5	(dB)		
35	QPSK	1	1	23.20	23.28	23.22	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dB)		
30	QPSK	1	1	23.25	23.27	23.23	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dB)		
25	QPSK	1	1	23.17	23.30	23.29	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dB)		
20	QPSK	1	1	23.22	23.29	23.30	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dB)		
15	QPSK	1	1	23.23	23.29	23.21	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dB)		
10	QPSK	1	1	23.22	23.26	23.26	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5 <td>1880</td> <td>1907.5</td> <td>(dB)</td> <td colspan="2"></td>	1880	1907.5	(dB)		
5	QPSK	1	1	23.17	23.26	23.23	24.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	22.42	22.47	22.50	23.5	0.0	
40	Pl2 BPSK	1	108	22.45	22.46	22.49			
40	Pl2 BPSK	1	214	22.43	22.45	22.49			
40	Pl2 BPSK	108	0	22.49	22.56	22.48			
40	Pl2 BPSK	108	54	22.48	22.46	22.45	23.5	0.0	
40	Pl2 BPSK	108	108	22.34	22.48	22.47	23.5	0.0	
40	Pl2 BPSK	216	0	22.37	22.44	22.34			
40	QPSK	1	1	22.57	22.58	22.52	23.5	0.0	
40	QPSK	1	108	22.48	22.55	22.39			
40	QPSK	1	214	22.53	22.57	22.37			
40	QPSK	108	0	21.94	22.06	21.94			
40	QPSK	108	54	22.46	22.52	22.37	23.5	0.0	
40	QPSK	108	108	21.86	22.01	21.83	23.0	0.5	
40	QPSK	216	0	21.88	21.88	21.89			
40	16QAM	1	1	21.92	22.00	21.87	23.0	0.5	
40	16QAM	1	1	20.50	20.56	20.55			
40	256QAM	1	1	18.48	18.50	18.38	19.5	4.0	
Channel				373500	376000	378500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1867.5	1880	1892.5	(db)		
35	QPSK	1	1	22.54	22.54	22.43	23.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1895	(db)		
30	QPSK	1	1	22.46	22.51	22.41	23.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1897.5	(db)		
25	QPSK	1	1	22.46	22.53	22.45	23.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1860	1880	1900	(dbm)		
20	QPSK	1	1	22.56	22.54	22.41	23.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5	(db)		
15	QPSK	1	1	22.50	22.46	22.48	23.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1855	1880	1905	(dbm)		
10	QPSK	1	1	22.43	22.51	22.46	23.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1852.5	1880	1907.5	(dbm)		
5	QPSK	1	1	22.44	22.56	22.46	23.5	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [MHz]	Power Middle Ch. / Freq. [MHz]	Power High Ch. / Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel				166900	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.89	22.86			
20	PI2 BPSK	1	53	22.80	22.83	22.74			
20	PI2 BPSK	1	104	22.76	22.75	22.70	23.5	0.5	
20	PI2 BPSK	50	0	22.29	22.42	22.33	23.5	0.5	
20	PI2 BPSK	50	26	22.78	22.86	22.81	24.0	0.0	
20	PI2 BPSK	50	56	22.28	22.40	22.26	23.5	0.5	
20	PI2 BPSK	100	0	22.37	22.45	22.32	24.0	0.0	
20	QPSK	1	1	22.81	22.90	22.81			
20	QPSK	1	53	22.76	22.83	22.74			
20	QPSK	1	104	22.80	22.87	22.80			
20	QPSK	50	0	21.93	22.04	22.02	23.0	1.0	
20	QPSK	50	28	22.83	22.87	22.70	24.0	0.0	
20	QPSK	50	56	21.99	22.02	22.01	23.0	1.0	
20	QPSK	100	0	21.94	21.96	21.88	23.0	1.0	
20	16QAM	1	1	21.97	22.01	21.90	23.0	1.0	
20	64QAM	1	1	20.40	20.50	20.37	21.5	2.5	
20	256QAM	1	1	18.52	18.59	18.48	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	(dB)		
15	QPSK	1	1	22.81	22.76	22.70	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	(dB)		
10	QPSK	1	1	22.77	22.75	22.75	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	(dBm)		
5	QPSK	1	1	22.72	22.79	22.73	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [MHz]	Power Middle Ch. / Freq. [MHz]	Power High Ch. / Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel				166900	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.68	22.77	22.63			
20	PI2 BPSK	1	53	22.60	22.74	22.59			
20	PI2 BPSK	1	104	22.62	22.70	22.55	23.5	0.5	
20	PI2 BPSK	50	0	22.28	22.33	22.32	24.0	0.0	
20	PI2 BPSK	50	28	22.70	22.76	22.61	24.0	0.0	
20	PI2 BPSK	50	56	22.15	22.28	22.19	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.35	22.34	24.0	0.0	
20	QPSK	1	1	22.75	22.80	22.72			
20	QPSK	1	53	22.60	22.73	22.61			
20	QPSK	1	104	22.73	22.75	22.63			
20	QPSK	50	0	21.82	21.88	21.74	23.0	1.0	
20	QPSK	50	28	22.72	22.77	22.57	24.0	0.0	
20	QPSK	50	56	21.82	21.86	21.85	23.0	1.0	
20	QPSK	100	0	21.75	21.80	21.76	23.0	1.0	
20	16QAM	1	1	21.87	21.95	21.86	23.0	1.0	
20	64QAM	1	1	20.35	20.38	20.25	21.5	2.5	
20	256QAM	1	1	18.43	18.45	18.34	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	(dBm)		
15	QPSK	1	1	22.70	22.73	22.61	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	(dBm)		
10	QPSK	1	1	22.61	22.73	22.63	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	(dBm)		
5	QPSK	1	1	22.70	22.70	22.57	24.0	0.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [MHz]	Power Middle Ch. / Freq. [MHz]	Power High Ch. / Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	507000	510000	24.0	0.0	
Frequency (MHz)				2550	2535	2500			
40	PI2 BPSK	1	1	23.32	23.40	23.28			
40	PI2 BPSK	1	108	23.24	23.32	23.20			
40	PI2 BPSK	1	214	23.38	23.38	23.29	23.5	0.5	
40	PI2 BPSK	108	0	22.78	22.85	22.75	24.0	0.0	
40	PI2 BPSK	108	54	23.30	23.34	23.31	24.0	0.0	
40	PI2 BPSK	108	108	22.77	22.88	22.86	23.5	0.5	
40	PI2 BPSK	216	0	22.85	22.90	22.88	24.0	0.0	
40	QPSK	1	1	23.44	23.45	23.42			
40	QPSK	1	108	23.30	23.39	23.24			
40	QPSK	1	214	23.23	23.33	23.21			
40	QPSK	108	0	22.32	22.39	22.34	23.0	1.0	
40	QPSK	108	54	23.25	23.41	23.35	24.0	0.0	
40	QPSK	108	108	22.32	22.38	22.36	23.0	1.0	
40	QPSK	216	0	22.25	22.35	22.28	23.0	1.0	
40	16QAM	1	1	22.29	22.40	22.37	23.0	1.0	
40	64QAM	1	1	20.86	20.93	20.84	21.5	2.5	
40	256QAM	1	1	18.77	18.88	18.73	19.5	4.5	
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	(dBm)		
35	QPSK	1	1	23.32	23.39	23.31	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	23.30	23.40	23.38	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	23.29	23.30	23.31	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	23.39	23.39	23.31	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	23.35	23.31	23.30	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	23.37	23.30	23.32	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	23.36	23.31	23.31	24.0	0.0	



n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	510000	23.5	0.0	
Frequency (MHz)				2500	2535	2560			
40	Pl2 BPSK	1	1	22.58	22.63	22.59			
40	Pl2 BPSK	1	108	22.62	22.70	22.56			
40	Pl2 BPSK	1	214	22.62	22.73	22.66	23.5	0.0	
40	Pl2 BPSK	108	0	22.61	22.74	22.69			
40	Pl2 BPSK	108	54	22.56	22.68	22.56			
40	Pl2 BPSK	108	108	22.58	22.70	22.61			
40	Pl2 BPSK	216	0	22.53	22.65	22.56	23.5	0.0	
40	QPSK	1	1	22.68	22.75	22.70			
40	QPSK	1	108	22.65	22.68	22.61			
40	QPSK	1	214	22.57	22.60	22.64			
40	QPSK	108	0	22.21	22.32	22.26	23.0	0.5	
40	QPSK	108	54	22.61	22.69	22.63			
40	QPSK	108	108	22.18	22.29	22.14			
40	QPSK	216	0	22.28	22.32	22.30			
40	6QAM	1	1	22.23	22.25	22.23	23.0	0.5	
40	6QAM	1	1	20.54	20.65	20.61			
40	256QAM	1	1	18.59	18.66	18.57			
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	22.56	22.63	22.61			
Channel				503000	507000	511000		Tune-up limit (dBm)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.60	22.69	22.66		23.5	
Channel				502000	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.64	22.62	22.62		23.5	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.67	22.63	22.60		23.5	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.69	22.66	22.64		23.5	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.63	22.73	22.67		23.5	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.56	22.61	22.64		23.5	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	510000	23.5	0.0	
Frequency (MHz)				2520	2535	2560			
40	Pl2 BPSK	1	1	22.79	22.75	22.71			
40	Pl2 BPSK	1	108	22.69	22.84	22.82			
40	Pl2 BPSK	1	214	22.79	22.87	22.81	23.5	0.0	
40	Pl2 BPSK	108	0	22.77	22.82	22.75			
40	Pl2 BPSK	108	54	22.76	22.76	22.75			
40	Pl2 BPSK	108	108	22.76	22.85	22.78			
40	Pl2 BPSK	216	0	22.80	22.87	22.79	23.5	0.0	
40	QPSK	1	1	22.84	22.88	22.85			
40	QPSK	1	108	22.77	22.77	22.82			
40	QPSK	1	214	22.74	22.79	22.82			
40	QPSK	108	0	22.26	22.34	22.33	23.0	0.5	
40	QPSK	108	54	22.76	22.80	22.75			
40	QPSK	108	108	22.24	22.30	22.19			
40	QPSK	216	0	22.17	22.28	22.16			
40	6QAM	1	1	22.26	22.29	22.15	23.0	0.5	
40	6QAM	1	1	20.76	20.86	20.76			
40	256QAM	1	1	18.81	18.88	18.78			
Channel				503500	507000	510500		Tune-up limit (dBm)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	22.78	22.76	22.76		23.5	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.76	22.86	22.79		23.5	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.73	22.77	22.72		23.5	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.77	22.86	22.72		23.5	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.80	22.78	22.73		23.5	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.77	22.81	22.82		23.5	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.72	22.86	22.79		23.5	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				143000	141500	141700	706.5	707.5	
Frequency (MHz)				706.5	707.5	706.5			
15	Pl2 BPSK	1	1	22.92	23.05	22.91			
15	Pl2 BPSK	1	40	23.01	23.08	22.99			
15	Pl2 BPSK	1	77	22.90	23.01	22.97	24.0	0.0	
15	Pl2 BPSK	36	0	22.48	22.99	22.56			
15	Pl2 BPSK	36	22	22.98	23.00	22.91			
15	Pl2 BPSK	36	43	22.49	22.80	22.45			
15	Pl2 BPSK	75	0	22.46	22.52	22.43	23.5	0.5	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90			
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.00	22.02	22.00	23.0	1.0	
15	QPSK	36	22	22.95	23.06	22.91			
15	QPSK	36	43	21.91	21.92	21.91			
15	QPSK	75	0	21.91	21.96	21.83			
15	6QAM	1	1	21.94	22.06	21.99	23.0	1.0	
15	6QAM	1	1	20.00	20.72	20.84			
15	256QAM	1	1	18.54	18.55	18.54			
Channel				143000	141500	142200		Tune-up limit (dBm)	
Frequency (MHz)				704	707.5	711.1			
10	QPSK	1	1	22.99	22.96	22.82		24.0	
Channel				143000	141500	142700			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.95	23.02	22.89		24.0	



n12_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				143300	141000	141700	24.0	0.0		
Frequency (MHz)				706.5	707.5	708.5				
15	Pliz BPSK	1	1	22.72	22.85	22.79			24.0	0.0
15	Pliz BPSK	1	40	22.88	22.80	22.74				
15	Pliz BPSK	1	77	22.73	22.78	22.69				
15	Pliz BPSK	36	0	22.32	22.43	22.35				
15	Pliz BPSK	36	22	22.72	22.77	22.62	24.0	0.0		
15	Pliz BPSK	36	43	22.33	22.48	22.36	23.5	0.5		
15	Pliz BPSK	75	0	22.32	22.45	22.35	24.0	0.0		
15	QPSK	1	1	22.84	22.90	22.83				
15	QPSK	1	40	22.82	22.85	22.77				
15	QPSK	1	77	22.88	22.81	22.75				
15	QPSK	36	0	21.85	21.88	21.79	23.0	1.0		
15	QPSK	36	22	22.72	22.88	22.84	24.0	0.0		
15	QPSK	36	43	21.73	21.84	21.76	23.0	1.0		
15	QPSK	75	0	21.80	21.81	21.76	23.0	1.0		
15	16QAM	1	1	21.72	21.75	21.60				
15	64QAM	1	1	20.28	20.39	20.31				
15	256QAM	1	1	18.35	18.40	18.32				
Channel				140800	141900	142200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711	24.0	0.0		
10	QPSK	1	1	22.78	22.84	22.73				
Channel				140300	141500	142700				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	1	22.71	22.83	22.78	24.0	0.0		

n14_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				158600			24.0	0.0		
Frequency (MHz)				793						
10	Pliz BPSK	1	1		23.30					
10	Pliz BPSK	1	26		23.22					
10	Pliz BPSK	1	50		23.28			23.5	0.5	
10	Pliz BPSK	25	0		22.75			24.0	0.0	
10	Pliz BPSK	25	14		23.25			24.0	0.0	
10	Pliz BPSK	25	27		22.77			23.5	0.5	
10	Pliz BPSK	50	0		22.72			24.0	0.0	
10	QPSK	1	1		23.37					
10	QPSK	1	26		23.30			24.0	0.0	
10	QPSK	1	50		23.33			23.0	1.0	
10	QPSK	25	0		22.05			23.0	1.0	
10	QPSK	25	14		23.26			23.0	1.0	
10	QPSK	25	27		22.10			23.0	1.0	
10	QPSK	50	0		22.02			23.0	1.0	
10	16QAM	1	1		22.39			21.5	2.5	
10	16QAM	1	1		20.88			19.5	4.5	
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				793.5	793	795.5 <td data-kind="parent" data-rs="4">24.0</td> <td data-kind="parent" data-rs="4">0.0</td>	24.0	0.0		
5	QPSK	1	1	23.32	23.29	23.25				

n14_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				158600			24.0	0.0		
Frequency (MHz)				793						
10	Pv2 BPSK	1	1		23.00					
10	Pv2 BPSK	1	26		23.02					
10	Pv2 BPSK	1	50		22.96			23.5	0.5	
10	Pv2 BPSK	25	0		22.98			24.0	0.0	
10	Pv2 BPSK	25	14		22.99			24.0	0.0	
10	Pv2 BPSK	25	27		22.90			23.5	0.5	
10	Pv2 BPSK	50	0		22.54					
10	QPSK	1	1		23.07					
10	QPSK	1	26		23.03			24.0	0.0	
10	QPSK	1	50		23.00			23.0		
10	QPSK	25	0		22.10			23.0	1.0	
10	QPSK	25	14		22.96			23.0	1.0	
10	QPSK	25	27		22.02			23.0	1.0	
10	QPSK	50	0		22.02			23.0	1.0	
10	16QAM	1	1		22.00			21.5	2.5	
10	16QAM	1	1		20.44			19.5	4.5	
10	256QAM	1	1		18.50			17.5	2.5	
Channel				159100	158600	159100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				790.5	793	795.5 <td data-kind="parent" data-rs="4">24.0</td> <td data-kind="parent" data-rs="4">0.0</td>	24.0	0.0		
5	QPSK	1	1	22.90	22.95	22.85				

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	23.29	23.44	23.43	24.0	0.0	
40	Pl2 BPSK	1	108	23.34	23.40	23.27			
40	Pl2 BPSK	1	214	23.24	23.37	23.24			
40	Pl2 BPSK	108	0	22.83	22.98	22.95	23.5	0.5	
40	Pl2 BPSK	108	54	23.33	23.48	23.34	24.0	0.0	
40	Pl2 BPSK	108	108	22.75	22.90	22.87	23.5	0.5	
40	Pl2 BPSK	216	0	22.34	22.95	22.81			
40	QPSK	1	1	23.45	23.50	23.37			
40	QPSK	1	108	23.32	23.41	23.34	24.0	0.0	
40	QPSK	1	214	23.31	23.45	23.33			
40	QPSK	108	0	22.47	22.50	22.38		23.0	
40	QPSK	108	54	23.25	23.44	23.35	24.0	0.0	
40	QPSK	108	108	22.34	22.42	22.37	23.0	1.0	
40	QPSK	216	0	22.40	22.45	22.43			
40	16QAM	1	1	22.32	22.47	22.41	23.0	1.0	
40	64QAM	1	1	20.88	21.00	20.88	21.5	2.5	
40	256QAM	1	1	18.88	18.92	18.79	19.5	4.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1867.5	1882.5	1897.5	(dB)		
35	QPSK	1	1	23.34	23.44	23.26	24.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900	(dB)		
30	QPSK	1	1	23.38	23.39	23.29	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	(dB)		
25	QPSK	1	1	23.31	23.38	23.25	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905	(dB)		
20	QPSK	1	1	23.33	23.43	23.30	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1882.5	1912.5	(dB)		
15	QPSK	1	1	23.37	23.39	23.28	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1910	(dB)		
10	QPSK	1	1	23.39	23.44	23.26	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1912.5	(dB)		
5	QPSK	1	1	23.31	23.35	23.30	24.0	0.0	

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	23.12	23.25	23.23	24.0	0.0	
40	Pl2 BPSK	1	108	23.18	23.23	23.12			
40	Pl2 BPSK	1	214	23.15	23.24	23.23			
40	Pl2 BPSK	108	0	23.00	23.04	22.91	23.5	0.5	
40	Pl2 BPSK	108	54	23.32	23.35	23.33	24.0	0.0	
40	Pl2 BPSK	108	108	22.84	23.05	22.83	23.5	0.5	
40	Pl2 BPSK	216	0	22.83	22.97	22.82			
40	QPSK	1	1	23.37	23.40	23.34			
40	QPSK	1	108	23.26	23.38	23.31	24.0	0.0	
40	QPSK	1	214	23.28	23.36	23.27			
40	QPSK	108	0	22.36	22.47	22.43		23.0	
40	QPSK	108	54	23.25	23.33	23.30	24.0	0.0	
40	QPSK	108	108	22.32	22.45	22.32	23.0	1.0	
40	QPSK	216	0	22.39	22.42	22.29			
40	16QAM	1	1	22.34	22.40	22.30	23.0	1.0	
40	64QAM	1	1	20.88	20.90	20.77	21.5	2.5	
40	256QAM	1	1	18.82	18.88	18.74	19.5	4.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5			
35	QPSK	1	1	23.18	23.23	23.15	24.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	23.21	23.22	23.18	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.22	23.22	23.18	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	23.25	23.24	23.22	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1912.5			
15	QPSK	1	1	23.27	23.20	23.21	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	23.27	23.25	23.24	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	23.26	23.27	23.15	24.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	22.58	22.84	22.68	23.5	0.0	
40	Pl2 BPSK	1	108	22.61	22.76	22.62			
40	Pl2 BPSK	1	214	22.57	22.70	22.64			
40	Pl2 BPSK	108	0	22.60	22.76	22.56	23.5	0.0	
40	Pl2 BPSK	108	54	22.59	22.87	22.62	23.5	0.0	
40	Pl2 BPSK	108	108	22.59	22.82	22.85	23.5	0.0	
40	Pl2 BPSK	216	0	22.55	22.85	22.62			
40	QPSK	1	1	22.66	22.77	22.69			
40	QPSK	1	108	22.55	22.85	22.57	23.5	0.0	
40	QPSK	1	214	22.57	22.70	22.65			
40	QPSK	108	0	22.26	22.52	22.25			
40	QPSK	108	54	22.51	22.67	22.55	23.5	0.0	
40	QPSK	108	108	22.11	22.26	22.20	23.0	0.5	
40	QPSK	216	0	22.19	22.27	22.17			
40	16QAM	1	1	22.07	22.22	22.13	23.0	0.5	
40	64QAM	1	1	20.69	20.76	20.61	21.5	2.0	
40	256QAM	1	1	18.68	18.70	18.59	19.5	4.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1867.5	1882.5	1897.5	(dB)		
35	QPSK	1	1	22.63	22.64	22.61	23.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900	(dB)		
30	QPSK	1	1	22.66	22.62	22.62	23.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	(dB)		
25	QPSK	1	1	22.63	22.71	22.62	23.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905	(dB)		
20	QPSK	1	1	22.54	22.71	22.61	23.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1882.5	1912.5	(dB)		
15	QPSK	1	1	22.55	22.75	22.65	23.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910	(dB)		
10	QPSK	1	1	22.86	22.86	22.82	23.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	(dB)		
5	QPSK	1	1	22.85	22.70	22.63	23.5	0.0	



n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				831.5	831.5	836			
20	Pl2 BPSK	1	1	22.88	22.93	23.02	24.0	0.0	
20	Pl2 BPSK	1	53	22.84	22.76	22.90			
20	Pl2 BPSK	1	104	22.93	22.93	22.96			
20	Pl2 BPSK	50	0	22.44	22.43	22.47	23.5	0.5	
20	Pl2 BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	Pl2 BPSK	50	56	22.39	22.45	22.52	23.5	0.5	
20	Pl2 BPSK	100	0	22.40	22.47	22.50	24.0	0.0	
20	QPSK	1	1	23.03	23.01	23.05			
20	QPSK	1	53	23.01	22.95	23.04			
20	QPSK	1	104	22.97	22.93	23.00	23.0	1.0	
20	QPSK	50	0	21.92	21.92	22.07			
20	QPSK	50	28	22.91	22.96	22.96			
20	QPSK	50	56	22.07	21.96	22.10	23.0	1.0	
20	QPSK	100	0	22.02	21.99	22.05	23.0	1.0	
20	16QAM	1	1	21.89	21.95	22.00			
20	64QAM	1	1	20.59	20.46	20.60			
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.94	22.95	22.98	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	836			
20	Pl2 BPSK	1	1	22.96	22.89	23.02	24.0	0.0	
20	Pl2 BPSK	1	53	22.78	22.75	22.90			
20	Pl2 BPSK	1	104	22.91	22.95	22.96			
20	Pl2 BPSK	50	0	22.34	22.36	22.47	23.5	0.5	
20	Pl2 BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	Pl2 BPSK	50	56	22.39	22.50	22.52	23.5	0.5	
20	Pl2 BPSK	100	0	22.40	22.35	22.50	24.0	0.0	
20	QPSK	1	1	22.97	23.01	23.05			
20	QPSK	1	53	22.93	22.94	23.04			
20	QPSK	1	104	22.92	22.96	23.00	23.0	1.0	
20	QPSK	50	0	21.93	21.99	22.07			
20	QPSK	50	28	22.95	22.91	22.96			
20	QPSK	50	56	22.02	21.95	22.10	23.0	1.0	
20	QPSK	100	0	21.96	21.95	22.05	23.0	1.0	
20	16QAM	1	1	21.85	21.87	22.00			
20	64QAM	1	1	20.59	20.59	20.60			
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				834.5	831.5	836.5			
20	Pl2 BPSK	1	1	22.76	22.79	22.87	24.0	0.0	
20	Pl2 BPSK	1	53	22.81	22.80	22.85			
20	Pl2 BPSK	1	104	22.74	22.77	22.79			
20	Pl2 BPSK	50	0	22.50	22.47	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.38	22.32	22.42	23.5	0.5	
20	Pl2 BPSK	100	0	22.33	22.37	22.44	24.0	0.0	
20	QPSK	1	1	22.97	22.87	22.88			
20	QPSK	1	53	22.75	22.70	22.80			
20	QPSK	1	104	22.84	22.84	22.77	23.0	1.0	
20	QPSK	50	0	21.77	21.75	21.90			
20	QPSK	50	28	22.75	22.74	22.83			
20	QPSK	50	56	21.85	21.91	21.95	23.0	1.0	
20	QPSK	100	0	21.84	21.76	21.90	23.0	1.0	
20	16QAM	1	1	21.84	21.83	21.88			
20	64QAM	1	1	20.29	20.26	20.35			
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.85			
20	Pl2 BPSK	1	104	22.75	22.74	22.76	23.5	0.5	
20	Pl2 BPSK	50	0	22.49	22.40	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42	23.5	0.5	
20	Pl2 BPSK	100	0	22.33	22.32	22.44	24.0	0.0	
20	QPSK	1	1	22.60	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80			
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.81	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.76	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95	23.0	1.0	
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	8QAM	1	1	21.76	21.73	21.88	23.0	1.0	
20	8QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	838.5	24.0	0.0	
15	QPSK	1	1	22.72	22.69	22.83	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.75	22.67	22.78	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			24.0	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1		23.42					23.5	0.5	
10	Pl2 BPSK	1	26		23.38							
10	Pl2 BPSK	1	50		23.47							
10	Pl2 BPSK	25	0		23.01							
10	Pl2 BPSK	25	14		23.48		23.5	0.0				
10	Pl2 BPSK	25	27		23.05		24.0	0.5				
10	Pl2 BPSK	50	0		23.03		24.0	0.0				
10	QPSK	1	1		23.50							
10	QPSK	1	26		23.45							
10	QPSK	1	50		23.47							
10	QPSK	25	0		22.46		23.0	1.0				
10	QPSK	25	14		23.43		24.0	0.0				
10	QPSK	25	27		22.49		23.0	1.0				
10	QPSK	50	0		22.45		23.0	1.0				
10	16QAM	1	1		22.48		23.0	1.0				
10	64QAM	1	1		20.96		21.5	2.5				
10	256QAM	1	1		19.00		19.5	4.5				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0				
5	QPSK	1	1	23.45	23.49	23.41	24.0	0.0				

n30_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			23.5	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1		22.93							
10	Pl2 BPSK	1	26		22.93							
10	Pl2 BPSK	1	50		22.95		23.5	0.0				
10	Pl2 BPSK	25	0		22.97		23.5	0.0				
10	Pl2 BPSK	25	14		22.94		23.5	0.0				
10	Pl2 BPSK	25	27		22.91		23.5	0.0				
10	Pl2 BPSK	50	0		22.97		23.5	0.0				
10	QPSK	1	1		23.00							
10	QPSK	1	26		22.93							
10	QPSK	1	50		22.98							
10	QPSK	25	0		22.41		23.0	0.5				
10	QPSK	25	14		22.85		23.5	0.0				
10	QPSK	25	27		22.50		23.0	0.5				
10	QPSK	50	0		22.55		23.0	0.5				
10	16QAM	1	1		22.40		23.0	0.5				
10	64QAM	1	1		20.88		21.5	2.0				
10	256QAM	1	1		18.97		19.5	4.0				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	23.5	0.0				
5	QPSK	1	1	22.94	22.97	22.96	23.5	0.0				



n30_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1		23.15				
10	Pl2 BPSK	1	26		23.09		24.0	0.0	
10	Pl2 BPSK	1	50		23.12		23.5	0.5	
10	Pl2 BPSK	25	0		22.67		24.0	0.0	
10	Pl2 BPSK	25	14		23.13		24.0	0.0	
10	Pl2 BPSK	25	27		22.69		23.5	0.5	
10	Pl2 BPSK	50	0		22.65				
10	QPSK	1	1		23.18				
10	QPSK	1	26		23.12		24.0	0.0	
10	QPSK	1	50		23.07				
10	QPSK	25	0		22.22		23.0	1.0	
10	QPSK	25	14		23.10		24.0	0.0	
10	QPSK	25	27		22.18		23.0	1.0	
10	QPSK	50	0		22.15		23.0	1.0	
10	16QAM	1	1		22.00		23.0	1.0	
10	64QAM	1	1		20.55		21.5	2.5	
10	256QAM	1	1		18.53		19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1			22.97	23.11	22.99	24.0	0.0

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1		22.79	22.90	22.88		
40	Pl2 BPSK	1	108		22.77	22.85	22.78	24.0	0.0
40	Pl2 BPSK	1	214		22.77	22.88	22.80		
40	Pl2 BPSK	108	0		22.68	22.79	22.66	24.0	0.0
40	Pl2 BPSK	108	54		22.62	22.77	22.70	24.0	0.0
40	Pl2 BPSK	108	108		22.72	22.85	22.83		
40	Pl2 BPSK	216	0		22.74	22.83	22.80	24.0	0.0
40	QPSK	1	1		22.94	23.00	22.98		
40	QPSK	1	108		22.90	22.97	22.96	24.0	0.0
40	QPSK	1	214		22.85	22.91	22.78		
40	QPSK	108	0		22.71	22.84	22.82	24.0	0.0
40	QPSK	108	54		22.81	22.90	22.88	24.0	0.0
40	QPSK	108	108		22.75	22.88	22.87		
40	QPSK	216	0		22.88	22.92	22.80	24.0	0.0
40	16QAM	1	1		22.88	22.96	22.89	24.0	0.0
40	64QAM	1	1		21.43	21.45	21.36	22.5	1.5
40	256QAM	1	1		19.27	19.42	19.28	20.5	3.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1		22.82	22.91	22.88	24.0	0.0
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1		22.70	22.89	22.92	24.0	0.0
Channel				345500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1		22.82	22.91	22.85	24.0	0.0
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1		22.87	22.91	22.91	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1		22.83	22.91	22.88	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1		22.83	22.89	22.91	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1		22.85	22.90	22.88	24.0	0.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1		22.98	23.00	22.87		
40	Pl2 BPSK	1	108		22.90	23.04	23.03	24.0	0.0
40	Pl2 BPSK	1	214		22.82	22.95	22.92		
40	Pl2 BPSK	108	0		22.80	22.94	22.85	24.0	0.0
40	Pl2 BPSK	108	54		22.91	22.96	22.91	24.0	0.0
40	Pl2 BPSK	108	108		22.88	22.95	22.88		
40	Pl2 BPSK	216	0		22.84	22.92	22.77	24.0	0.0
40	QPSK	1	1		22.98	23.06	22.98		
40	QPSK	1	108		22.85	22.96	22.84	24.0	0.0
40	QPSK	1	214		22.83	22.91	22.85		
40	QPSK	108	0		22.83	22.95	22.87	24.0	0.0
40	QPSK	108	54		22.97	23.05	23.01	24.0	0.0
40	QPSK	108	108		22.93	22.94	22.87		
40	QPSK	216	0		22.90	22.97	22.87	24.0	0.0
40	16QAM	1	1		22.80	22.90	22.86	24.0	0.0
40	64QAM	1	1		21.36	21.48	21.36	22.5	1.5
40	256QAM	1	1		19.37	19.45	19.31	20.5	3.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1		22.91	22.91	22.84	24.0	0.0
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1		22.91	22.92	22.84	24.0	0.0
Channel				345500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1		22.82	22.93	22.83	24.0	0.0
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1		22.83	22.99	22.84	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1		22.88	22.97	22.92	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1		22.83	22.91	22.92	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1		22.88	22.94	22.93	24.0	0.0



n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	35000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	23.28	23.40	23.30			
40	Pl2 BPSK	1	108	23.31	23.32	23.27	23.5	0.5	
40	Pl2 BPSK	1	214	23.27	23.38	23.31			
40	Pl2 BPSK	108	0	22.91	22.94	22.87			
40	Pl2 BPSK	108	54	23.37	23.41	23.34	23.5	0.5	
40	Pl2 BPSK	108	108	22.86	22.90	22.88			
40	Pl2 BPSK	216	0	22.91	22.97	22.92			
40	QPSK	1	1	23.35	23.44	23.30	24.0	0.0	
40	QPSK	1	108	23.32	23.40	23.27			
40	QPSK	1	214	23.29	23.37	23.29			
40	QPSK	108	0	22.34	22.38	22.37	24.0	1.0	
40	QPSK	108	54	23.31	23.40	23.26			
40	QPSK	108	108	22.24	22.33	22.18			
40	QPSK	216	0	22.30	22.35	22.24	23.0	1.0	
40	6QAM	1	1	22.34	22.37	22.34			
40	6QAM	1	1	20.75	20.85	20.79		2.5	
40	256QAM	1	1	18.69	18.80	18.69			
Channel				34500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5	(dBm)	(dB)	
35	QPSK	1	1	23.09	23.39	23.22	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	23.21	23.34	23.18	24.0	0.0	
Channel				345500	349500	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	23.31	23.31	23.23	24.0	0.0	
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	23.21	23.38	23.25	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	23.27	23.32	23.17	24.0	0.0	
Channel				343000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	23.28	23.34	23.24	24.0	0.0	
Channel				342500	348000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	23.21	23.31	23.22	24.0	0.0	

n70_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	34000	24.0	0.0	
Frequency (MHz)				1702.5	1702.5	1702.5			
15	Pl2 BPSK	1	1	23.68	23.68	23.63			
15	Pl2 BPSK	1	40	23.63	23.63	23.63	23.5	0.5	
15	Pl2 BPSK	1	77	23.60	23.60	23.60			
15	Pl2 BPSK	36	0	23.19	23.19	23.15			
15	Pl2 BPSK	36	22	23.62	23.62	23.60	23.5	0.5	
15	Pl2 BPSK	36	43	23.10	23.10	23.15			
15	Pl2 BPSK	75	0	23.15	23.15	23.15			
15	QPSK	1	1	23.70	23.70	23.62	24.0	0.0	
15	QPSK	1	40	23.62	23.62	23.65			
15	QPSK	1	77	23.65	23.65	23.60		1.0	
15	QPSK	36	0	22.60	22.60	22.66	24.0	0.0	
15	QPSK	36	22	23.06	23.06	23.02			
15	QPSK	36	43	22.70	22.70	22.70		23.0	
15	QPSK	75	0	22.67	22.67	22.67	23.0	1.0	
15	6QAM	1	1	22.59	22.59	22.59			
15	6QAM	1	1	21.20	21.20	21.20	19.5	4.5	
15	256QAM	1	1	19.20	19.20	19.20			
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)	
10	QPSK	1	1	23.07	23.03	23.04	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)	
5	QPSK	1	1	23.32	23.32	23.38	24.0	0.0	

n70_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	34000	24.0	0.0	
Frequency (MHz)				1702.5	1702.5	1702.5			
15	Pl2 BPSK	1	1	22.95	22.95	22.88			
15	Pl2 BPSK	1	40	22.88	22.88	22.90	23.5	0.5	
15	Pl2 BPSK	1	77	22.90	22.90	22.86			
15	Pl2 BPSK	36	0	22.45	22.45	22.42			
15	Pl2 BPSK	36	22	22.96	22.96	22.96	23.5	0.5	
15	Pl2 BPSK	36	43	22.42	22.42	22.42			
15	Pl2 BPSK	75	0	22.50	22.50	22.50			
15	QPSK	1	1	23.00	23.00	22.90	24.0	0.0	
15	QPSK	1	40	22.90	22.90	22.94			
15	QPSK	1	77	22.94	22.94	22.96		23.0	
15	QPSK	36	0	22.06	22.06	22.02	24.0	0.0	
15	QPSK	36	22	23.02	23.02	23.02			
15	QPSK	36	43	22.02	22.02	22.02		23.0	
15	QPSK	75	0	22.00	22.00	22.06	23.0	1.0	
15	6QAM	1	1	22.06	22.06	22.06			
15	6QAM	1	1	20.55	20.55	20.55	19.5	4.5	
15	256QAM	1	1	19.60	19.60	19.60			
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)	
10	QPSK	1	1	22.91	22.95	22.86	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)	
5	QPSK	1	1	22.87	22.91	22.77	24.0	0.0	



n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000	1702.5				
Frequency (MHz)				1702.5					
15	Pl2 BPSK	1	1		23.40			24.0	0.0
15	Pl2 BPSK	1	40		23.33				
15	Pl2 BPSK	1	77		23.35				
15	Pl2 BPSK	36	0		22.88			23.5	0.5
15	Pl2 BPSK	36	22		23.35			24.0	0.0
15	Pl2 BPSK	36	43		22.85			23.5	0.5
15	Pl2 BPSK	76	0		22.90				
15	QPSK	1	1		23.42			24.0	0.0
15	QPSK	1	40		23.35				
15	QPSK	1	77		23.31				
15	QPSK	36	0		22.50			23.0	1.0
15	QPSK	36	22		23.37			24.0	0.0
15	QPSK	36	43		22.44			23.0	1.0
15	QPSK	75	0		22.48			23.0	1.0
15	64QAM	1	1		22.49			23.0	1.0
15	64QAM	1	1		21.00			21.5	2.5
15	256QAM	1	1		19.00			19.5	4.5
Channel				340000	340900	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	23.32	23.36	23.30	24.0	0.0	
Channel				339900	340900	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.31	23.35	23.31	24.0	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134000	134100	137600			
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1	23.03	23.03	23.07		24.0	0.0
20	Pl2 BPSK	1	53	22.91	23.04	23.01			
20	Pl2 BPSK	1	104	23.06	23.02	23.02			
20	Pl2 BPSK	50	0	22.72	22.60	22.69		23.5	0.5
20	Pl2 BPSK	50	28	23.06	23.03	23.04		24.0	0.0
20	Pl2 BPSK	50	56	22.68	22.61	22.63		23.5	0.5
20	Pl2 BPSK	100	0	22.62	22.55	22.55			
20	QPSK	1	1	23.07	23.14	23.10		24.0	0.0
20	QPSK	1	53	23.05	23.04	22.96			
20	QPSK	1	104	23.03	23.12	22.88			
20	QPSK	50	0	22.06	22.15	22.09		23.0	1.0
20	QPSK	50	28	22.97	23.10	23.07		24.0	0.0
20	QPSK	50	56	22.14	22.11	22.13		23.0	1.0
20	QPSK	100	0	22.03	22.05	22.03			
20	64QAM	1	1	22.03	22.15	22.02		23.0	1.0
20	64QAM	1	1	20.57	20.68	20.61		21.5	2.5
20	256QAM	1	1	18.63	18.68	18.55		19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5			
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.06	23.06	22.96	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	1	22.06	23.03	22.99	24.0	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	134100	137600			
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1	22.72	22.82	22.79		24.0	0.0
20	Pl2 BPSK	1	53	22.69	22.75	22.74			
20	Pl2 BPSK	1	104	22.69	22.60	22.65			
20	Pl2 BPSK	50	0	22.34	22.44	22.36		23.5	0.5
20	Pl2 BPSK	50	28	22.79	22.80	22.78		24.0	0.0
20	Pl2 BPSK	50	56	22.36	22.39	22.35		23.5	0.5
20	Pl2 BPSK	100	0	22.32	22.33	22.34			
20	QPSK	1	1	22.77	22.85	22.75		24.0	0.0
20	QPSK	1	53	22.68	22.77	22.73			
20	QPSK	1	104	22.69	22.83	22.69			
20	QPSK	50	0	21.79	21.89	21.84		23.0	1.0
20	QPSK	50	28	22.72	22.80	22.71		24.0	0.0
20	QPSK	50	56	21.87	21.90	21.83		23.0	1.0
20	QPSK	100	0	21.73	21.82	21.67			
20	64QAM	1	1	21.83	21.86	21.76		23.0	1.0
20	64QAM	1	1	20.37	20.39	20.33		21.5	2.5
20	256QAM	1	1	18.30	18.40	18.32		19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5			
15	QPSK	1	1	22.67	22.75	22.68	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.66	22.74	22.63	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	1	22.66	22.78	22.63	24.0	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dlim)	MPR (dli)	
Channel									
Frequency (MHz)				518004	518000	519996			
				2585	2595	2609.98			
40	Pl2 BPSK	1	1	22.94	23.05	22.99			
40	Pl2 BPSK	1	53	22.81	22.96	22.87	24.0		0.0
40	Pl2 BPSK	1	104	22.80	22.82	22.79			
40	Pl2 BPSK	50	0	22.98	23.00	22.98	24.0		0.0
40	Pl2 BPSK	50	28	22.98	22.99	22.97	24.0		0.0
40	Pl2 BPSK	50	56	22.68	22.75	22.60	24.0		0.0
40	Pl2 BPSK	100	0	22.89	22.98	22.93			
40	QPSK	1	1	23.04	23.10	23.08			
40	QPSK	1	53	22.92	23.02	22.90	24.0		0.0
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5		0.5
40	QPSK	50	28	22.74	22.95	22.86	24.0		0.0
40	QPSK	50	56	22.15	22.30	22.24	23.5		0.5
40	QPSK	100	0	22.44	22.45	22.43	23.5		0.5
40	16QAM	1	1	22.43	22.50	22.38	23.5		0.5
40	64QAM	1	1	20.95	20.96	20.81	22.0		2.0
40	256QAM	1	1	18.88	18.97	18.88	20.0		4.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up time (dlim)	MPR (dli)	
				2585.01	2595	2604.99			
30	QPSK	1	1	22.93	23.03	22.97	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	521498	Tune-up time (dlim)	MPR (dli)	
				2582.52	2595	2607.48			
25	QPSK	1	1	22.93	23.02	22.96	24.0		0.0
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up time (dlim)	MPR (dli)	
				2580	2595	2610			
20	QPSK	1	1	22.91	23.01	22.93	24.0		0.0
Channel									
Frequency (MHz)				515902	519000	522498	Tune-up time (dlim)	MPR (dli)	
				2577.51	2595	2612.49			
15	QPSK	1	1	22.95	23.04	22.94	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998	Tune-up time (dlim)	MPR (dli)	
				2575.02	2595	2614.98			
10	QPSK	1	1	22.99	23.01	22.94	24.0		0.0

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	22.92	23.00	22.86			
40	Pl2 BPSK	1	53	22.91	22.92	22.78	24.0	0.0	
40	Pl2 BPSK	1	104	22.84	22.75	22.64			
40	Pl2 BPSK	50	0	22.86	22.96	22.92	24.0	0.0	
40	Pl2 BPSK	50	28	22.87	22.92	22.82	24.0	0.0	
40	Pl2 BPSK	50	56	22.72	22.80	22.74	24.0	0.0	
40	Pl2 BPSK	100	0	22.87	22.88	22.80			
40	QPSK	1	1	23.00	23.05	23.05			
40	QPSK	1	53	22.80	22.90	22.83	24.0	0.0	
40	QPSK	1	104	22.82	22.77	22.75			
40	QPSK	50	0	22.43	22.45	22.36	23.5	0.5	
40	QPSK	50	28	22.71	22.82	22.71	24.0	0.0	
40	QPSK	50	56	22.36	22.40	22.38	23.5	0.5	
40	QPSK	100	0	22.37	22.38	22.29	23.5	0.5	
40	16QAM	1	1	22.36	22.38	22.25	23.5	0.5	
40	64QAM	1	1	20.78	20.90	20.75	22.0	2.0	
40	256QAM	1	1	18.84	18.85	18.83	20.0	4.0	
Channel									
Frequency (MHz)				517002 <th>519000<th>520998</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	519000 <th>520998</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	520998	Tune-up limit (dBm)	MPR (dB)	
				2585.01 <th>2595<th>2604.99<th></th><th></th><th></th></th></th>	2595 <th>2604.99<th></th><th></th><th></th></th>	2604.99 <th></th> <th></th> <th></th>			
30	QPSK	1	1	22.84	22.90	22.88	24.0	0.0	
Channel									
Frequency (MHz)				518004 <th>519000<th>521498</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	519000 <th>521498</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	521498	Tune-up limit (dBm)	MPR (dB)	
				2582.52 <th>2595<th>2607.48</th><th></th><th></th><th></th></th>	2595 <th>2607.48</th> <th></th> <th></th> <th></th>	2607.48			
25	QPSK	1	1	22.75	23.00	22.85	24.0	0.0	
Channel									
Frequency (MHz)				518000 <th>519000<th>522000</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	519000 <th>522000</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	522000	Tune-up limit (dBm)	MPR (dB)	
				2580 <th>2595<th>2610<th></th><th></th><th></th></th></th>	2595 <th>2610<th></th><th></th><th></th></th>	2610 <th></th> <th></th> <th></th>			
20	QPSK	1	1	22.84	22.90	22.90	24.0	0.0	
Channel									
Frequency (MHz)				515902 <th>519000<th>522498</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	519000 <th>522498</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	522498	Tune-up limit (dBm)	MPR (dB)	
				2577.51 <th>2595<th>2612.49</th><th></th><th></th><th></th></th>	2595 <th>2612.49</th> <th></th> <th></th> <th></th>	2612.49			
15	QPSK	1	1	22.77	22.90	22.88	24.0	0.0	
Channel									
Frequency (MHz)				518004 <th>519000<th>522998</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	519000 <th>522998</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	522998	Tune-up limit (dBm)	MPR (dB)	
				2575.02 <th>2595<th>2614.98</th><th></th><th></th><th></th></th>	2595 <th>2614.98</th> <th></th> <th></th> <th></th>	2614.98			
10	QPSK	1	1	22.83	22.90	22.89	24.0	0.0	

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2580.02	2595	2599.98			
40	Pv2 BPSK	1	1	22.57	22.53	22.58			
40	Pv2 BPSK	1	53	22.51	22.65	22.47	23.5	0.0	
40	Pv2 BPSK	1	104	22.45	22.62	22.47			
40	Pv2 BPSK	50	0	22.53	22.53	22.59	23.5	0.0	
40	Pv2 BPSK	50	28	22.47	22.61	22.61	23.5	0.0	
40	Pv2 BPSK	50	56	22.46	22.56	22.47	23.5	0.0	
40	Pv2 BPSK	100	0	22.52	22.63	22.50			
40	QPSK	1	1	22.60	22.66	22.62			
40	QPSK	1	53	22.48	22.58	22.55	23.5	0.0	
40	QPSK	1	104	22.47	22.59	22.47			
40	QPSK	50	0	22.39	22.49	22.36	23.5	0.0	
40	QPSK	50	28	22.65	22.63	22.62	23.5	0.0	
40	QPSK	50	56	22.43	22.45	22.30	23.5	0.0	
40	QPSK	100	0	22.29	22.40	22.35	23.5	0.0	
40	16QAM	1	1	22.36	22.48	22.39	23.5	0.0	
40	64QAM	1	1	20.96	21.00	20.94	22.0	1.5	
40	256QAM	1	1	18.94	18.96	18.87	20.0	3.5	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up time (dBm)	MPR (dB)	
				2585.01	2595	2604.99			
30	QPSK	1	1	22.49	22.53	22.48	23.5	0.0	
Channel									
Frequency (MHz)				518004	519000	521498	Tune-up time (dBm)	MPR (dB)	
				2582.52	2595	2607.48			
25	QPSK	1	1	22.51	22.54	22.55	23.5	0.0	
Channel									
Frequency (MHz)				518000	519000	522000	Tune-up time (dBm)	MPR (dB)	
				2580	2595	2610			
20	QPSK	1	1	22.47	22.65	22.47	23.5	0.0	
Channel									
Frequency (MHz)				515902	519000	522498	Tune-up time (dBm)	MPR (dB)	
				2577.51	2595	2612.49			
15	QPSK	1	1	22.55	22.53	22.56	23.5	0.0	
Channel									
Frequency (MHz)				518004	519000	522998	Tune-up time (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
10	QPSK	1	1	22.53	22.58	22.59	23.5	0.0	



FCC_n41_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528002			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	23.28	23.41	23.30			
100	Pl2 BPSK	1	137	23.28	23.35	23.23	24.0	0.0	
100	Pl2 BPSK	1	271	23.32	23.34	23.25			
100	Pl2 BPSK	135	0	23.25	23.34	23.27	24.0	0.0	
100	Pl2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0	
100	Pl2 BPSK	135	138	23.27	23.42	23.33			
100	Pl2 BPSK	270	0	23.32	23.40	23.27	24.0	0.0	
100	QPSK	1	1	23.38	23.45	23.31			
100	QPSK	1	137	23.28	23.38	23.30	24.0	0.0	
100	QPSK	1	271	23.19	23.34	23.27			
100	QPSK	135	0	23.22	23.31	23.24	24.0	0.0	
100	QPSK	135	69	23.18	23.35	23.15	24.0	0.0	
100	QPSK	135	138	23.24	23.38	23.29			
100	QPSK	270	0	23.40	23.42	23.28	24.0	0.0	
100	16QAM	1	1	23.30	23.37	23.31	24.0	0.0	
100	16QAM	1	1	23.30	23.31	23.22	24.0	0.0	
100	256QAM	1	1	21.83	21.95	21.87	22.5	1.5	
Channel				506200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2592.99	2643.98			
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2592.99	2649.99			
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0	
Channel				508202	518598	531002	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.01	2592.99	2655			
70	QPSK	1	1	23.26	23.33	23.18	24.0	0.0	
Channel				509200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2592.99	2649.99			
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0	
Channel				504204	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2654.99			
50	QPSK	1	1	23.33	23.30	23.19	24.0	0.0	
Channel				505202	518598	530002	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0	
Channel				502200	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	23.26	23.38	23.21	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2608.51	2592.99	2677.5			
25	QPSK	1	1	23.19	23.32	23.04	24.0	0.0	
Channel				501204	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0	
Channel				500700	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2603.5	2592.99	2682.48			
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2601.01	2592.99	2685			
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0	

FCC_n41(HPUE)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528002			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	26.17	26.30	26.22			
100	Pl2 BPSK	1	137	25.89	26.02	25.95	27.0	0.0	
100	Pl2 BPSK	1	271	26.79	26.90	26.84			
100	Pl2 BPSK	135	0	25.51	25.62	25.55	28.5	0.5	
100	Pl2 BPSK	135	69	25.88	26.01	25.95	27.0	0.0	
100	Pl2 BPSK	135	138	25.18	25.33	25.25			
100	Pl2 BPSK	270	0	25.37	25.52	25.44	28.5	0.5	
100	QPSK	1	1	26.17	26.32	26.23			
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0	
100	QPSK	1	271	25.82	25.94	25.86			
100	QPSK	135	0	25.07	25.10	25.01	28.0	1.0	
100	QPSK	135	69	25.06	25.08	25.05	27.0	0.0	
100	QPSK	135	138	25.03	25.05	25.08			
100	QPSK	270	0	24.95	25.08	25.00	28.0	1.0	
100	16QAM	1	1	25.14	25.25	25.16	28.0	1.0	
100	16QAM	1	1	23.62	23.72	23.62	24.5	2.5	
100	256QAM	1	1	21.85	21.77	21.87	22.5	4.5	
Channel				506200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2592.99	2643.98			
90	QPSK	1	1	26.04	26.18	26.18	27.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2592.99	2649.99			
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0	
Channel				508202	518598	531002	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.01	2592.99	2655			
70	QPSK	1	1	26.06	26.17	26.10	27.0	0.0	
Channel				509200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2592.99	2649.99			
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0	
Channel				504204	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2654.99			
50	QPSK	1	1	26.10	26.20	26.18	27.0	0.0	
Channel				505202	518598	530002	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	26.02	26.25	26.09	27.0	0.0	
Channel				502200	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2608.51	2592.99	2677.5			
25	QPSK	1	1	26.05	26.25	26.25	27.0	0.0	
Channel				501204	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	26.08	26.17	26.18	27.0	0.0	
Channel				500700	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2603.5	2592.99	2682.48			
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2601.01	2592.99	2685			
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0	



FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P22 BPSK	1	1	23.31	23.41	23.33			
100	P22 BPSK	1	137	23.33	23.39	23.29	24.0	0.0	
100	P22 BPSK	1	271	23.32	23.31	23.25			
100	P22 BPSK	135	9	23.25	23.30	23.15	24.0	0.0	
100	P22 BPSK	135	69	23.21	23.33	23.31	24.0	0.0	
100	P22 BPSK	135	138	23.24	23.35	23.21	24.0	0.0	
100	P22 BPSK	270	0	23.32	23.38	23.31			
100	QPSK	1	1	23.32	23.30	23.41			
100	QPSK	1	137	23.32	23.33	23.25	24.0	0.0	
100	QPSK	1	271	23.29	23.39	23.30			
100	QPSK	135	0	23.27	23.38	23.21	24.0	0.0	
100	QPSK	135	69	23.31	23.38	23.37	24.0	0.0	
100	QPSK	135	138	23.14	23.27	23.22	24.0	0.0	
100	QPSK	270	0	23.26	23.38	23.24	24.0	0.0	
100	16QAM	1	1	23.32	23.35	23.34	24.0	0.0	
100	64QAM	1	1	23.29	23.34	23.31	24.0	0.0	
100	256QAM	1	1	21.88	22.00	21.90	23.0	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.30	23.41	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.31	23.35	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.33	23.43	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.25	23.44	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.30	23.33	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.24	23.40	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.29	23.42	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.30	23.40	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.30	23.40	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.24	23.42	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.32	23.43	23.30	24.0	0.0	

FCC_n41(HPUE)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P22 BPSK	1	1	26.12	26.20	26.10			
100	P22 BPSK	1	137	25.89	25.98	25.89	27.0		0.0
100	P22 BPSK	1	271	25.74	25.81	25.72			
100	P22 BPSK	135	0	25.96	26.06	25.96	27.0		0.0
100	P22 BPSK	135	69	25.92	25.99	25.89	27.0		0.0
100	P22 BPSK	135	138	25.84	25.90	25.80	27.0		0.0
100	P22 BPSK	270	0	25.95	26.00	25.92	27.0		0.0
100	QPSK	1	1	25.17	25.23	25.15			
100	QPSK	1	137	25.82	25.91	25.83	27.0		0.0
100	QPSK	1	271	25.75	25.83	25.76			
100	QPSK	135	0	25.52	25.57	25.46	26.5		0.5
100	QPSK	135	69	25.51	25.51	25.53	27.0		0.0
100	QPSK	135	138	25.37	25.43	25.31	26.5		0.5
100	QPSK	270	0	25.46	25.52	25.43	26.5		0.5
100	16QAM	1	1	25.53	25.62	25.52	26.5		0.5
100	64QAM	1	1	24.13	24.21	24.12	25.0		2.0
100	256QAM	1	1	22.20	22.28	22.16	23.0		4.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.08	26.17	26.01	27.0		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.09	26.13	26.04	27.0		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.11	26.08	26.08	27.0		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.11	26.13	26.03	27.0		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.02	26.14	26.06	27.0		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.09	26.18	26.04	27.0		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.09	26.18	26.04	27.0		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	26.11	26.20	26.11	27.0		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.05	26.15	26.06	27.0		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.10	26.10	26.02	27.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.07	26.14	26.07	27.0		0.0

FCC_n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	P22 BPSK	1	1	22.91	22.93	22.86			
100	P22 BPSK	1	137	22.83	22.98	22.84	23.5	0.0	0.0
100	P22 BPSK	1	271	22.78	22.85	22.91			
100	P22 BPSK	135	9	22.77	22.97	22.86	23.5	0.0	0.0
100	P22 BPSK	135	69	22.84	22.88	22.85	23.5	0.0	0.0
100	P22 BPSK	135	138	22.91	22.97	22.83	23.5	0.0	0.0
100	P22 BPSK	270	0	22.89	22.92	22.87			
100	QPSK	1	1	22.92	23.00	22.95			
100	QPSK	1	137	22.77	22.97	22.86	23.5	0.0	0.0
100	QPSK	1	271	22.79	22.89	22.80			
100	QPSK	135	0	22.91	22.99	22.92	23.5	0.0	0.0
100	QPSK	135	69	22.89	22.94	22.86	23.5	0.0	0.0
100	QPSK	135	138	22.82	22.95	22.86	23.5	0.0	0.0
100	QPSK	270	0	22.90	22.97	22.94	23.5	0.0	0.0
100	16QAM	1	1	22.79	22.88	22.86	23.5	0.0	0.0
100	64QAM	1	1	22.84	22.85	22.85	23.5	0.0	0.0
100	256QAM	1	1	22.88	22.40	22.33	23.0	0.5	0.5
Channel									
Frequency [MHz]									
90	P22 BPSK	1	1	22.88	22.92	22.84	Tune-up limit (dBm)	0.0	0.0
90	QPSK	1	1	22.88	22.88	22.81	23.5	0.0	0.0
Channel									
Frequency [MHz]									
80	P22 BPSK	1	1	507204	518698	529998	Tune-up limit (dBm)	MPR	0.0
80	QPSK	1	1	256.02	2562.90	2658.90	23.5	0.0	0.0
80	QPSK	1	1	22.85	22.88	22.90	23.5	0.0	0.0
Channel									
Frequency [MHz]									
70	P22 BPSK	1	1	2531.01	2592.99	2655	Tune-up limit (dBm)	MPR	0.0
70	QPSK	1	1	22.81	22.97	22.86	23.5	0.0	0.0
Channel									
Frequency [MHz]									
60	P22 BPSK	1	1	506700	518698	531000	Tune-up limit (dBm)	MPR	0.0
60	QPSK	1	1	2526	2592.99	2659.98	Tune-up limit (dBm)	MPR	0.0
60	QPSK	1	1	22.78	22.95	22.82	23.5	0.0	0.0
Channel									
Frequency [MHz]									
50	P22 BPSK	1	1	504904	518698	530998	Tune-up limit (dBm)	MPR	0.0
50	QPSK	1	1	2611.02	2682.99	2745.96	23.5	0.0	0.0
50	QPSK	1	1	22.90	22.92	22.93	23.5	0.0	0.0
Channel									
Frequency [MHz]									
40	P22 BPSK	1	1	502602	518698	534000	Tune-up limit (dBm)	MPR	0.0
40	QPSK	1	1	22.82	22.99	22.97	23.5	0.0	0.0
Channel									
Frequency [MHz]									
30	P22 BPSK	1	1	2611	2592.99	2674.98	Tune-up limit (dBm)	MPR	0.0
30	QPSK	1	1	22.78	22.91	22.87	23.5	0.0	0.0
Channel									
Frequency [MHz]									
25	P22 BPSK	1	1	501702	518698	535998	Tune-up limit (dBm)	MPR	0.0
25	QPSK	1	1	2595.01	2659.99	2719.99	23.5	0.0	0.0
25	QPSK	1	1	22.83	22.99	22.88	23.5	0.0	0.0
Channel									
Frequency [MHz]									
20	P22 BPSK	1	1	500700	518698	536400	Tune-up limit (dBm)	MPR	0.0
20	QPSK	1	1	2595.05	2659.99	2692.49	23.5	0.0	0.0
20	QPSK	1	1	22.80	22.97	22.81	23.5	0.0	0.0
Channel									
Frequency [MHz]									
15	P22 BPSK	1	1	22.83	22.80	22.91	23.5	0.0	0.0
15	QPSK	1	1	500698	518698	536300	Tune-up limit (dBm)	MPR	0.0
15	QPSK	1	1	2591.01	2659.99	2685	23.5	0.0	0.0
15	QPSK	1	1	22.91	22.97	22.81	23.5	0.0	0.0

FCC_n41(HPUE)_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				480002	518598	529002	26.5	0.0	
Frequency (MHz)				2546.91	2592.99	2640			
100	PQ2 BPSK	1	1	25.58	25.64	25.68	26.5	0.0	
100	PQ2 BPSK	1	137	25.65	25.63	25.59			
100	PQ2 BPSK	1	271	25.58	25.61	25.69	26.5	0.0	
100	PQ2 BPSK	135	0	25.62	25.71	25.57			
100	PQ2 BPSK	135	69	25.53	25.70	25.68	26.5	0.0	
100	PQ2 BPSK	135	138	25.57	25.64	25.55			
100	PQ2 BPSK	270	0	25.58	25.73	25.59	26.5	0.0	
100	QPSK	1	1	25.58	25.75	25.70			
100	QPSK	1	137	25.54	25.68	25.67	26.5	0.0	
100	QPSK	1	271	25.57	25.62	25.68			
100	QPSK	135	0	25.41	25.47	25.31	26.5	0.0	
100	QPSK	135	69	25.51	25.75	25.67			
100	QPSK	135	138	25.17	25.23	25.07	26.5	0.0	
100	QPSK	270	0	25.37	25.43	25.28			
100	16QAM	1	1	25.54	25.58	25.41	26.5	0.0	
100	64QAM	1	1	24.11	24.14	23.95			
100	256QAM	1	1	22.11	22.13	21.95	23.0	3.5	
Channel				508200	518598	528896	Tune-up limit	MPR	
Frequency (MHz)				2544	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	25.65	25.71	25.61	26.5	0.0	
Channel				507204	518598	529596	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2648.99	(dBm)	(dB)	
80	QPSK	1	1	25.54	25.61	25.65	26.5	0.0	
Channel				480002	518598	527002	Tune-up limit	MPR	
Frequency (MHz)				2531.91	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	25.56	25.63	25.61	26.5	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2534	2592.99	2654.98	(dBm)	(dB)	
60	QPSK	1	1	25.51	25.63	25.65	26.5	0.0	
Channel				504204	518598	532996	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	25.53	25.63	25.59	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	25.59	25.70	25.69	25.5	0.0	
Channel				502200	518598	535096	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	25.53	25.71	25.55	26.5	0.0	
Channel				501702	518598	535500	Tune-up limit	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)	(dB)	
25	QPSK	1	1	25.67	25.65	25.65	25.5	0.0	
Channel				501204	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				2508.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	25.56	25.74	25.64	26.5	0.0	
Channel				507000	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	25.62	25.63	25.59	26.5	0.0	
Channel				500002	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2493.91	2592.99	2686	(dBm)	(dB)	
10	QPSK	1	1	25.58	25.70	25.59	26.5	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	19.54	19.59	19.58		
40	P12 BPSK	1	53	19.56	19.58	19.41	20.5	0.0
40	P12 BPSK	1	104	19.53	19.50	19.56		
40	P12 BPSK	50	0	19.42	19.43	19.40	20.5	0.0
40	P12 BPSK	50	26	19.58	19.58	19.50	20.5	0.0
40	P12 BPSK	50	56	19.44	19.44	19.44	20.5	0.0
40	P12 BPSK	100	0	19.51	19.51	19.37		
40	QPSK	1	1	19.73	19.70	19.67		
40	QPSK	1	53	19.66	19.68	19.55	20.5	0.0
40	QPSK	1	104	19.65	19.65	19.61		
40	QPSK	50	0	19.52	19.53	19.50	20.5	0.0
40	QPSK	50	26	19.55	19.55	19.51	20.5	0.0
40	QPSK	50	56	19.56	19.54	19.54	20.5	0.0
40	QPSK	100	0	19.56	19.52	19.51		
40	ISQAM	1	1	19.62	19.62	19.54	20.5	0.0
40	ISQAM	1	1	19.68	19.67	19.60	20.5	0.0
40	256QAM	1	1	19.83	19.82	19.83	19.5	1.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.62	19.63	19.68	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.67	19.68	19.65	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.66	19.67	19.67	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.66	19.68	19.53	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	19.63	19.73	19.63		
40	P12 BPSK	1	53	19.61	19.68	19.54	20.5	0.0
40	P12 BPSK	1	104	19.58	19.64	19.54		
40	P12 BPSK	50	0	19.53	19.60	19.48	20.5	0.0
40	P12 BPSK	50	26	19.60	19.70	19.60	20.5	0.0
40	P12 BPSK	50	56	19.51	19.58	19.48	20.5	0.0
40	P12 BPSK	100	0	19.45	19.63	19.53		
40	QPSK	1	1	19.70	19.84	19.70		
40	QPSK	1	53	19.64	19.76	19.63	20.5	0.0
40	QPSK	1	104	19.60	19.72	19.65		
40	QPSK	50	0	19.63	19.70	19.63	20.5	0.0
40	QPSK	50	26	19.67	19.76	19.70	20.5	0.0
40	QPSK	50	56	19.62	19.65	19.63	20.5	0.0
40	QPSK	100	0	19.60	19.70	19.63		
40	ISQAM	1	1	19.72	19.76	19.63	20.5	0.0
40	ISQAM	1	1	19.65	19.72	19.68	20.5	0.0
40	256QAM	1	1	19.80	19.09	19.38	19.5	1.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.72	19.74	19.86	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.65	19.73	19.65	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.71	19.76	19.71	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.66	19.73	19.73	20.5	0.0

Part27Q_n77_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	20.75				
100	P12 BPSK	1	137	20.59			21.5	0.0
100	P12 BPSK	1	271	20.50				
100	P12 BPSK	135	0	20.57			21.5	0.0
100	P12 BPSK	135	69	20.61			21.5	0.0
100	P12 BPSK	135	138	20.55			21.5	0.0
100	P12 BPSK	270	0	20.51				
100	QPSK	1	1	20.80				
100	QPSK	1	137	20.66			21.5	0.0
100	QPSK	1	271	20.65				
100	QPSK	135	0	20.63			21.5	0.0
100	QPSK	135	69	20.66			21.5	0.0
100	QPSK	135	138	20.63			21.5	0.0
100	QPSK	270	0	20.63				
100	ISQAM	1	1	20.72			21.5	0.0
100	ISQAM	1	1	20.67			21.5	0.0
100	256QAM	1	1	20.74			21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.66	20.67	20.63	21.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.63	20.72	20.70	21.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.59	20.65	20.73	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.67	20.69	20.69	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.61	20.76	20.69	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.61	20.70	20.72	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.61	20.76	20.66	21.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.67	20.72	20.73	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.64	20.73	20.68	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.66	20.69	20.73	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.68	20.69	20.69	21.5	0.0



Part27Q_n77(HPUE)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel <td colspan="2">63332<td>349.98</td><td colspan="3"></td></td>				63332 <td>349.98</td> <td colspan="3"></td>		349.98			
Frequency (MHz)				23.64		23.64			
100	PQ2 BPSK	1	1	23.64	23.64	23.64	24.5	0.0	0.0
100	PQ2 BPSK	1	137	23.60	23.60	23.60	24.5	0.0	0.0
100	PQ2 BPSK	1	271	23.54	23.54	23.54	24.5	0.0	0.0
100	PQ2 BPSK	135	5	23.51	23.51	23.51	24.5	0.0	0.0
100	PQ2 BPSK	135	69	23.59	23.59	23.59	24.5	0.0	0.0
100	PQ2 BPSK	135	138	23.47	23.47	23.47	24.5	0.0	0.0
100	PQ2 BPSK	270	0	23.50	23.50	23.50	24.5	0.0	0.0
100	QPSK	1	1	23.78	23.78	23.78	24.5	0.0	0.0
100	QPSK	1	137	23.68	23.68	23.68	24.5	0.0	0.0
100	QPSK	1	271	23.64	23.64	23.64	24.5	0.0	0.0
100	QPSK	135	5	23.59	23.59	23.59	24.5	0.0	0.0
100	QPSK	135	69	23.73	23.73	23.73	24.5	0.0	0.0
100	QPSK	135	138	23.61	23.61	23.61	24.5	0.0	0.0
100	QPSK	270	0	23.50	23.50	23.50	24.5	0.0	0.0
100	16QAM	1	1	23.68	23.68	23.68	24.5	0.0	0.0
100	64QAM	1	1	23.69	23.69	23.69	24.5	0.0	0.0
100	256QAM	1	1	21.70	21.70	22.5	22.5		
Channel				63360		349.98	349.98	MPR	
Frequency (MHz)				23.68		23.68	23.68		
90	QPSK	1	1	23.47	23.69	23.85	24.5	0.0	0.0
Channel				63388		349.98	349.98	MPR	
Frequency (MHz)				23.72		23.72	23.72		
80	QPSK	1	1	23.53	23.73	23.98	24.5	0.0	0.0
Channel				63416		349.98	349.98	MPR	
Frequency (MHz)				23.76		23.76	23.76		
70	QPSK	1	1	23.51	23.63	23.62	24.5	0.0	0.0
Channel				63440		349.98	349.98	MPR	
Frequency (MHz)				23.80		23.80	23.80		
60	QPSK	1	1	23.53	23.68	23.62	24.5	0.0	0.0
Channel				63476		349.98	349.98	MPR	
Frequency (MHz)				23.75		23.75	23.75		
50	QPSK	1	1	23.54	23.72	23.62	24.5	0.0	0.0
Channel				63500		349.98	349.98	MPR	
Frequency (MHz)				23.70		23.70	23.70		
40	QPSK	1	1	23.50	23.72	23.61	24.5	0.0	0.0
Channel				63520		349.98	349.98	MPR	
Frequency (MHz)				23.65		23.65	23.65		
30	QPSK	1	1	23.47	23.73	23.55	24.5	0.0	0.0
Channel				63540		349.98	349.98	MPR	
Frequency (MHz)				23.62		23.62	23.62		
25	QPSK	1	1	23.47	23.72	23.61	24.5	0.0	0.0
Channel				63560		349.98	349.98	MPR	
Frequency (MHz)				23.60		23.60	23.60		
20	QPSK	1	1	23.57	23.68	23.64	24.5	0.0	0.0
Channel				63580		349.98	349.98	MPR	
Frequency (MHz)				23.57		23.57	23.57		
15	QPSK	1	1	23.50	23.67	23.58	24.5	0.0	0.0
Channel				63594		349.98	349.98	MPR	
Frequency (MHz)				23.55		23.55	23.55		
10	QPSK	1	1	23.58	23.63	23.60	24.5	0.0	0.0

Part270_n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				66000		364.98			
Frequency (MHz)				20.83		20.83			
100	PQ2 BPSK	1	1	20.83	20.83	20.72	21.5	0.0	0.0
100	PQ2 BPSK	1	137	20.68	20.70	20.55	21.5	0.0	0.0
100	PQ2 BPSK	1	271	20.75	20.63	20.89	21.5	0.0	0.0
100	PQ2 BPSK	135	5	20.70	20.63	20.61	21.5	0.0	0.0
100	PQ2 BPSK	135	69	20.78	20.75	20.69	21.5	0.0	0.0
100	PQ2 BPSK	135	138	20.63	20.66	20.58	21.5	0.0	0.0
100	PQ2 BPSK	270	0	20.65	20.61	20.54	21.5	0.0	0.0
100	QPSK	1	1	20.90	20.92	20.81	21.5	0.0	0.0
100	QPSK	1	137	20.76	20.62	20.66	21.5	0.0	0.0
100	QPSK	1	271	20.84	20.77	20.89	21.5	0.0	0.0
100	QPSK	135	5	20.78	20.76	20.82	21.5	0.0	0.0
100	QPSK	135	69	-20.83	-20.85	-20.75	21.5	0.0	0.0
100	QPSK	135	138	20.69	20.79	20.68	21.5	0.0	0.0
100	QPSK	270	0	20.72	20.73	20.81	21.5	0.0	0.0
100	16QAM	1	1	20.84	20.86	20.74	21.5	0.0	0.0
100	64QAM	1	1	20.75	20.82	20.72	21.5	0.0	0.0
100	256QAM	1	1	20.88	20.83	20.89	21.5	0.0	0.0
Channel				66066		365.05	Tune-up limit MPR		
Frequency (MHz)				20.92		20.92			
90	QPSK	1	1	20.78	20.78	20.70	21.5	0.0	0.0
Channel				66134		365.05	Tune-up limit MPR		
Frequency (MHz)				21.01		21.01			
80	QPSK	1	1	20.78	20.78	20.69	21.5	0.0	0.0
Channel				66198		365.05	Tune-up limit MPR		
Frequency (MHz)				21.08		21.08			
70	QPSK	1	1	20.80	20.87	20.89	21.5	0.0	0.0
Channel				66266		365.05	Tune-up limit MPR		
Frequency (MHz)				21.17		21.17			
60	QPSK	1	1	20.84	20.81	20.86	21.5	0.0	0.0
Channel				66334		365.05	Tune-up limit MPR		
Frequency (MHz)				21.26		21.26			
50	QPSK	1	1	20.83	20.82	20.71	21.5	0.0	0.0
Channel				66402		365.05	Tune-up limit MPR		
Frequency (MHz)				21.35		21.35			
40	QPSK	1	1	20.77	20.83	20.71	21.5	0.0	0.0
Channel				66470		365.05	Tune-up limit MPR		
Frequency (MHz)				21.44		21.44			
30	QPSK	1	1	20.84	20.80	20.76	21.5	0.0	0.0
Channel				66538		365.05	Tune-up limit MPR		
Frequency (MHz)				21.53		21.53			
25	QPSK	1	1	20.75	20.83	20.78	21.5	0.0	0.0
Channel				66606		365.05	Tune-up limit MPR		
Frequency (MHz)				21.62		21.62			
20	QPSK	1	1	20.81	20.80	20.72	21.5	0.0	0.0
Channel				66674		365.05	Tune-up limit MPR		
Frequency (MHz)				21.71		21.71			
15	QPSK	1	1	20.83	20.82	20.72	21.5	0.0	0.0
Channel				66742		365.05	Tune-up limit MPR		
Frequency (MHz)				21.80		21.80			
10	QPSK	1	1	20.76	20.76	20.72	21.5	0.0	0.0

Part270_n77(HPUE)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				66000		364.98			
Frequency (MHz)				20.83		20.83			
100	PQ2 BPSK	1	1	20.49	20.48	20.41	24.5	0.0	0.0
100	PQ2 BPSK	1	137	20.39	20.42	20.37	24.5	0.0	0.0
100	PQ2 BPSK	1	271	20.32	20.41	20.39	24.5	0.0	0.0
100	PQ2 BPSK	135	5	20.14	20.27	20.22	24.5	0.0	0.0
100	PQ2 BPSK	135	69	20.27	20.36	20.33	24.5	0.0	0.0
100	PQ2 BPSK	135	138	20.32	20.32	20.32	24.5	0.0	0.0
100	PQ2 BPSK	275	0	20.14	20.39	20.28	24.5	0.0	0.0
100	QPSK	1	1	20.49	20.48	20.41	24.5	0.0	0.0
100	QPSK	1	137	20.44	20.41	20.46	24.5	0.0	0.0
100	QPSK	1	271	20.44	20.31	20.50	24.5	0.0	0.0
100	QPSK	135	5	20.14	20.27	20.22	24.5	0.0	0.0
100	QPSK	135	69	20.30	20.48	20.43	24.5	0.0	0.0
100	QPSK	135	138	20.31	20.37	20.37	24.5	0.0	0.0
100	QPSK	275	0	20.14	20.41	20.27	24.5	0.0	0.0
100	16QAM	1	1	20.49	20.37	20.41	24.5	0.0	0.0
100	16QAM	1	1	20.43	20.38	20.45	24.5	0.0	0.0
100	16QAM	1	1	21.62	21.74	21.68	24.5	0.0	0.0
Channel				66668		66020	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
50	QPSK	1	1	20.46	20.35	20.47	24.5	0.0	0.0
Channel				66334		66068	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
50	QPSK	1	1	20.74	20.57	20.74	24.5	0.0	0.0
Channel				66000		66300	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
75	QPSK	1	1	20.43	20.35	20.43	24.5	0.0	0.0
Channel				66668		66332	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
75	QPSK	1	1	20.48	20.31	20.45	24.5	0.0	0.0
Channel				66334		66068	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
75	QPSK	1	1	20.48	20.31	20.49	24.5	0.0	0.0
Channel				66000		66400	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
40	QPSK	1	1	20.46	20.30	20.43	24.5	0.0	0.0
Channel				66768		66432	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
30	QPSK	1	1	20.44	20.35	20.50	24.5	0.0	0.0
Channel				66334		66400	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
25	QPSK	1	1	20.43	20.57	20.50	24.5	0.0	0.0
Channel				66734		66668	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
20	QPSK	1	1	20.47	20.54	20.43	24.5	0.0	0.0
Channel				66718		66632	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
15	QPSK	1	1	20.49	20.58	20.47	24.5	0.0	0.0
Channel				66700		66500	Tune-up limit	MPR	
Frequency (MHz)				20.83		20.83			
10	QPSK	1	1	20.41	20.50	20.47	24.5	0.0	0.0



Part27Q_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq.	Power Middle Ch. 2/Freq.	Power High Ch. 3/Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				3498.98					
Frequency [MHz]									
100	PQ2 BPSK	1	1	20.67					
100	PQ2 BPSK	1	137	20.63			21.5	0.0	
100	PQ2 BPSK	1	271	20.55					
100	PQ2 BPSK	135	5	20.37			21.5	0.0	
100	PQ2 BPSK	135	69	20.49			21.5	0.0	
100	PQ2 BPSK	135	138	20.35			21.5	0.0	
100	PQ2 BPSK	270	5	20.44					
100	QPSK	1	1	20.74					
100	QPSK	1	137	20.66			21.5	0.0	
100	QPSK	1	271	20.58					
100	QPSK	135	5	20.51			21.5	0.0	
100	QPSK	135	69	20.54			21.5	0.0	
100	QPSK	135	138	20.49			21.5	0.0	
100	QPSK	270	5	20.51					
100	16QAM	1	1	20.65			21.5	0.0	
100	64QAM	1	1	20.56			21.5	0.0	
100	256QAM	1	1	20.59			21.5	0.0	
Channel				6330.00	6333.52	6336.98	Turn-up test	MPR	
Frequency [MHz]				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	20.63	20.50	20.47	21.5	0.0	
Channel				6335.00	6335.52	6336.98	Turn-up test	MPR	
Frequency [MHz]				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	20.63	20.53	20.43	21.5	0.0	
Channel				6339.04	6339.52	6340.92	Turn-up test	MPR	
Frequency [MHz]				3486.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	20.58	20.48	20.42	21.5	0.0	
Channel				6320.00	6320.52	6321.96	Turn-up test	MPR	
Frequency [MHz]				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	20.58	20.45	20.42	21.5	0.0	
Channel				6316.00	6316.52	6318.00	Turn-up test	MPR	
Frequency [MHz]				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	20.59	20.42	20.45	21.5	0.0	
Channel				6313.04	6313.52	6315.32	Turn-up test	MPR	
Frequency [MHz]				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	20.58	20.42	20.44	21.5	0.0	
Channel				6310.00	6310.52	6311.96	Turn-up test	MPR	
Frequency [MHz]				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	20.63	20.51	20.45	21.5	0.0	
Channel				6304.04	6304.52	6306.32	Turn-up test	MPR	
Frequency [MHz]				3462.51	3499.98	3537.48	(dBm)	(dB)	
25	QPSK	1	1	20.58	20.47	20.42	21.5	0.0	
Channel				6298.00	6298.52	6300.00	Turn-up test	MPR	
Frequency [MHz]				3455.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	20.57	20.45	20.45	21.5	0.0	
Channel				6295.00	6295.52	6297.16	Turn-up test	MPR	
Frequency [MHz]				3452.51	3499.98	3542.48	(dBm)	(dB)	
15	QPSK	1	1	20.58	20.46	20.45	21.5	0.0	
Channel				6293.04	6293.52	6295.32	Turn-up test	MPR	
Frequency [MHz]				3455.01	3499.98	3544.98	(dBm)	(dB)	
10	QPSK	1	1	20.54	20.41	20.41	21.5	0.0	

Part27Q_n77(HPUE)_Ant 8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq.	Power Middle Ch. 2/Freq.	Power High Ch. 3/Freq.	Tune-up test (dBm)	MPR (dB)
Channel				3498.98	6333.32			
Frequency (MHz)								
100	PQ2 BPSK	1	1	20.50				
100	PQ2 BPSK	1	137	20.43			24.5	0.0
100	PQ2 BPSK	1	271	20.44				
100	PQ2 BPSK	135	5	20.43			24.5	0.0
100	PQ2 BPSK	135	69	20.40			24.5	0.0
100	PQ2 BPSK	135	138	20.31			24.5	0.0
100	PQ2 BPSK	270	5	20.41				
100	QPSK	1	1	20.62				
100	QPSK	1	137	20.57			24.5	0.0
100	QPSK	1	271	20.54				
100	QPSK	135	5	20.49			24.5	0.0
100	QPSK	135	69	20.50			24.5	0.0
100	QPSK	135	138	20.45			24.5	0.0
100	QPSK	270	5	20.51				
100	16QAM	1	1	20.50			24.5	0.0
100	16QAM	1	1	20.48			24.5	0.0
100	256QAM	1	1	21.34			22.5	2.0
Channel				6330.00	6333.32	6336.66	Turn-up test	MPR
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)
90	QPSK	1	1	20.46	20.55	20.50	24.5	0.0
Channel				6335.00	6335.32	6335.66	Turn-up test	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	20.44	20.57	20.44	24.5	0.0
Channel				6320.00	6320.32	6320.66	Turn-up test	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	20.48	20.52	20.52	24.5	0.0
Channel				6315.00	6315.32	6315.66	Turn-up test	MPR
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)
60	QPSK	1	1	20.50	20.58	20.52	24.5	0.0
Channel				6310.00	6310.32	6310.66	Turn-up test	MPR
Frequency (MHz)				3475.02	3499.98	3520	(dBm)	(dB)
50	QPSK	1	1	20.43	20.53	20.53	24.5	0.0
Channel				6305.00	6305.32	6305.66	Turn-up test	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	20.52	20.57	20.52	24.5	0.0
Channel				6300.00	6300.32	6300.66	Turn-up test	MPR
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)
30	QPSK	1	1	20.50	20.42	20.46	24.5	0.0
Channel				6295.00	6295.32	6295.66	Turn-up test	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	20.51	20.47	20.51	24.5	0.0
Channel				6290.00	6290.32	6290.66	Turn-up test	MPR
Frequency (MHz)				3455.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	20.45	20.54	20.48	24.5	0.0
Channel				6285.00	6285.32	6285.66	Turn-up test	MPR
Frequency (MHz)				3452.5	3499.98	3542.48	(dBm)	(dB)
15	QPSK	1	1	20.49	20.50	20.50	24.5	0.0
Channel				6280.00	6280.32	6280.66	Turn-up test	MPR
Frequency (MHz)				3450.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	20.43	20.49	20.53	24.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3760	3840	3920			
Frequency (MHz)									
100	PIQ BPSK	1	1	20.65	20.63	20.75			
100	PIQ BPSK	1	137	20.52	20.74	20.66	21.5	0.0	
100	PIQ BPSK	1	271	20.58	20.69	20.59			
100	PIQ BPSK	135	5	20.36	20.66	20.40	21.5	0.0	
100	PIQ BPSK	135	69	20.45	20.70	20.59	21.5	0.0	
100	PIQ BPSK	135	138	20.40	20.59	20.55			
100	PIQ BPSK	270	5	20.42	20.56	20.57	21.5	0.0	
100	QPSK	1	1	20.73	20.69	20.65			
100	QPSK	1	137	20.59	20.82	20.73	21.5	0.0	
100	QPSK	1	271	20.68	20.76	20.72			
100	QPSK	135	5	20.44	20.73	20.60	21.5	0.0	
100	QPSK	135	69	20.76	20.74	20.74	21.5	0.0	
100	QPSK	135	138	20.40	20.73	20.65	21.5	0.0	
100	QPSK	270	5	20.54	20.69	20.64			
100	16QAM	1	1	20.69	20.76	20.73	21.5	0.0	
100	64QAM	1	1	20.84	20.79	20.80	21.5	0.0	
100	256QAM	1	1	20.88	20.77	20.70	21.5	0.0	
Channel				46968	46960	46932	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
90	QPSK	1	1	20.60	20.80	20.77	21.5	0.0	
Channel				46934	46934	46966	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
80	QPSK	1	1	20.59	20.74	20.73	21.5	0.0	
Channel				46900	46900	46900	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
70	QPSK	1	1	20.64	20.77	20.77	21.5	0.0	
Channel				46868	46868	46932	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
60	QPSK	1	1	20.68	20.73	20.72	21.5	0.0	
Channel				46834	46834	46966	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
50	QPSK	1	1	20.62	20.74	20.71	21.5	0.0	
Channel				46800	46800	46900	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
40	QPSK	1	1	20.58	20.76	20.80	21.5	0.0	
Channel				46766	46766	46932	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
30	QPSK	1	1	20.60	20.76	20.72	21.5	0.0	
Channel				46730	46730	46900	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
25	QPSK	1	1	20.61	20.62	20.70	21.5	0.0	
Channel				46700	46700	46966	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
20	QPSK	1	1	20.68	20.69	20.79	21.5	0.0	
Channel				46672	46672	46932	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
15	QPSK	1	1	20.62	20.75	20.72	21.5	0.0	
Channel				46700	46700	46900	Turn-up test	MPR	
Frequency (MHz)				3840	3920	4000	(dBm)	(dB)	
10	QPSK	1	1	20.66	20.82	20.73	21.5	0.0	

Part270_n77(HPUe)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3765	3840	3915			
Frequency (MHz)									
100	PIQ BPSK	1	1	23.63	23.67	23.58			
100	PIQ BPSK	1	137	23.63	23.67	23.54	24.5	0.0	
100	PIQ BPSK	1	271	23.58	23.66	23.51			
100	PIQ BPSK	135	5	23.38	23.65	23.32	24.5	0.0	
100	PIQ BPSK	135	69	23.58	23.69	23.45	24.5	0.0	
100	PIQ BPSK	135	138	23.48	23.61	23.34	24.5	0.0	
100	PIQ BPSK	270	5	23.49	23.67	23.35			
100	QPSK	1	1	23.70	23.65	23.65			
100	QPSK	1	137	23.62	23.74	23.63	24.5	0.0	
100	QPSK	1	271	23.71	23.72	23.68			
100	QPSK	135	5	23.50	23.65	23.44	24.5	0.0	
100	QPSK	135	69	23.68	23.69	23.68	24.5	0.0	
100	QPSK	135	138	23.56	23.74	23.40	24.5	0.0	
100	QPSK	270	5	23.58	23.75	23.48			
100	16QAM	1	1	23.67	23.77	23.69	24.5	0.0	
100	64QAM	1	1	23.63	23.79	23.62	24.5	0.0	
100	256QAM	1	1	21.78	21.79	21.65	22.5	2.0	
Channel				649668	656000	662332	Turn-up test	MPR	
Frequency (MHz)				3745.02	3840	3834.98	(dBm)	(dB)	
90	QPSK	1	1	23.63	23.76	23.66	24.5	0.0	
Channel				649334	656000	662666	Turn-up test	MPR	
Frequency (MHz)				3743.01	3840	3839.99	(dBm)	(dB)	
80	QPSK	1	1	23.76	23.76	23.54	24.5	0.0	
Channel				649000	656000	663000	Turn-up test	MPR	
Frequency (MHz)				3735	3840	3845	(dBm)	(dB)	
70	QPSK	1	1	23.69	23.73	23.66	24.5	0.0	
Channel				648668	656000	663332	Turn-up test	MPR	
Frequency (MHz)				3730.02	3840	3840.98	(dBm)	(dB)	
60	QPSK	1	1	23.69	23.79	23.67	24.5	0.0	
Channel				648334	656000	663666	Turn-up test	MPR	
Frequency (MHz)				3725.01	3840	3854.99	(dBm)	(dB)	
50	QPSK	1	1	23.65	23.79	23.60	24.5	0.0	
Channel				648000	656000	664000	Turn-up test	MPR	
Frequency (MHz)				3720	3840	3860	(dBm)	(dB)	
40	QPSK	1	1	23.63	23.72	23.61	24.5	0.0	
Channel				647668	656000	664332	Turn-up test	MPR	
Frequency (MHz)				3715.02	3840	3854.98	(dBm)	(dB)	
30	QPSK	1	1	23.69	23.77	23.61	24.5	0.0	
Channel				647500	656000	664500	Turn-up test	MPR	
Frequency (MHz)				3712.5	3840	3867.5	(dBm)		
25	QPSK	1	1	23.68	23.72	23.60	24.5	0.0	
Channel				647334	656000	664666	Turn-up test	MPR	
Frequency (MHz)				3710.01	3840	3869.99	(dBm)	(dB)	
20	QPSK	1	1	23.63	23.77	23.54	24.5	0.0	
Channel				647168	656000	664832	Turn-up test	MPR	
Frequency (MHz)				3707.52	3840	3872.48	(dBm)	(dB)	
15	QPSK	1	1	23.67	23.77	23.61	24.5	0.0	
Channel				647000	656000	665000	Turn-up test	MPR	
Frequency (MHz)				3705	3840	3875	(dBm)	(dB)	
10	QPSK	1	1	23.71	23.74	23.52	24.5	0.0	

Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3459.98			
100	PI2 BPSK	1	1	20.69			
100	PI2 BPSK	1	137	20.52		21.5	0.0
100	PI2 BPSK	1	271	20.52			
100	PI2 BPSK	135	5	20.52		21.5	0.0
100	PI2 BPSK	135	69	20.61		21.5	0.0
100	PI2 BPSK	135	138	20.38			
100	PI2 BPSK	270	0	20.49		21.5	0.0
100	QPSK	1	1	20.75			
100	QPSK	1	137	20.63		21.5	0.0
100	QPSK	1	271	20.67			
100	QPSK	135	5	20.61		21.5	0.0
100	QPSK	135	69	20.66		21.5	0.0
100	QPSK	135	138	20.51		21.5	0.0
100	QPSK	270	0	20.58			
100	8QAM	1	1	20.67		21.5	0.0
100	8QAM	1	1	20.69		21.5	0.0
100	256QAM	1	1	20.70		21.5	0.0
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.56	20.64	20.53	21.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.47	20.65	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.49	20.60	20.45	21.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.51	20.68	20.50	21.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.55	20.60	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.54	20.64	20.46	21.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.65	20.62	20.53	21.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.67	20.70	20.45	21.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.49	20.68	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.50	20.64	20.54	21.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.59	20.63	20.49	21.5

Part27Q_n78(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3459.98			
100	PI2 BPSK	1	1	23.59			
100	PI2 BPSK	1	137	23.59		24.5	0.0
100	PI2 BPSK	1	271	23.55			
100	PI2 BPSK	135	5	23.59		24.5	0.0
100	PI2 BPSK	135	69	23.59		24.5	0.0
100	PI2 BPSK	135	138	23.41			
100	PI2 BPSK	270	0	23.43		24.5	0.0
100	QPSK	1	1	23.74			
100	QPSK	1	137	23.69		24.5	0.0
100	QPSK	1	271	23.69			
100	QPSK	135	5	23.51		24.5	0.0
100	QPSK	135	69	23.52		24.5	0.0
100	QPSK	135	138	23.54		24.5	0.0
100	QPSK	270	0	23.52			
100	8QAM	1	1	23.64		24.5	0.0
100	8QAM	1	1	23.65		24.5	0.0
100	256QAM	1	1	23.69		24.5	0.0
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	23.46	23.67	23.53	24.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	23.50	23.69	23.45	24.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	23.52	23.68	23.47	24.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	23.52	23.64	23.46	24.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	23.48	23.59	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	23.43	23.64	23.45	24.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	23.50	23.63	23.51	24.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	23.44	23.68	23.44	24.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	23.46	23.64	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	23.48	23.66	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	23.45	23.63	23.53	24.5

Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				660000			
Frequency (MHz)				3459.98			
100	PI2 BPSK	1	1	20.80			
100	PI2 BPSK	1	137	20.65		21.5	0.0
100	PI2 BPSK	1	271	20.68			
100	PI2 BPSK	135	5	20.47		21.5	0.0
100	PI2 BPSK	135	69	20.67		21.5	0.0
100	PI2 BPSK	135	138	20.50		21.5	0.0
100	PI2 BPSK	270	0	20.54			
100	QPSK	1	1	20.85			
100	QPSK	1	137	20.76		21.5	0.0
100	QPSK	1	271	20.80			
100	QPSK	135	5	20.60		21.5	0.0
100	QPSK	135	69	20.75		21.5	0.0
100	QPSK	135	138	20.61		21.5	0.0
100	QPSK	270	0	20.70			
100	8QAM	1	1	20.74		21.5	0.0
100	8QAM	1	1	20.74		21.5	0.0
100	256QAM	1	1	20.75		21.5	0.0
Channel				660000			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.71	20.78	20.80	21.5
Channel				660000			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.66	20.78	20.80	21.5
Channel				660000			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.66	20.70	20.80	21.5
Channel				660000			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.63	20.73	20.82	21.5
Channel				660000			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.66	20.76	20.59	21.5
Channel				660000			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.67	20.74	20.63	21.5
Channel				660000			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.67	20.70	20.64	21.5
Channel				660000			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.63	20.72	20.68	21.5
Channel				660000			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.69	20.80	20.68	21.5
Channel				660000			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.67	20.76	20.63	21.5
Channel				660000			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.69	20.78	20.59	21.5



Part27O_n78(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				23.42	23.52	23.62	24.5	0.0	
100	RUZ BPSK	1	1	23.42	23.52	23.62	24.5	0.0	
100	RUZ BPSK	1	137	23.42	23.52	23.62	24.5	0.0	
100	RUZ BPSK	1	271	23.42	23.52	23.62	24.5	0.0	
100	RUZ BPSK	135	0	23.42	23.52	23.62	24.5	0.0	
100	RUZ BPSK	135	69	23.42	23.52	23.62	24.5	0.0	
100	RUZ BPSK	135	138	23.42	23.52	23.62	24.5	0.0	
100	RUZ BPSK	270	0	23.42	23.52	23.62	24.5	0.0	
100	QPSK	1	1	23.42	23.52	23.62	24.5	0.0	
100	QPSK	1	137	23.42	23.52	23.62	24.5	0.0	
100	QPSK	1	271	23.42	23.52	23.62	24.5	0.0	
100	QPSK	135	0	23.42	23.52	23.62	24.5	0.0	
100	QPSK	135	69	23.42	23.52	23.62	24.5	0.0	
100	QPSK	135	138	23.42	23.52	23.62	24.5	0.0	
100	QPSK	270	0	23.42	23.52	23.62	24.5	0.0	
100	BQAM	1	1	23.42	23.52	23.62	24.5	0.0	
100	BQAM	1	1	23.42	23.52	23.62	24.5	0.0	
100	SSBQAM	1	1	23.42	23.52	23.62	24.5	0.0	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				3745.02	3750	3754.98	24.5	0.0	
90	QPSK	1	1	23.44	23.55	23.65	24.5	0.0	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				3740.01	3750	3759.99	24.5	0.0	
80	QPSK	1	1	23.42	23.55	23.65	24.5	0.0	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				3735	3750	3765	24.5	0.0	
70	QPSK	1	1	23.44	23.53	23.65	24.5	0.0	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				3730.02	3750	3769.98	24.5	0.0	
60	QPSK	1	1	23.51	23.55	23.59	24.5	0.0	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				3725.01	3750	3774.99	24.5	0.0	
50	QPSK	1	1	23.44	23.53	23.63	24.5	0.0	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				3720	3750	3780	24.5	0.0	
40	QPSK	1	1	23.47	23.57	23.68	24.5	0.0	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				3715.02	3750	3784.98	24.5	0.0	
30	QPSK	1	1	23.47	23.53	23.67	24.5	0.0	
Channel				84868	85000	85132	24.5	0.0	
Frequency (MHz)				3712.5	3750	3787.5	24.5	0.0	
25	QPSK	1	1	23.43	23.53	23.63	24.5	0.0	
Channel				84734	85000	85266	24.5	0.0	
Frequency (MHz)				3710.51	3750	3790.49	24.5	0.0	
20	QPSK	1	1	23.51	23.51	23.67	24.5	0.0	
Channel				847168	85000	852832	24.5	0.0	
Frequency (MHz)				3707.52	3750	3792.48	24.5	0.0	
15	QPSK	1	1	23.45	23.51	23.67	24.5	0.0	
Channel				847000	85000	853000	24.5	0.0	
Frequency (MHz)				3705	3750	3795	24.5	0.0	
10	QPSK	1	1	23.51	23.51	23.69	24.5	0.0	



Part27Q_n78_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	20.48			
100	PQ2 BPSK	1	137	20.32			21.5
100	PQ2 BPSK	1	271	20.34			0.0
100	PQ2 BPSK	135	5	20.30			21.5
100	PQ2 BPSK	135	69	20.29			0.0
100	PQ2 BPSK	135	138	20.24			21.5
100	PQ2 BPSK	270	0	20.29			0.0
100	QPSK	1	1	20.53			
100	QPSK	1	137	20.38			21.5
100	QPSK	1	271	20.43			0.0
100	QPSK	135	5	20.36			0.0
100	QPSK	135	69	20.42			21.5
100	QPSK	135	138	20.31			0.0
100	QPSK	270	0	20.37			0.0
100	8QAM	1	1	20.42			21.5
100	8QAM	1	1	20.46			0.0
100	256QAM	1	1	20.48			21.5
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.17	20.39	20.28	21.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.16	20.41	20.37	21.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.17	20.47	20.26	21.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.20	20.41	20.28	21.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.21	20.40	20.34	21.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.16	20.38	20.36	21.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.21	20.45	20.31	21.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.17	20.46	20.33	21.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.20	20.42	20.28	21.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.19	20.39	20.35	21.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.16	20.41	20.36	21.5

Part27Q_n78(HPUe)_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	23.45			
100	PQ2 BPSK	1	137	23.49			24.5
100	PQ2 BPSK	1	271	23.46			0.0
100	PQ2 BPSK	135	5	23.33			24.5
100	PQ2 BPSK	135	69	23.41			0.0
100	PQ2 BPSK	135	138	23.32			24.5
100	PQ2 BPSK	270	0	23.21			0.0
100	QPSK	1	1	23.50			
100	QPSK	1	137	23.38			24.5
100	QPSK	1	271	23.24			0.0
100	QPSK	135	5	23.41			0.0
100	QPSK	135	69	23.50			24.5
100	QPSK	135	138	23.43			0.0
100	QPSK	270	0	23.35			0.0
100	8QAM	1	1	23.46			24.5
100	8QAM	1	1	23.51			0.0
100	256QAM	1	1	21.51			22.5
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	23.27	23.49	23.35	24.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	23.27	23.46	23.34	24.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	23.30	23.49	23.28	24.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	23.34	23.46	23.29	24.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	23.28	23.47	23.28	24.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	23.36	23.50	23.32	24.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	23.33	23.48	23.32	24.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	23.28	23.48	23.32	24.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	23.29	23.55	23.37	24.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	23.29	23.44	23.29	24.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	23.26	23.34	23.34	24.5

Part27Q_n78_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				660000			
Frequency (MHz)				3459.98			
100	PQ2 BPSK	1	1	20.69			
100	PQ2 BPSK	1	137	20.61			21.5
100	PQ2 BPSK	1	271	20.68			0.0
100	PQ2 BPSK	135	5	20.59			21.5
100	PQ2 BPSK	135	69	20.62			0.0
100	PQ2 BPSK	135	138	20.54			21.5
100	PQ2 BPSK	270	0	20.47			0.0
100	QPSK	1	1	20.79			
100	QPSK	1	137	20.72			21.5
100	QPSK	1	271	20.74			0.0
100	QPSK	135	5	20.68			0.0
100	QPSK	135	69	20.73			21.5
100	QPSK	135	138	20.61			0.0
100	QPSK	270	0	20.59			0.0
100	8QAM	1	1	20.71			21.5
100	8QAM	1	1	20.68			0.0
100	256QAM	1	1	20.68			21.5
Channel				660000			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.58	20.71	20.61	21.5
Channel				660000			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.58	20.68	20.54	21.5
Channel				660000			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.54	20.74	20.56	21.5
Channel				660000			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.55	20.73	20.57	21.5
Channel				660000			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.59	20.74	20.56	21.5
Channel				660000			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.63	20.72	20.56	21.5
Channel				660000			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.61	20.70	20.54	21.5
Channel				660000			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.64	20.64	20.58	21.5
Channel				660000			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.54	20.68	20.53	21.5
Channel				660000			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.60	20.72	20.60	21.5
Channel				660000			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.59	20.59	20.54	21.5



Part27O_n78(HPUE)_Ant 8												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode	Power High Ch./Freq.	Tune-up band (dBm)	MPR (dB)				
Channel				660000								
Frequency (MHz)				23.62								
100	PI2 BPSK	1	1		23.62		24.5	0.0				
100	PI2 BPSK	1	137		23.55							
100	PI2 BPSK	1	271		23.48							
100	PI2 BPSK	135	0		23.47							
100	PI2 BPSK	135	69		23.59							
100	PI2 BPSK	135	138		23.48		24.5	0.0				
100	PI2 BPSK	270	0		23.42							
100	QPSK	1	1		23.73							
100	QPSK	1	137		23.66							
100	QPSK	1	271		23.59							
100	QPSK	135	0		23.80		24.5	0.0				
100	QPSK	135	69		23.65							
100	QPSK	135	138		23.51							
100	QPSK	270	0		23.53							
100	16QAM	1	1		23.87							
100	64QAM	1	1		23.92		24.5	0.0				
100	256QAM	1	1		24.87							
Channel				58888	60000	65212						
Frequency (MHz)				3745.02	3750	3754.98	Tune-up band (dBm)		MPR (dB)			
90	QPSK	1	1	23.48	23.80	23.96	24.5	0.0				
Channel				64533	65000	65666						
Frequency (MHz)				3740.01	3750	3759.99						
80	QPSK	1	1	23.39	23.64	23.52				24.5	0.0	
Channel				64900	65000	65110						
Frequency (MHz)				3735	3750	3765						
70	QPSK	1	1	23.37	23.67	23.54	24.5	0.0				
Channel				64968	65000	65132						
Frequency (MHz)				3730.02	3750	3769.98						
60	QPSK	1	1	23.44	23.58	23.52				24.5	0.0	
Channel				64933	65000	65066						
Frequency (MHz)				3725.01	3750	3774.99						
50	QPSK	1	1	23.40	23.66	23.53	24.5	0.0				
Channel				64900	65000	65100						
Frequency (MHz)				3720	3750	3780						
40	QPSK	1	1	23.40	23.62	23.53				24.5	0.0	
Channel				64968	65000	65036						
Frequency (MHz)				3715.02	3750	3784.98						
30	QPSK	1	1	23.43	23.67	23.58	24.5	0.0				
Channel				64960	65000	65040						
Frequency (MHz)				3712.8	3750	3787.5						
25	QPSK	1	1	23.42	23.62	23.57				24.5	0.0	
Channel				64924	65000	65076						
Frequency (MHz)				3710.01	3750	3789.99						
20	QPSK	1	1	23.38	23.58	23.58	24.5	0.0				
Channel				64868	65000	65082						
Frequency (MHz)				3707.52	3750	3792.48						
15	QPSK	1	1	23.44	23.67	23.56				24.5	0.0	
Channel				64900	65000	65100						
Frequency (MHz)				3705	3750	3795						
10	QPSK	1	1	23.48	23.68	23.62	24.5	0.0				
Channel				64868	65000	65082						
Frequency (MHz)				3702.52	3750	3797.48						



n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	20.69	20.84	20.65	21.5	0.0	
40	Pl2 BPSK	1	108	20.71	20.75	20.59			
40	Pl2 BPSK	1	214	20.64	20.72	20.52			
40	Pl2 BPSK	108	0	20.55	20.61	20.50	21.5	0.0	
40	Pl2 BPSK	108	54	20.63	20.63	20.53	21.5	0.0	
40	Pl2 BPSK	108	108	20.59	20.55	20.44	21.5	0.0	
40	Pl2 BPSK	216	0	20.52	20.59	20.51	21.5	0.0	
40	QPSK	1	1	20.61	20.91	20.76	21.5	0.0	
40	QPSK	1	108	20.76	20.82	20.71			
40	QPSK	1	214	20.70	20.84	20.66			
40	QPSK	108	0	20.82	20.87	20.58	21.5	0.0	
40	QPSK	108	54	20.74	20.77	20.67	21.5	0.0	
40	QPSK	108	108	20.85	20.70	20.59	21.5	0.0	
40	QPSK	216	0	20.81	20.64	20.61	21.5	0.0	
40	16QAM	1	1	20.74	20.79	20.64	21.5	0.0	
40	4QAM	1	1	20.72	20.78	20.70	21.5	0.0	
40	256QAM	1	1	18.88	18.73	18.51	19.5	2.0	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)		
35	QPSK	1	1	20.72	20.85	20.67	21.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)		
30	QPSK	1	1	20.71	20.83	20.66	21.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)		
25	QPSK	1	1	20.68	20.76	20.69	21.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)		
20	QPSK	1	1	20.75	20.83	20.66	21.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	20.69	20.77	20.69	21.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)		
10	QPSK	1	1	20.72	20.79	20.65	21.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)		
5	QPSK	1	1	20.74	20.76	20.71	21.5	0.0	

Reduced Power Mode for DS17									
n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	20.17	20.27	20.19	21.0	0.0	
40	Pl2 BPSK	1	108	20.08	20.12	20.10			
40	Pl2 BPSK	1	214	20.03	20.14	20.11			
40	Pl2 BPSK	108	0	20.05	20.03	20.07	21.0	0.0	
40	Pl2 BPSK	108	54	20.18	20.14	20.15	21.0	0.0	
40	Pl2 BPSK	108	108	19.98	20.05	20.07	21.0	0.0	
40	Pl2 BPSK	216	0	20.03	20.17	19.98	21.0	0.0	
40	QPSK	1	1	20.28	20.33	20.20	21.0	0.0	
40	QPSK	1	108	20.15	20.20	20.17			
40	QPSK	1	214	20.15	20.27	20.22			
40	QPSK	108	0	20.16	20.15	20.16	21.0	0.0	
40	QPSK	108	54	20.23	20.28	20.23	21.0	0.0	
40	QPSK	108	108	20.10	20.17	20.13	21.0	0.0	
40	QPSK	216	0	20.08	20.23	20.08	21.0	0.0	
40	16QAM	1	1	20.17	20.24	20.21	21.0	0.0	
40	64QAM	1	1	20.15	20.24	20.23	21.0	0.0	
40	256QAM	1	1	18.61	18.66	18.64	19.5	1.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1892.5	(dBm)		
35	QPSK	1	1	20.21	20.19	20.21	21.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)		
30	QPSK	1	1	20.14	20.25	20.16	21.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)		
25	QPSK	1	1	20.23	20.26	20.16	21.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)		
20	QPSK	1	1	20.17	20.23	20.21	21.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	20.15	20.26	20.21	21.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)		
10	QPSK	1	1	20.20	20.18	20.16	21.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)		
5	QPSK	1	1	20.16	20.25	20.15	21.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	16.28	16.36	16.23	17.5	0.0	
40	Pl2 BPSK	1	108	16.23	16.24	16.11			
40	Pl2 BPSK	1	214	16.17	16.29	16.15			
40	Pl2 BPSK	108	0	16.13	16.19	16.04	17.5	0.0	
40	Pl2 BPSK	108	54	16.26	16.38	16.23	17.5	0.0	
40	Pl2 BPSK	108	108	16.17	16.17	16.10	17.5	0.0	
40	Pl2 BPSK	216	0	16.16	16.22	16.08	17.5	0.0	
40	QPSK	1	1	16.42	16.50	16.33	17.5	0.0	
40	QPSK	1	108	16.30	16.39	16.22			
40	QPSK	1	214	16.28	16.35	16.21			
40	QPSK	108	0	16.25	16.33	16.14	17.5	0.0	
40	QPSK	108	54	16.34	16.44	16.28	17.5	0.0	
40	QPSK	108	108	16.27	16.31	16.18	17.5	0.0	
40	QPSK	216	0	16.25	16.35	16.22	17.5	0.0	
40	16QAM	1	1	16.28	16.42	16.22	17.5	0.0	
40	48QAM	1	1	16.33	16.37	16.27	17.5	0.0	
40	256QAM	1	1	16.27	16.44	16.24	17.5	0.0	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)		
35	QPSK	1	1	16.30	16.43	16.26	17.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)		
30	QPSK	1	1	16.29	16.41	16.19	17.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)		
25	QPSK	1	1	16.31	16.37	16.19	17.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)		
20	QPSK	1	1	16.30	16.40	16.25	17.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	16.32	16.45	16.22	17.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	(dBm)		
10	QPSK	1	1	16.28	16.39	16.26	17.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)		
5	QPSK	1	1	16.33	16.37	16.21	17.5	0.0	

n2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				375000	376000	376000			
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	19.01	19.08	19.03			
40	PI2 BPSK	1	108	18.86	19.01	18.84	20.5	0.0	
40	PI2 BPSK	1	214	18.96	19.01	19.06			
40	PI2 BPSK	108	0	18.77	19.01	18.91	20.5	0.0	
40	PI2 BPSK	108	54	18.93	19.04	18.99	20.5	0.0	
40	PI2 BPSK	108	108	18.85	18.95	18.88			
40	PI2 BPSK	216	0	18.73	18.84	18.89	20.5	0.0	
40	QPSK	1	1	19.12	19.21	19.15			
40	QPSK	1	108	18.99	19.12	18.06	20.5	0.0	
40	QPSK	1	214	19.02	19.15	19.13			
40	QPSK	108	0	18.91	19.08	18.86	20.5	0.0	
40	QPSK	108	54	18.93	19.13	19.05	20.5	0.0	
40	QPSK	108	108	18.94	19.02	18.99			
40	QPSK	216	0	18.88	18.95	18.93	20.5	0.0	
40	16QAM	1	1	19.01	19.11	19.04	20.5	0.0	
40	64QAM	1	1	19.01	19.07	19.05	20.5	0.0	
40	256QAM	1	1	18.12	18.14	18.12	19.5	1.0	
Channel				373500	376000	376000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1897.5	1890	1892.5	(dB)	(dB)	
35	QPSK	1	1	19.00	19.06	19.13	20.5	0.0	
Channel				379000	376000	376000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1895	(dB)	(dB)	
30	QPSK	1	1	19.02	19.13	19.13	20.5	0.0	
Channel				372500	376000	376000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dB)	(dB)	
25	QPSK	1	1	19.07	19.12	19.09	20.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1880	1900	(dB)	(dB)	
20	QPSK	1	1	19.06	19.16	19.12	20.5	0.0	
Channel				371500	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dB)	(dB)	
15	QPSK	1	1	18.95	19.15	19.05	20.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1905	(dB)	(dB)	
10	QPSK	1	1	19.07	19.08	19.06	20.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1907.5	(dB)	(dB)	
5	QPSK	1	1	19.07	19.06	19.05	20.5	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167300			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.89	22.86			
20	PI2 BPSK	1	53	22.80	22.83	22.74	24.0	0.0	
20	PI2 BPSK	1	104	22.76	22.79	22.70			
20	PI2 BPSK	50	0	22.29	22.42	22.33	23.5	0.5	
20	PI2 BPSK	50	28	22.76	22.86	22.81	24.0	0.0	
20	PI2 BPSK	50	56	22.28	22.40	22.26			
20	PI2 BPSK	100	0	22.37	22.49	22.32	23.5	0.5	
20	QPSK	1	1	22.97	22.90	22.91			
20	QPSK	1	53	22.70	22.83	22.74	24.0	0.0	
20	QPSK	1	104	22.80	22.87	22.80			
20	QPSK	50	0	21.93	22.04	22.06	23.0	1.0	
20	QPSK	50	28	22.93	22.97	22.95	24.0	0.0	
20	QPSK	50	56	21.99	22.02	22.01			
20	QPSK	100	0	21.94	21.96	21.88	23.0	1.0	
20	16QAM	1	1	21.97	22.01	21.90	23.0	1.0	
20	64QAM	1	1	20.46	20.50	20.37	21.5	2.5	
20	256QAM	1	1	18.82	18.89	18.48	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dB)	(dB)	
15	QPSK	1	1	22.81	22.79	22.70	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dB)	(dB)	
10	QPSK	1	1	22.77	22.75	22.75	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dB)	(dB)	
5	QPSK	1	1	22.72	22.79	22.73	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167300			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.68	22.77	22.63			
20	PI2 BPSK	1	53	22.60	22.74	22.59	24.0	0.0	
20	PI2 BPSK	1	104	22.62	22.70	22.65			
20	PI2 BPSK	50	0	22.28	22.33	22.32	23.5	0.5	
20	PI2 BPSK	50	28	22.70	22.76	22.61	24.0	0.0	
20	PI2 BPSK	50	56	22.15	22.28	22.19	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.25	22.34			
20	QPSK	1	1	22.75	22.80	22.72			
20	QPSK	1	53	22.60	22.73	22.61	24.0	0.0	
20	QPSK	1	104	22.73	22.75	22.63			
20	QPSK	50	0	21.82	21.88	21.74	23.0	1.0	
20	QPSK	50	28	22.95	22.77	22.97	24.0	0.0	
20	QPSK	50	56	21.82	21.86	21.85			
20	QPSK	100	0	21.75	21.90	21.76	23.0	1.0	
20	16QAM	1	1	21.87	21.95	21.86	23.0	1.0	
20	64QAM	1	1	20.35	20.38	20.25	21.5	2.5	
20	256QAM	1	1	18.43	18.45	18.34	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dB)	(dB)	
15	QPSK	1	1	22.70	22.73	22.61	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dB)	(dB)	
10	QPSK	1	1	22.61	22.73	22.63	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dB)	(dB)	
5	QPSK	1	1	22.70	22.70	22.57	24.0	0.0	



n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				25000	25350	25700			
40	Pl2 BPSK	1	1	23.32	23.40	23.28	24.0	0.0	
40	Pl2 BPSK	1	108	23.24	23.32	23.20			
40	Pl2 BPSK	1	214	23.36	23.38	23.29			
40	Pl2 BPSK	108	0	22.78	22.85	22.75	23.5	0.5	
40	Pl2 BPSK	108	54	23.30	23.34	23.31	24.0	0.0	
40	Pl2 BPSK	108	108	22.77	22.88	22.86	23.5	0.5	
40	Pl2 BPSK	216	0	22.85	22.90	22.86	24.0	0.0	
40	QPSK	1	1	23.44	23.45	23.42			
40	QPSK	1	108	23.30	23.39	23.24			
40	QPSK	1	214	23.23	23.33	23.21	23.0	1.0	
40	QPSK	108	0	22.32	22.39	22.34			
40	QPSK	108	54	23.26	23.41	23.35			
40	QPSK	108	108	22.32	22.38	22.36	23.0	1.0	
40	QPSK	216	0	22.25	22.35	22.26	23.0	1.0	
40	16QAM	1	1	22.26	22.40	22.37	23.0	1.0	
40	64QAM	1	1	20.86	20.93	20.84	21.5	2.5	
40	256QAM	1	1	18.77	18.88	18.73	19.5	4.5	
Channel				505500	507000	510500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	(dBm)		
35	QPSK	1	1	23.32	23.39	23.31	24.0	0.0	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	23.35	23.40	23.36	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	23.29	23.30	23.31	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	23.39	23.39	23.31	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	23.35	23.31	23.30	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	23.37	23.30	23.32	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	23.36	23.31	23.31	24.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2500	2535	2550			
40	Pl2 BPSK	1	1	19.51	19.66	19.54	20.5	0.0	
40	Pl2 BPSK	1	108	19.41	19.50	19.52			
40	Pl2 BPSK	1	214	19.42	19.54	19.47			
40	Pl2 BPSK	108	0	19.23	19.48	19.36	20.5	0.0	
40	Pl2 BPSK	108	54	19.43	19.54	19.40	20.5	0.0	
40	Pl2 BPSK	108	108	19.36	19.41	19.35	20.5	0.0	
40	Pl2 BPSK	216	0	19.22	19.45	19.29	20.5	0.0	
40	QPSK	1	1	19.66	19.71	19.67	20.5	0.0	
40	QPSK	1	108	19.52	19.56	19.60			
40	QPSK	1	214	19.53	19.61	19.62			
40	QPSK	108	0	19.37	19.53	19.41	20.5	0.0	
40	QPSK	108	54	19.51	19.62	19.53	20.5	0.0	
40	QPSK	108	108	19.42	19.50	19.40	20.5	0.0	
40	QPSK	216	0	19.37	19.51	19.42	20.5	0.0	
40	16QAM	1	1	19.55	19.59	19.52	20.5	0.0	
40	64QAM	1	1	19.55	19.58	19.60	20.5	0.0	
40	256QAM	1	1	18.52	18.61	18.42	19.5	1.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	19.55	19.61	19.59	20.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.58	19.64	19.56	20.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.51	19.66	19.62	20.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.59	19.61	19.58	20.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.54	19.59	19.61	20.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.58	19.59	19.57	20.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.54	19.56	19.52	20.5	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	510000			
Frequency (MHz)				2500	2535	2550			
40	Pl2 BPSK	1	1	17.77	17.76	17.68	18.5	0.0	
40	Pl2 BPSK	1	108	17.61	17.68	17.53			
40	Pl2 BPSK	1	214	17.69	17.70	17.53			
40	Pl2 BPSK	108	0	17.58	17.68	17.38	18.5	0.0	
40	Pl2 BPSK	108	54	17.75	17.75	17.55	18.5	0.0	
40	Pl2 BPSK	108	108	17.63	17.58	17.44	18.5	0.0	
40	Pl2 BPSK	216	0	17.60	17.65	17.46	18.5	0.0	
40	QPSK	1	1	17.66	17.90	17.75			
40	QPSK	1	108	17.73	17.78	17.66			
40	QPSK	1	214	17.82	17.78	17.65	18.5	0.0	
40	QPSK	108	0	17.71	17.79	17.49			
40	QPSK	108	54	17.63	17.85	17.63			
40	QPSK	108	108	17.76	17.71	17.58	18.5	0.0	
40	QPSK	216	0	17.73	17.77	17.52	18.5	0.0	
40	16QAM	1	1	17.81	17.79	17.63	18.5	0.0	
40	16QAM	1	1	17.77	17.77	17.65	18.5	0.0	
40	256QAM	1	1	17.80	17.81	17.66	18.5	0.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	(dBm)		
35	QPSK	1	1	17.83	17.84	17.84	18.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	17.75	17.77	17.68	18.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	17.74	17.81	17.63	18.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	17.78	17.75	17.73	18.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	17.75	17.79	17.65	18.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	17.73	17.78	17.73	18.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	17.74	17.75	17.66	18.5	0.0	



n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	510000			
Frequency (MHz)				2500	2535	2550			
40	Pl2 BPSK	1	1	16.79	16.86	16.77	18.0	0.0	
40	Pl2 BPSK	1	108	16.85	16.76	16.72			
40	Pl2 BPSK	1	214	16.84	16.77	16.73	18.0	0.0	
40	Pl2 BPSK	108	0	16.44	16.61	16.54			
40	Pl2 BPSK	108	54	16.59	16.76	16.67	18.0	0.0	
40	Pl2 BPSK	108	108	16.46	16.68	16.57			
40	Pl2 BPSK	216	0	16.51	16.66	16.60	18.0	0.0	
40	QPSK	1	1	16.54	16.98	16.92			
40	QPSK	1	108	16.75	16.84	16.87	18.0	0.0	
40	QPSK	1	214	16.74	16.87	16.80			
40	QPSK	108	0	16.57	16.76	16.63	18.0	0.0	
40	QPSK	108	54	16.71	16.88	16.77			
40	QPSK	108	108	16.57	16.79	16.66	18.0	0.0	
40	QPSK	216	0	16.66	16.79	16.67			
40	8QAM	1	1	16.79	16.87	16.87	18.0	0.0	
40	8QAM	1	1	16.75	16.93	16.86			
40	256QAM	1	1	16.72	16.91	16.87	18.0	0.0	
Channel				503500	507000	510500			
Frequency (MHz)				2512.5	2535	2552.5	18.0	0.0	
35	QPSK	1	1	16.69	16.83	16.77			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.71	16.83	16.67	18.0	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5	18.0	0.0	
25	QPSK	1	1	16.78	16.87	16.81			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.73	16.93	16.81	18.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	18.0	0.0	
15	QPSK	1	1	16.76	16.84	16.82			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.70	16.93	16.79	18.0	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5	18.0	0.0	
5	QPSK	1	1	16.78	16.85	16.79			

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.92	23.05	22.91	24.0	0.0	
15	Pl2 BPSK	1	40	23.01	23.08	22.99			
15	Pl2 BPSK	1	77	22.90	23.01	22.97	23.5	0.5	
15	Pl2 BPSK	36	0	22.49	22.59	22.56			
15	Pl2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	Pl2 BPSK	36	43	22.49	22.60	22.45			
15	Pl2 BPSK	75	0	22.46	22.52	22.43	23.5	0.5	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90	24.0	0.0	
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.80	22.02	22.06	23.0	1.0	
15	QPSK	36	22	22.95	23.06	22.93			
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.96	21.83			
15	8QAM	1	1	21.94	22.06	21.99	23.0	1.0	
15	8QAM	1	1	20.80	20.72	20.64			
15	256QAM	1	1	18.54	18.55	18.54	19.5	4.5	
Channel				140800	141500	142200			
Frequency (MHz)				704	707.5	711	24.0	0.0	
10	QPSK	1	1	22.99	22.96	22.82			
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.95	23.02	22.89	24.0	0.0	

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.72	22.85	22.79	24.0	0.0	
15	Pl2 BPSK	1	40	22.68	22.80	22.74			
15	Pl2 BPSK	1	77	22.73	22.78	22.69	23.5	0.5	
15	Pl2 BPSK	36	0	22.32	22.43	22.35			
15	Pl2 BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	Pl2 BPSK	36	43	22.33	22.48	22.36			
15	Pl2 BPSK	75	0	22.32	22.45	22.35	23.5	0.5	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77	24.0	0.0	
15	QPSK	1	77	22.68	22.81	22.75			
15	QPSK	36	0	21.85	21.86	21.79	23.0	1.0	
15	QPSK	36	22	22.72	22.86	22.84			
15	QPSK	36	43	21.73	21.84	21.76	23.0	1.0	
15	QPSK	75	0	21.80	21.81	21.76			
15	8QAM	1	1	21.72	21.75	21.60	23.0	1.0	
15	8QAM	1	1	20.28	20.39	20.31			
15	256QAM	1	1	18.35	18.40	18.32	19.5	4.5	
Channel				140800	141500	142200			
Frequency (MHz)				704	707.5	711	24.0	0.0	
10	QPSK	1	1	22.78	22.84	22.73			
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.71	22.83	22.78	24.0	0.0	



n14_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158000			24.0	0.0
Frequency (MHz)				795				
10	Pliz BPSK	1	1		23.30			
10	Pliz BPSK	1	26		23.22			
10	Pliz BPSK	1	50		23.28		23.5	0.5
10	Pliz BPSK	25	0		22.75		24.0	0.0
10	Pliz BPSK	25	14		23.25		24.0	0.5
10	Pliz BPSK	25	27		22.77		23.5	0.5
10	Pliz BPSK	50	0		22.72			
10	QPSK	1	1		23.37		24.0	0.0
10	QPSK	1	26		23.30			
10	QPSK	1	50		23.33		23.0	1.0
10	QPSK	25	0		22.05		24.0	0.0
10	QPSK	25	14		23.26			
10	QPSK	25	27		22.10		23.0	1.0
10	QPSK	50	0		22.02		23.0	1.0
10	6QAM	1	1		22.39		21.5	2.5
10	6QAM	1	1		20.88		19.5	4.5
10	256QAM	1	1		18.90			
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				793.5	793	793.5	24.0	0.0
5	QPSK	1	1	23.32	23.29	23.26		

n14_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158000			24.0	0.0
Frequency (MHz)				793				
10	Pliz BPSK	1	1		23.00			
10	Pliz BPSK	1	26		23.02			
10	Pliz BPSK	1	50		22.96		23.5	0.5
10	Pliz BPSK	25	0		22.58		24.0	0.0
10	Pliz BPSK	25	14		22.99		23.5	0.5
10	Pliz BPSK	25	27		22.50			
10	Pliz BPSK	50	0		22.54			
10	QPSK	1	1		23.07		24.0	0.0
10	QPSK	1	26		23.03			
10	QPSK	1	50		23.00		23.0	1.0
10	QPSK	25	0		22.10		24.0	0.0
10	QPSK	25	14		22.95			
10	QPSK	25	27		22.02		23.0	1.0
10	QPSK	50	0		22.07		23.0	1.0
10	6QAM	1	1		22.00		21.5	2.5
10	6QAM	1	1		20.44		19.5	4.5
10	256QAM	1	1		18.50			
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				793.5	793	793.5	24.0	0.0
5	QPSK	1	1	22.90	22.95	22.85		

n25_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374500	376500	378000	21.5	0.0
Frequency (MHz)				1870	1882.5	1895		
40	P12 BPSK	1	1	20.80	20.85	20.62		
40	P12 BPSK	1	108	20.76	20.75	20.50		
40	P12 BPSK	1	214	20.66	20.75	20.55		
40	P12 BPSK	108	0	20.53	20.66	20.52	21.5	0.0
40	P12 BPSK	108	54	20.67	20.78	20.56	21.5	0.0
40	P12 BPSK	108	108	20.68	20.81	20.54	21.5	0.0
40	P12 BPSK	216	0	20.81	20.84	20.49	21.5	0.0
40	QPSK	1	1	20.88	20.90	20.77		
40	QPSK	1	108	20.84	20.85	20.64		
40	QPSK	1	214	20.76	20.82	20.66	21.5	0.0
40	QPSK	108	0	20.67	20.73	20.58	21.5	0.0
40	QPSK	108	54	20.92	20.94	20.70	21.5	0.0
40	QPSK	108	108	20.77	20.71	20.65	21.5	0.0
40	QPSK	216	0	20.71	20.77	20.64	21.5	0.0
40	16QAM	1	1	20.83	20.81	20.65	21.5	0.0
40	64QAM	1	1	20.83	20.81	20.64	21.5	0.0
40	256QAM	1	1	18.77	18.80	18.68	19.5	2.0
Channel				375000	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1897.5	1882.5	1897.5	21.5	0.0
35	QPSK	1	1	20.79	20.81	20.68		
Channel				376000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1882.5	1900	21.5	0.0
30	QPSK	1	1	20.81	20.81	20.71		
Channel				377500	376500	375500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1882.5	1892.5	21.5	0.0
25	QPSK	1	1	20.82	20.81	20.64		
Channel				377000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1880	1882.5	1905	21.5	0.0
20	QPSK	1	1	20.84	20.84	20.62		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1872.5	1882.5	1872.5	21.5	0.0
15	QPSK	1	1	20.81	20.76	20.62		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1882.5	1910	21.5	0.0
10	QPSK	1	1	20.79	20.82	20.70		
Channel				371000	376500	375500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1882.5	1912.5	21.5	0.0
5	QPSK	1	1	20.75	20.81	20.87		



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	20.27	20.30	20.24	21.0	0.0	
40	Pl2 BPSK	1	108	20.16	20.23	20.12			
40	Pl2 BPSK	1	214	20.14	20.23	20.08			
40	Pl2 BPSK	108	0	20.13	20.15	20.05			
40	Pl2 BPSK	108	54	20.11	20.15	20.07	21.0	0.0	
40	Pl2 BPSK	108	108	20.11	20.07	20.04	21.0	0.0	
40	Pl2 BPSK	216	0	20.14	20.11	20.01			
40	QPSK	1	1	20.32	20.35	20.31			
40	QPSK	1	108	20.26	20.30	20.18		21.0	
40	QPSK	1	214	20.19	20.30	20.22			
40	QPSK	108	0	20.19	20.21	20.11	21.0	0.0	
40	QPSK	108	54	20.26	20.27	20.20	21.0	0.0	
40	QPSK	108	108	20.16	20.19	20.12	21.0	0.0	
40	QPSK	216	0	20.19	20.20	20.12			
40	16QAM	1	1	20.24	20.25	20.22	21.0	0.0	
40	64QAM	1	1	20.17	20.20	20.17	21.0	0.0	
40	256QAM	1	1	18.73	18.83	18.67	19.5	1.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	20.27	20.24	20.26	21.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	20.23	20.20	20.19	21.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	20.26	20.22	20.21	21.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	20.23	20.27	20.23	21.0	0.0	
Channel				371000	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1902.5			
15	QPSK	1	1	20.25	20.21	20.19	21.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	20.20	20.26	20.22	21.0	0.0	
Channel				371000	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	20.25	20.26	20.26	21.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	16.47	16.54	16.48	17.5	0.0	
40	Pl2 BPSK	1	108	16.32	16.47	16.34			
40	Pl2 BPSK	1	214	16.47	16.51	16.46			
40	Pl2 BPSK	108	0	16.43	16.43	16.19			
40	Pl2 BPSK	108	54	16.48	16.48	16.38	17.5	0.0	
40	Pl2 BPSK	108	108	16.36	16.38	16.22	17.5	0.0	
40	Pl2 BPSK	216	0	16.36	16.35	16.29			
40	QPSK	1	1	16.61	16.68	16.50			
40	QPSK	1	108	16.46	16.61	16.46		17.5	
40	QPSK	1	214	16.55	16.56	16.53			
40	QPSK	108	0	16.46	16.50	16.31	17.5	0.0	
40	QPSK	108	54	16.54	16.60	16.45	17.5	0.0	
40	QPSK	108	108	16.41	16.46	16.32	17.5	0.0	
40	QPSK	216	0	16.44	16.45	16.35			
40	10QAM	1	1	16.48	16.63	16.47	17.5	0.0	
40	16QAM	1	1	16.50	16.59	16.52	17.5	0.0	
40	256QAM	1	1	16.47	16.61	16.48	17.5	0.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	16.50	16.61	16.47	17.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	16.46	16.58	16.48	17.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	16.51	16.61	16.52	17.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1912.5			
20	QPSK	1	1	16.52	16.54	16.50	17.5	0.0	
Channel				371000	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1912.5			
15	QPSK	1	1	16.48	16.56	16.45	17.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	16.55	16.62	16.51	17.5	0.0	
Channel				371000	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	16.53	16.56	16.48	17.5	0.0	

n25_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	19.28	19.29	19.35	20.5	0.0	
40	PV2 BPSK	1	108	19.15	19.20	19.19			
40	PV2 BPSK	1	214	19.16	19.24	19.26			
40	PV2 BPSK	108	0	19.02	19.22	19.13			
40	PV2 BPSK	108	54	19.21	19.34	19.20	20.5	0.0	
40	PV2 BPSK	108	108	19.05	19.22	19.22	20.5	0.0	
40	PV2 BPSK	216	0	19.06	19.13	19.12			
40	QPSK	1	1	19.40	19.44	19.42			
40	QPSK	1	108	19.27	19.30	19.28			
40	QPSK	1	214	19.25	19.39	19.34	20.5	0.0	
40	QPSK	108	0	19.15	19.34	19.26	20.5	0.0	
40	QPSK	108	54	19.25	19.36	19.35	20.5	0.0	
40	QPSK	108	108	19.19	19.27	19.27	20.5	0.0	
40	QPSK	216	0	19.19	19.27	19.26	20.5	0.0	
40	16QAM	1	1	19.35	19.30	19.28	20.5	0.0	
40	4QAM	1	1	19.26	19.29	19.32	20.5	0.0	
40	256QAM	1	1	19.35	19.42	19.39	19.5	1.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	19.28	19.33	19.30	20.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	19.25	19.30	19.37	20.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	19.30	19.35	19.28	20.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	19.27	19.35	19.35	20.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	19.34	19.33	19.34	20.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	19.35	19.30	19.29	20.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	19.27	19.33	19.28	20.5	0.0	



n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				831.5	831.5	836			
20	Pliz BPSK	1	1	22.88	22.93	23.02	24.0	0.0	
20	Pliz BPSK	1	53	22.84	22.76	22.90			
20	Pliz BPSK	1	104	22.93	22.93	22.96			
20	Pliz BPSK	50	0	22.44	22.43	22.47			
20	Pliz BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	Pliz BPSK	50	56	22.39	22.45	22.52	23.5	0.5	
20	Pliz BPSK	100	0	22.40	22.47	22.50			
20	QPSK	1	1	23.03	23.01	23.05	24.0	0.0	
20	QPSK	1	53	23.01	22.95	23.04			
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07			
20	QPSK	50	28	22.91	22.96	22.96	24.0	0.0	
20	QPSK	50	56	22.07	21.96	22.10	23.0	1.0	
20	QPSK	100	0	22.02	21.99	22.05			
20	16QAM	1	1	21.89	21.95	22.00	23.0	1.0	
20	64QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.94	22.95	22.98	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	836			
20	Pliz BPSK	1	1	22.96	22.89	23.02	24.0	0.0	
20	Pliz BPSK	1	53	22.78	22.75	22.90			
20	Pliz BPSK	1	104	22.91	22.95	22.96			
20	Pliz BPSK	50	0	22.34	22.36	22.47			
20	Pliz BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	Pliz BPSK	50	56	22.39	22.50	22.52	23.5	0.5	
20	Pliz BPSK	100	0	22.40	22.35	22.50			
20	QPSK	1	1	22.97	23.01	23.05	24.0	0.0	
20	QPSK	1	53	22.93	22.92	23.04			
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.99	22.07			
20	QPSK	50	28	22.95	22.91	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.95	22.10	23.0	1.0	
20	QPSK	100	0	21.96	21.95	22.05			
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	64QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				831.5	831.5	836			
20	Pliz BPSK	1	1	22.76	22.79	22.87	24.0	0.0	
20	Pliz BPSK	1	53	22.81	22.80	22.85			
20	Pliz BPSK	1	104	22.74	22.77	22.79			
20	Pliz BPSK	50	0	22.50	22.47	22.52			
20	Pliz BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	Pliz BPSK	50	56	22.38	22.32	22.42	23.5	0.5	
20	Pliz BPSK	100	0	22.33	22.37	22.44			
20	QPSK	1	1	22.97	22.97	22.85	24.0	0.0	
20	QPSK	1	53	22.75	22.70	22.80			
20	QPSK	1	104	22.84	22.84	22.77			
20	QPSK	50	0	21.77	21.75	21.90			
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95	23.0	1.0	
20	QPSK	100	0	21.84	21.76	21.90			
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	64QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				164300	166300	168300	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				163800	166300	168800	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0	
Channel				163300	166300	169300	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.85			
20	Pl2 BPSK	1	104	22.75	22.74	22.76	23.5	0.5	
20	Pl2 BPSK	50	0	22.49	22.40	22.52	24.0	0.0	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42	23.5	0.5	
20	Pl2 BPSK	100	0	22.33	22.32	22.44	24.0	0.0	
20	QPSK	1	1	22.80	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80			
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.81	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.76	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95	23.0	1.0	
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	16QAM	1	1	21.76	21.73	21.88	23.0	1.0	
20	64QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	22.72	22.69	22.83			
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0		
10	QPSK	1	1	22.75	22.67	22.78			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	24.0		
5	QPSK	1	1	22.72	22.65	22.82			

n30_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			24.0	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1	23.42								
10	Pl2 BPSK	1	26	23.38								
10	Pl2 BPSK	1	50	23.47			23.5	0.5				
10	Pl2 BPSK	25	0	23.01			24.0	0.0				
10	Pl2 BPSK	25	14	23.48			23.5	0.5				
10	Pl2 BPSK	25	27	23.05			24.0	0.0				
10	Pl2 BPSK	50	0	23.03								
10	QPSK	1	1	23.50								
10	QPSK	1	26	23.45				20.5				
10	QPSK	1	50	23.47								
10	QPSK	25	0	22.46			23.0	1.0				
10	QPSK	25	14	23.43			24.0	0.0				
10	QPSK	25	27	22.49			23.0	1.0				
10	QPSK	50	0	22.45			23.0	1.0				
10	16QAM	1	1	22.48			21.5	2.5				
10	16QAM	1	1	20.96			19.5	4.5				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0				
5	QPSK	1	1	23.45	23.49	23.41						

n30_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			20.5	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1	19.95								
10	Pl2 BPSK	1	26	19.79								
10	Pl2 BPSK	1	50	19.78			20.5	0.0				
10	Pl2 BPSK	25	0	19.70			20.5	0.0				
10	Pl2 BPSK	25	14	19.81			20.5	0.0				
10	Pl2 BPSK	25	27	19.74			20.5	0.0				
10	Pl2 BPSK	50	0	19.77			20.5	0.0				
10	QPSK	1	1	20.00								
10	QPSK	1	26	19.85								
10	QPSK	1	50	19.90								
10	QPSK	25	0	19.94			20.5	0.0				
10	QPSK	25	14	19.95			20.5	0.0				
10	QPSK	25	27	19.87			20.5	0.0				
10	QPSK	50	0	19.90			20.5	0.0				
10	16QAM	1	1	19.94			20.5	0.0				
10	8QAM	1	1	19.89			20.5	0.0				
10	256QAM	1	1	18.82			19.5	1.0				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	20.5	0.0				
5	QPSK	1	1	19.80	19.85	19.83						



n30_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				46000				
Frequency (MHz)				2310				
10	Pl2 BPSK	1	1	19.59			20.5	0.0
10	Pl2 BPSK	1	26	19.51				
10	Pl2 BPSK	1	50	19.50			20.5	0.0
10	Pl2 BPSK	25	0	19.44			20.5	0.0
10	Pl2 BPSK	25	14	19.54			20.5	0.0
10	Pl2 BPSK	25	27	19.39			20.5	0.0
10	Pl2 BPSK	50	0	19.36			20.5	0.0
10	QPSK	1	1	19.72			20.5	0.0
10	QPSK	1	26	19.62				
10	QPSK	1	50	19.64			20.5	0.0
10	QPSK	25	0	19.56			20.5	0.0
10	QPSK	25	14	19.62			20.5	0.0
10	QPSK	25	27	19.50			20.5	0.0
10	QPSK	50	0	19.53			20.5	0.0
10	8QAM	1	1	19.59			20.5	0.0
10	8QAM	1	1	19.65			20.5	0.0
10	256QAM	1	1	19.53			19.5	1.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.43	19.62	19.56	20.5	0.0

n30_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				46000				
Frequency (MHz)				2310				
10	Pl2 BPSK	1	1	19.39			20.5	0.0
10	Pl2 BPSK	1	26	19.28				
10	Pl2 BPSK	1	50	19.23			20.5	0.0
10	Pl2 BPSK	25	0	19.25			20.5	0.0
10	Pl2 BPSK	25	14	19.34			20.5	0.0
10	Pl2 BPSK	25	27	19.26			20.5	0.0
10	Pl2 BPSK	50	0	19.23			20.5	0.0
10	QPSK	1	1	19.51			20.5	0.0
10	QPSK	1	26	19.42				
10	QPSK	1	50	19.36			20.5	0.0
10	QPSK	25	0	19.32			20.5	0.0
10	QPSK	25	14	19.39			20.5	0.0
10	QPSK	25	27	19.34			20.5	0.0
10	QPSK	50	0	19.32			20.5	0.0
10	8QAM	1	1	19.41			20.5	0.0
10	8QAM	1	1	19.39			20.5	0.0
10	256QAM	1	1	19.07			19.5	1.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.27	19.37	19.40	20.5	0.0

n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	346000	350000		
Frequency (MHz)				1730	1745	1760		
40	Pl2 BPSK	1	1	19.96	19.96	19.88	21.0	0.0
40	Pl2 BPSK	1	108	19.79	19.79	19.83		
40	Pl2 BPSK	1	214	19.76	19.88	19.74	21.0	0.0
40	Pl2 BPSK	108	0	19.75	19.80	19.71	21.0	0.0
40	Pl2 BPSK	108	54	19.78	19.83	19.87	21.0	0.0
40	Pl2 BPSK	108	108	19.74	19.77	19.76	21.0	0.0
40	Pl2 BPSK	216	0	19.67	19.71	19.70		
40	QPSK	1	1	20.03	20.06	19.98	21.0	0.0
40	QPSK	1	108	19.90	19.93	19.83		
40	QPSK	1	214	19.91	20.00	19.88		
40	QPSK	108	0	19.86	19.87	19.83	21.0	0.0
40	QPSK	108	54	19.93	19.97	19.92	21.0	0.0
40	QPSK	108	108	19.83	19.83	19.86	21.0	0.0
40	QPSK	216	0	19.78	19.88	19.78	21.0	0.0
40	8QAM	1	1	19.92	19.92	19.90	21.0	0.0
40	8QAM	1	1	19.88	19.98	19.80	21.0	0.0
40	256QAM	1	1	19.25	19.38	19.28	20.5	0.5
Channel				345500	346000	352500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	19.90	19.94	19.92	21.0	0.0
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.95	19.99	19.90	21.0	0.0
Channel				345500	346000	353500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.96	19.92	19.86	21.0	0.0
Channel				345000	346000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.92	20.00	19.91	21.0	0.0
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.94	19.95	19.83	21.0	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.92	19.96	19.83	21.0	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.97	19.92	19.88	21.0	0.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	345000	350000	20.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	19.30	19.35	19.34			
40	Pl2 BPSK	1	108	19.19	19.21	19.23			
40	Pl2 BPSK	1	214	19.22	19.26	19.19	20.5	0.0	
40	Pl2 BPSK	108	0	19.17	19.25	19.04			
40	Pl2 BPSK	108	54	19.28	19.34	19.24			
40	Pl2 BPSK	108	108	19.10	19.16	19.05			
40	Pl2 BPSK	216	0	19.27	19.23	19.07	20.5	0.0	
40	QPSK	1	1	19.45	19.47	19.41			
40	QPSK	1	108	19.33	19.33	19.32		0.0	
40	QPSK	1	214	19.36	19.34	19.30			
40	QPSK	108	0	19.26	19.32	19.18			
40	QPSK	108	54	19.37	19.40	19.30	20.5	0.0	
40	QPSK	108	108	19.25	19.30	19.20			
40	QPSK	216	0	19.32	19.33	19.22			
40	ISAM	1	1	19.36	19.42	19.32	20.5	0.0	
40	ISAM	1	1	19.32	19.42	19.27			
40	256QAM	1	1	19.23	19.36	19.21		20.5	
Channel				345000	349000	352500			
Frequency (MHz)				1722.5	1745	1762.5	20.5	0.0	
35	QPSK	1	1	19.33	19.41	19.28			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.39	19.37	19.36		20.5	
Channel				345000	349000	353000			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	19.31	19.39	19.27	20.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
20	QPSK	1	1	19.34	19.42	19.30	20.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.32	19.41	19.31	20.5	0.0	
Channel				343000	349000	350000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.31	19.38	19.31	20.5	0.0	
Channel				342500	349000	350000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.33	19.40	19.28		20.5	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	350000	19.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	18.73	18.88	18.89			
40	Pl2 BPSK	1	108	18.64	18.72	18.52			
40	Pl2 BPSK	1	214	18.63	18.75	18.55	19.5	0.0	
40	Pl2 BPSK	108	0	18.49	18.61	18.43			
40	Pl2 BPSK	108	54	18.61	18.74	18.56			
40	Pl2 BPSK	108	108	18.42	18.63	18.44			
40	Pl2 BPSK	216	0	18.44	18.60	18.49	19.5	0.0	
40	QPSK	1	1	18.61	18.93	18.77			
40	QPSK	1	108	18.75	18.93	18.63		0.0	
40	QPSK	1	214	18.75	18.84	18.69			
40	QPSK	108	0	18.56	18.76	18.53			
40	QPSK	108	54	18.56	18.82	18.82	19.5	0.0	
40	QPSK	108	108	18.57	18.68	18.54			
40	QPSK	216	0	18.51	18.70	18.56			
40	ISAM	1	1	18.76	18.79	18.71	19.5	0.0	
40	ISAM	1	1	18.74	18.83	18.67			
40	256QAM	1	1	18.70	18.83	18.63			
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	18.70	18.82	18.65		19.5	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.71	18.71	18.62	19.5	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.69	18.87	18.72	19.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
20	QPSK	1	1	18.71	18.83	18.64	19.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.73	18.80	18.66	19.5	0.0	
Channel				343000	349000	350000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.69	18.79	18.67	19.5	0.0	
Channel				342500	349000	350000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.73	18.81	18.67		19.5	

n66_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	350000	20.17	21.5	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	20.22	20.23	20.17			
40	Pl2 BPSK	1	108	20.12	20.14	20.10			
40	Pl2 BPSK	1	214	20.09	20.17	20.12	21.5	0.0	
40	Pl2 BPSK	108	0	19.99	20.02	19.98			
40	Pl2 BPSK	108	54	20.12	20.12	20.03			
40	Pl2 BPSK	108	108	20.03	20.06	19.94			
40	Pl2 BPSK	216	0	19.97	20.05	19.89	21.5	0.0	
40	QPSK	1	1	20.31	20.35	20.29			
40	QPSK	1	108	20.25	20.28	20.21		0.0	
40	QPSK	1	214	20.17	20.23	20.17			
40	QPSK	108	0	20.12	20.13	20.04			
40	QPSK	108	54	20.17	20.24	20.17	21.5	0.0	
40	QPSK	108	108	20.12	20.17	20.02			
40	QPSK	216	0	20.03	20.16	20.03			
40	ISAM	1	1	20.24	20.26	20.22	21.5	0.0	
40	ISAM	1	1	20.20	20.24	20.20			
40	256QAM	1	1	18.33	18.50	18.39			
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	20.21	20.28	20.16		21.5	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.17	20.24	20.16	21.5	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	20.21	20.29	20.22	21.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.25	20.28	20.15	21.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.16	20.25	20.17	21.5	0.0	
Channel				343000	349000	350000			
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.26	20.28	20.19		21.5	
Channel				342500	349000	350500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.24	20.26	20.15	21.5	0.0	



n70_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000			23.0	0.0
Frequency (MHz)				1702.5				
15	Pliz BPSK	1	1	22.55				
15	Pliz BPSK	1	40	22.52				
15	Pliz BPSK	1	77	22.40				
15	Pliz BPSK	36	0	22.27				
15	Pliz BPSK	36	22	22.42				
15	Pliz BPSK	36	43	22.39				
15	Pliz BPSK	75	0	22.33				
15	QPSK	1	1	22.67				
15	QPSK	1	40	22.60				
15	QPSK	1	77	22.54				
15	QPSK	36	0	22.42				
15	QPSK	36	22	22.54				
15	QPSK	36	43	22.48				
15	QPSK	75	0	22.40				
15	8QAM	1	1	22.53				
15	8QAM	1	1	21.15				
15	256QAM	1	1	19.12				
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.05	22.57	22.57	23.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.58	22.59	22.58	23.0	0.0

n70_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000			24.0	0.0
Frequency (MHz)				1702.5				
15	Pliz BPSK	1	1	22.95				
15	Pliz BPSK	1	40	22.88				
15	Pliz BPSK	1	77	22.90				
15	Pliz BPSK	36	0	22.45				
15	Pliz BPSK	36	22	22.96				
15	Pliz BPSK	36	43	22.42				
15	Pliz BPSK	75	0	22.50				
15	QPSK	1	1	23.00				
15	QPSK	1	40	22.90				
15	QPSK	1	77	22.84				
15	QPSK	36	0	22.06				
15	QPSK	36	22	22.92				
15	QPSK	36	43	22.02				
15	QPSK	75	0	22.00				
15	8QAM	1	1	22.06				
15	8QAM	1	1	20.55				
15	256QAM	1	1	18.60				
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.91	22.95	22.96	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.87	22.91	22.77	24.0	0.0

n70_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000			19.0	0.0
Frequency (MHz)				1702.5				
15	Pliz BPSK	1	1	18.23				
15	Pliz BPSK	1	40	18.20				
15	Pliz BPSK	1	77	18.18				
15	Pliz BPSK	36	0	18.02				
15	Pliz BPSK	36	22	18.17				
15	Pliz BPSK	36	43	18.07				
15	Pliz BPSK	75	0	18.07				
15	QPSK	1	1	18.37				
15	QPSK	1	40	18.31				
15	QPSK	1	77	18.26				
15	QPSK	36	0	18.09				
15	QPSK	36	22	18.24				
15	QPSK	36	43	18.19				
15	QPSK	75	0	18.16				
15	8QAM	1	1	18.52				
15	8QAM	1	1	18.25				
15	256QAM	1	1	18.30				
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	18.19	18.26	18.21	19.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	18.25	18.28	18.21	19.0	0.0



n70_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	1702.5				
15	Plz BPSK	1	1		20.18				
15	Plz BPSK	1	49		20.18		21.0		0.0
15	Plz BPSK	1	77		20.16		21.0	0.0	
15	Plz BPSK	36	0	18.97	20.05		21.0	0.0	
15	Plz BPSK	36	22		20.05		21.0	0.0	
15	Plz BPSK	36	43		20.05		21.0	0.0	
15	Plz BPSK	75	0	20.04			21.0	0.0	
15	QPSK	1	1	20.30					
15	QPSK	1	49	20.24			21.0	0.0	
15	QPSK	1	77	20.25					
15	QPSK	36	0	20.11			21.0	0.0	
15	QPSK	36	22	20.20			21.0	0.0	
15	QPSK	36	43	20.10			21.0	0.0	
15	QPSK	75	0	20.09			21.0	0.0	
15	64QAM	1	1	20.15			21.0	0.0	
15	64QAM	1	1	20.20			21.0	0.0	
15	256QAM	1	1	18.76			19.5	1.5	
Channel				34000	34000	341000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1700	1702.5	1705	21.0	0.0	
Channel				339000	340000	341500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	1687.5	1702.5	1707.5	21.0	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134000	134100	137600			
Frequency (MHz)				673	680.5	688			
20	Plz BPSK	1	1	23.03	23.03	23.07			
20	Plz BPSK	1	53	22.91	23.04	23.01	24.0		0.0
20	Plz BPSK	1	104	23.06	23.02	23.02	23.5	0.5	
20	Plz BPSK	50	0	22.72	22.60	22.69	23.5	0.5	
20	Plz BPSK	50	28	23.06	23.03	23.04	24.0	0.0	
20	Plz BPSK	50	56	22.68	22.61	22.63	23.5	0.5	
20	Plz BPSK	100	0	22.62	22.55	22.55			
20	QPSK	1	1	23.07	23.14	23.10			
20	QPSK	1	53	23.05	23.04	22.96	24.0	0.0	
20	QPSK	1	104	23.03	23.12	22.88			
20	QPSK	50	0	22.98	22.15	22.09	23.0	1.0	
20	QPSK	50	28	22.97	23.10	23.07	24.0	0.0	
20	QPSK	50	56	22.14	22.11	22.13	23.0	1.0	
20	QPSK	100	0	22.03	22.05	22.03			
20	64QAM	1	1	22.03	22.15	22.02	23.0	1.0	
20	64QAM	1	1	20.57	20.68	20.61	21.5	2.5	
20	256QAM	1	1	18.63	18.68	18.55	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5			
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				688	680.5	693			
10	QPSK	1	1	22.98	23.06	22.96	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				686.5	680.5	686.5			
5	QPSK	1	1	22.96	23.03	22.99	24.0	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	134100	137600			
Frequency (MHz)				673	680.5	688			
20	Plz BPSK	1	1	22.72	22.82	22.79			
20	Plz BPSK	1	53	22.69	22.75	22.74	24.0	0.0	
20	Plz BPSK	1	104	22.69	22.60	22.65	23.5	0.5	
20	Plz BPSK	50	0	22.34	22.44	22.36	23.5	0.5	
20	Plz BPSK	50	28	22.79	22.80	22.78	24.0	0.0	
20	Plz BPSK	50	56	22.36	22.39	22.35	23.5	0.5	
20	Plz BPSK	100	0	22.32	22.33	22.34			
20	QPSK	1	1	22.77	22.85	22.75			
20	QPSK	1	53	22.68	22.77	22.73	24.0	0.0	
20	QPSK	1	104	22.69	22.83	22.69			
20	QPSK	50	0	21.79	21.89	21.84	23.0	1.0	
20	QPSK	50	28	22.72	22.80	22.71	24.0	0.0	
20	QPSK	50	56	21.87	21.90	21.83	23.0	1.0	
20	QPSK	100	0	21.73	21.82	21.67			
20	64QAM	1	1	21.83	21.86	21.76	23.0	1.0	
20	64QAM	1	1	20.37	20.39	20.33	21.5	2.5	
20	256QAM	1	1	18.30	18.40	18.32	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5			
15	QPSK	1	1	22.67	22.75	22.68	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				688	680.5	693			
10	QPSK	1	1	22.66	22.74	22.63	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				686.5	680.5	686.5			
5	QPSK	1	1	22.66	22.78	22.63	24.0	0.0	



n38_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
				2560.02	2565	2569.98			
40	Pl/2 BPSK	1	1	22.94	23.05	22.99			
40	Pl/2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0	
40	Pl/2 BPSK	1	104	22.80	22.82	22.79			
40	Pl/2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0	
40	Pl/2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0	
40	Pl/2 BPSK	50	56	22.68	22.75	22.60			
40	Pl/2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0	
40	QPSK	1	1	23.04	23.10	23.06			
40	QPSK	1	53	22.92	23.02	22.90	24.0	0.0	
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5	
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0	
40	QPSK	50	56	22.15	22.30	22.24			
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5	
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5	
40	64QAM	1	1	20.85	20.96	20.81	22.0	2.0	
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR	
				2565.01	2565	2564.99	(dBm)	(dB)	
30	QPSK	1	1	22.93	23.03	22.97	24.0	0.0	
Channel									
Frequency (MHz)				516004	519000	521498	Tune-up limit (dBm)	MPR	
				2562.52	2565	2607.48	(dBm)	(dB)	
25	QPSK	1	1	22.93	23.02	22.96	24.0	0.0	
Channel									
Frequency (MHz)				515002	519000	522498	Tune-up limit (dBm)	MPR	
				2560	2565	2610	(dBm)	(dB)	
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0	
Channel									
Frequency (MHz)				515002	519000	522498	Tune-up limit (dBm)	MPR	
				2575.01	2565	2614.98	(dBm)	(dB)	
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)				516004	519000	522998	Tune-up limit (dBm)	MPR	
				2575.02	2565	2614.98	(dBm)	(dB)	
10	QPSK	1	1	22.99	23.01	22.94	24.0	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2560.02	2565	2569.98			
40	Pl/2 BPSK	1	1	20.76	20.90	20.77			
40	Pl/2 BPSK	1	53	20.64	20.71	20.66	22.0	0.0	
40	Pl/2 BPSK	1	104	20.72	20.79	20.75			
40	Pl/2 BPSK	50	0	20.47	20.66	20.64	22.0	0.0	
40	Pl/2 BPSK	50	28	20.66	20.81	20.67	22.0	0.0	
40	Pl/2 BPSK	50	56	20.51	20.63	20.57			
40	Pl/2 BPSK	100	0	20.48	20.69	20.58	22.0	0.0	
40	QPSK	1	1	20.88	20.96	20.90			
40	QPSK	1	53	20.77	20.84	20.80	22.0	0.0	
40	QPSK	1	104	20.83	20.88	20.84			
40	QPSK	50	0	20.58	20.77	20.71	22.0	0.0	
40	QPSK	50	28	20.74	20.86	20.76	22.0	0.0	
40	QPSK	50	56	20.62	20.76	20.68			
40	QPSK	100	0	20.83	20.80	20.71	22.0	0.0	
40	16QAM	1	1	20.80	20.90	20.82	22.0	0.0	
40	64QAM	1	1	20.76	20.91	20.77	22.0	0.0	
40	256QAM	1	1	18.77	18.77	18.70	20.0	2.0	
Channel									
Frequency (MHz)				518100	519000	520998	Tune-up limit (dBm)	MPR	
				2565.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	20.78	20.85	20.84	22.0	0.0	
Channel									
Frequency (MHz)				516004	519000	521498	Tune-up limit (dBm)	MPR	
				2562.52	2595	2607.48	(dBm)	(dB)	
25	QPSK	1	1	20.78	20.91	20.78	22.0	0.0	
Channel									
Frequency (MHz)				515002	519000	522498	Tune-up limit (dBm)	MPR	
				2575.02	2595	2614.98	(dBm)	(dB)	
20	QPSK	1	1	20.80	20.81	20.80	22.0	0.0	
Channel									
Frequency (MHz)				515002	519000	522498	Tune-up limit (dBm)	MPR	
				2575.01	2595	2614.99	(dBm)	(dB)	
15	QPSK	1	1	20.83	20.82	20.82	22.0	0.0	
Channel									
Frequency (MHz)				516004	519000	522998	Tune-up limit (dBm)	MPR	
				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	20.82	20.81	20.75	22.0	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	519000	519996			
				2565	2565	2569.98			
40	Pl/2 BPSK	1	1	17.84	18.00	17.80			
40	Pl/2 BPSK	1	53	17.76	17.84	17.71	19.0	0.0	
40	Pl/2 BPSK	1	104	17.85	17.91	17.66			
40	Pl/2 BPSK	50	0	17.75	17.84	17.60	19.0	0.0	
40	Pl/2 BPSK	50	28	17.87	17.92	17.64	19.0	0.0	
40	Pl/2 BPSK	50	56	17.80	17.79	17.59			
40	Pl/2 BPSK	100	0	17.72	17.76	17.66	19.0	0.0	
40	QPSK	1	1	17.98	18.12	17.85			
40	QPSK	1	53	17.90	17.99	17.77	19.0	0.0	
40	QPSK	1	104	17.90	18.06	17.79			
40	QPSK	50	0	17.88	17.94	17.65	19.0	0.0	
40	QPSK	50	28	17.93	18.02	17.75	19.0	0.0	
40	QPSK	50	56	17.87	17.89	17.73			
40	QPSK	100	0	17.80	17.88	17.72	19.0	0.0	
40	16QAM	1	1	17.87	18.05	17.82	19.0	0.0	
40	64QAM	1	1	17.90	18.06	17.80	19.0	0.0	
40	256QAM	1	1	17.89	18.01	17.74	19.0	0.0	
Channel									
Frequency (MHz)				2565.01	2565	2604.99	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	17.90	18.03	17.83	19.0	0.0	
Channel									
Frequency (MHz)				516004	519000	521498	Tune-up limit (dBm)	MPR	
				2562.52	2565	2607.48	(dBm)	(dB)	
25	QPSK	1	1	17.84	18.01	17.83	19.0	0.0	
Channel									
Frequency (MHz)				515002	519000	522498	Tune-up limit (dBm)	MPR	
				2575.01	2565	2614.98	(dBm)	(dB)	
20	QPSK	1	1	17.84	18.01	17.74	19.0	0.0	
Channel									
Frequency (MHz)				515002	519000	522498	Tune-up limit (dBm)	MPR	
				2575.01	2565	2614.98	(dBm)	(dB)	
15	QPSK	1	1	17.87	18.03	17.74	19.0	0.0	
Channel									
Frequency (MHz)				516004	519000	522998	Tune-up limit (dBm)	MPR	
				2575.02	2565	2614.98	(dBm)	(dB)	
10	QPSK	1	1	17.84	17.98	17.76	19.0	0.0	



n38_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	18.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	16.69	16.68	16.61	18.0	0.0
40	PI2 BPSK	1	53	16.61	16.63	16.54		
40	PI2 BPSK	1	104	16.52	16.60	16.48	18.0	0.0
40	PI2 BPSK	50	0	16.40	16.55	16.43		
40	PI2 BPSK	50	28	16.55	16.67	16.49	18.0	0.0
40	PI2 BPSK	50	56	16.44	16.48	16.38	18.0	0.0
40	PI2 BPSK	100	0	16.46	16.57	16.42		
40	QPSK	1	1	16.70	16.50	16.55	18.0	0.0
40	QPSK	1	53	16.69	16.71	16.62		
40	QPSK	1	104	16.67	16.70	16.56	18.0	0.0
40	QPSK	50	0	16.45	16.65	16.48		
40	QPSK	50	28	16.62	16.73	16.55	18.0	0.0
40	QPSK	50	56	16.56	16.59	16.52	18.0	0.0
40	QPSK	100	0	16.55	16.68	16.53		
40	16QAM	1	1	16.61	16.65	16.54	18.0	0.0
40	64QAM	1	1	16.69	16.68	16.62	18.0	0.0
40	256QAM	1	1	16.65	16.73	16.62	18.0	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2593.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	16.65	16.72	16.54	18.0	0.0
Channel				518004	519000	521496	Tune-up limit (dBm)	MPR
Frequency (MHz)				2592.02	2595	2607.48	(dBm)	(dB)
25	QPSK	1	1	16.63	16.73	16.57	18.0	0.0
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2590	2595	2610	(dBm)	(dB)
20	QPSK	1	1	16.61	16.68	16.55	18.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR
Frequency (MHz)				2617.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	16.71	16.65	16.61	18.0	0.0
Channel				516004	519000	522996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2573.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	16.63	16.72	16.58	18.0	0.0

FCC_n41_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				500502	518598	520500	24.0	0.0
Frequency (MHz)				2546.01	2552.99	2560		
100	PI2 BPSK	1	1	23.28	23.41	23.30	24.0	0.0
100	PI2 BPSK	1	137	23.28	23.35	23.23		
100	PI2 BPSK	1	271	23.32	23.34	23.26	24.0	0.0
100	PI2 BPSK	135	0	23.25	23.34	23.27		
100	PI2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0
100	PI2 BPSK	135	138	23.27	23.42	23.33	24.0	0.0
100	PI2 BPSK	270	0	23.32	23.40	23.27		
100	QPSK	1	1	23.35	23.45	23.31	24.0	0.0
100	QPSK	1	137	23.29	23.38	23.30		
100	QPSK	1	271	23.19	23.34	23.27	24.0	0.0
100	QPSK	135	0	23.22	23.31	23.24		
100	QPSK	135	69	23.18	23.35	23.27	24.0	0.0
100	QPSK	135	138	23.24	23.36	23.29	24.0	0.0
100	QPSK	270	0	23.40	23.42	23.28		
100	16QAM	1	1	23.30	23.27	23.31	24.0	0.0
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0
100	256QAM	1	1	21.83	21.95	21.87	22.5	1.5
Channel				506000	518598	520596	Tune-up limit (dBm)	MPR
Frequency (MHz)				2547	2552.99	2544.98	(dBm)	(dB)
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0
Channel				507204	518598	520596	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2552.99	2540.99	(dBm)	(dB)
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0
Channel				505502	518598	521000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2552.99	2555	(dBm)	(dB)
70	QPSK	1	1	23.26	23.30	23.18	24.0	0.0
Channel				505000	518598	521096	Tune-up limit (dBm)	MPR
Frequency (MHz)				2524	2552.99	2558.99	(dBm)	(dB)
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0
Channel				504204	518598	520996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2552.99	2564.99	(dBm)	(dB)
50	QPSK	1	1	23.33	23.32	23.19	24.0	0.0
Channel				503202	518598	520400	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2552.99	2570	(dBm)	(dB)
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0
Channel				502500	518598	520596	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2552.99	2574.98	(dBm)	(dB)
30	QPSK	1	1	23.26	23.38	23.21	24.0	0.0
Channel				501702	518598	520500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.01	2552.99	2577.5	(dBm)	(dB)
25	QPSK	1	1	23.15	23.32	23.04	24.0	0.0
Channel				501204	518598	520596	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2552.99	2576.99	(dBm)	(dB)
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0
Channel				501000	518598	520500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2552.99	2582.48	(dBm)	(dB)
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0
Channel				500202	518598	521000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2493.01	2552.99	2585	(dBm)	(dB)
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	51898	53000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	26.17	26.30	26.22			
100	P12 BPSK	1	137	25.89	26.02	25.95	27.0	0.0	
100	P12 BPSK	1	271	25.79	25.90	25.84			
100	P12 BPSK	135	0	25.51	25.62	25.55	26.5	0.5	
100	P12 BPSK	135	69	25.88	26.01	25.95	27.0	0.0	
100	P12 BPSK	135	138	25.18	25.33	25.26	26.5	0.5	
100	P12 BPSK	270	0	25.37	25.52	25.44			
100	QPSK	1	1	25.92	26.02	25.97			
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0	
100	QPSK	1	271	25.82	25.94	25.86			
100	QPSK	135	0	25.07	25.10	25.01	26.0	1.0	
100	QPSK	135	69	25.96	25.98	25.97	27.0	0.0	
100	QPSK	135	138	25.03	25.05	25.08	26.0	1.0	
100	QPSK	270	0	24.95	25.08	25.00	26.0	1.0	
100	16QAM	1	1	25.15	25.25	25.15	26.0	1.0	
100	16QAM	1	1	25.02	25.12	25.02	24.5	2.5	
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5	
Channel				506200	518988	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	25.04	25.15	25.15	27.0	0.0	
Channel				507204	518988	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0	
Channel				508202	518988	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	26.08	26.17	26.10	27.0	0.0	
Channel				509200	518988	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2523.02	2592.99	2664.98			
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0	
Channel				504204	518988	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	26.10	26.20	26.18	27.0	0.0	
Channel				505202	518988	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	26.02	26.25	26.09	27.0	0.0	
Channel				506200	518988	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0	
Channel				501702	518988	535990	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.01	2592.99	2677.5			
25	QPSK	1	1	26.05	26.25	26.25	27.0	0.0	
Channel				501204	518988	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	26.08	26.17	26.16	27.0	0.0	
Channel				507000	518988	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0	
Channel				502002	518988	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2601.01	2602.99	2605			
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	518988	526996			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	21.23	21.32	21.28			
100	P12 BPSK	1	137	21.02	21.28	21.16	22.0	0.0	
100	P12 BPSK	1	271	21.09	21.28	21.14			
100	P12 BPSK	135	0	20.98	21.17	20.99	22.0	0.0	
100	P12 BPSK	135	69	21.12	21.28	21.15	22.0	0.0	
100	P12 BPSK	135	138	21.01	21.14	21.02	22.0	0.0	
100	P12 BPSK	270	0	21.03	21.16	21.04			
100	QPSK	1	1	21.32	21.46	21.38			
100	QPSK	1	137	21.17	21.39	21.29	22.0	0.0	
100	QPSK	1	271	21.20	21.36	21.26			
100	QPSK	135	0	21.13	21.31	21.10	22.0	0.0	
100	QPSK	135	69	21.22	21.37	21.21	22.0	0.0	
100	QPSK	135	138	21.14	21.28	21.12	22.0	0.0	
100	QPSK	270	0	21.09	21.31	21.14	22.0	0.0	
100	16QAM	1	1	21.17	21.34	21.23	22.0	0.0	
100	16QAM	1	1	21.26	21.40	21.24	22.0	0.0	
100	256QAM	1	1	21.23	21.32	21.33	22.0	0.0	
Channel				506200	518988	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	21.10	21.31	21.23	22.0	0.0	
Channel				507204	518988	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.18	21.39	21.32	22.0	0.0	
Channel				508202	518988	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.19	21.32	21.30	22.0	0.0	
Channel				509200	518988	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2523.02	2592.99	2664.98			
60	QPSK	1	1	21.27	21.41	21.30	22.0	0.0	
Channel				504204	518988	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.26	21.34	21.31	22.0	0.0	
Channel				505202	518988	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.18	21.39	21.23	22.0	0.0	
Channel				506200	518988	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.19	21.38	21.23	22.0	0.0	
Channel				501702	518988	535990	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.01	2592.99	2677.5			
25	QPSK	1	1	21.29	21.34	21.22	22.0	0.0	
Channel				501204	518988	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.25	21.36	21.23	22.0	0.0	
Channel				507000	518988	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	21.16	21.34	21.29	22.0	0.0	
Channel				502002	518988	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2601.01	2602.99	2605			
10	QPSK	1	1	21.23	21.41	21.28	22.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505202	518988	526996			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	24.08	24.10	23.98			
100	P12 BPSK	1	137	23.87	23.99	23.89	25.0	0.0	
100	P12 BPSK	1	271	23.94	23.96	23.89			
100	P12 BPSK	135	0	23.75	23.96	23.80	25.0	0.0	
100	P12 BPSK	135	69	23.94	24.07	23.92	25.0	0.0	
100	P12 BPSK	135	138	23.89	23.98	23.80	25.0	0.0	
100	P12 BPSK	270	0	23.85	23.91	23.74			
100	QPSK	1	1	24.14	24.18	24.09			
100	QPSK	1	137	24.03	24.08	23.93	25.0	0.0	
100	QPSK	1	271	24.03	24.10	23.98			
100	QPSK	135	0	23.87	24.02	23.85	25.0	0.0	
100	QPSK	135	69	24.02	24.12	23.98	25.0	0.0	
100	QPSK	135	138	23.96	24.06	23.86	25.0	0.0	
100	QPSK	270	18	23.95	23.98	23.81			
100	16QAM	1	1	24.08	24.12	24.04	25.0	0.0	
100	64QAM	1	1	24.08	24.08	24.04	25.0	0.0	
100	256QAM	1	1	22.07	22.13	22.07	23.0	2.0	
Channel				505202	518988	526996			
Frequency (MHz)				2541	2592.99	2644.08			
90	QPSK	1	1	24.00	24.07	23.97	25.0	0.0	
Channel				507204	518988	535998			
Frequency (MHz)				2551.01	2592.99	2644.08			
80	QPSK	1	1	24.07	24.08	24.03	25.0	0.0	
Channel				506202	518988	531000			
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	23.99	24.10	24.00	25.0	0.0	
Channel				505203	518988	531995			
Frequency (MHz)				2536	2592.99	2669.98			
60	QPSK	1	1	24.05	24.10	24.01	25.0	0.0	
Channel				505203	518988	530998			
Frequency (MHz)				2542.12	2592.99	2644.96			
50	QPSK	1	1	24.00	24.11	24.00	25.0	0.0	
Channel				505202	518988	534000			
Frequency (MHz)				2534.13	2592.99	2670			
40	QPSK	1	1	24.08	24.10	24.03	25.0	0.0	
Channel				505203	518988	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.08	24.13	24.00	25.0	0.0	
Channel				505202	518988	535998			
Frequency (MHz)				2508.12	2592.99	2670.99			
25	QPSK	1	1	23.97	24.16	23.99	25.0	0.0	
Channel				507204	518988	535998			
Frequency (MHz)				2519.12	2592.99	2670.99			
20	QPSK	1	1	23.99	24.09	23.97	25.0	0.0	
Channel				507000	518988	536496			
Frequency (MHz)				2503.4	2592.99	2682.48			
15	QPSK	1	1	24.04	24.04	23.97	25.0	0.0	
Channel				505203	518988	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	24.08	24.06	23.94	25.0	0.0	



FCC_n41_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				500202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P1/2 BPSK	1	1	18.14	18.33	18.13		19.0	0.0	
100	P1/2 BPSK	1	137	18.07	18.27	18.03				
100	P1/2 BPSK	1	271	18.10	18.26	18.07		19.0	0.0	
100	P1/2 BPSK	135	0	18.05	18.20	17.96	19.0			
100	P1/2 BPSK	135	69	18.13	18.32	17.98	19.0	0.0		
100	P1/2 BPSK	135	138	18.00	18.25	17.95		19.0	0.0	
100	P1/2 BPSK	270	0	18.07	18.27	17.91				
100	QPSK	1	1	18.20	18.46	18.22		19.0	0.0	
100	QPSK	1	137	18.16	18.36	18.10				
100	QPSK	1	271	18.15	18.37	18.16		19.0	0.0	
100	QPSK	135	0	18.12	18.32	18.01	19.0			
100	QPSK	135	69	18.10	18.41	18.11	19.0	0.0		
100	QPSK	135	138	18.11	18.32	18.03	19.0	0.0		
100	QPSK	270	0	18.14	18.34	17.98		19.0	0.0	
100	16QAM	1	1	18.21	18.40	18.17	19.0			
100	64QAM	1	1	18.20	18.37	18.15	19.0	0.0		
100	256QAM	1	1	18.15	18.34	18.18	19.0	0.0		
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	18.24	18.35	18.12	19.0	0.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	18.20	18.38	18.17	19.0	0.0		
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	1	18.19	18.34	18.16	19.0	0.0		
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	18.18	18.31	18.13	19.0	0.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	18.22	18.40	18.17	19.0	0.0		
Channel				505202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	18.17	18.36	18.13	19.0	0.0		
Channel				502200	518598	535996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	18.14	18.32	18.18	19.0	0.0		
Channel				501702	518598	535990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.01	2592.99	2679.95	19.0	0.0		
25	QPSK	1	1	18.16	18.32	18.14	19.0	0.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	18.20	18.36	18.16	19.0	0.0		
Channel				503700	518598	536406	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	18.24	18.34	18.18	19.0	0.0		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2493.01	2592.99	2688				
10	QPSK	1	1	18.18	18.38	18.16	19.0	0.0		

FCC_n41(HPUE)_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				500202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P1/2 BPSK	1	1	21.01	21.02	20.86		22.0	0.0	
100	P1/2 BPSK	1	137	20.90	20.99	20.83				
100	P1/2 BPSK	1	271	20.83	20.91	20.82		22.0	0.0	
100	P1/2 BPSK	135	0	20.75	20.81	20.64	22.0			
100	P1/2 BPSK	135	69	20.85	20.94	20.75	22.0	0.0		
100	P1/2 BPSK	135	138	20.70	20.80	20.56		22.0	0.0	
100	P1/2 BPSK	270	0	20.71	20.88	20.56				
100	QPSK	1	1	21.01	21.12	20.97		22.0	0.0	
100	QPSK	1	137	21.02	21.06	20.88				
100	QPSK	1	271	20.97	21.05	20.90		22.0	0.0	
100	QPSK	135	0	20.87	20.95	20.72	22.0			
100	QPSK	135	69	20.96	21.05	20.86	22.0	0.0		
100	QPSK	135	138	20.82	20.90	20.73	22.0	0.0		
100	QPSK	270	0	20.82	20.94	20.71		22.0	0.0	
100	16QAM	1	1	21.01	21.06	20.82	22.0			
100	64QAM	1	1	21.02	21.06	20.90	22.0	0.0		
100	256QAM	1	1	21.02	21.00	20.83	22.0	0.0		
Channel				506200	518598	529598	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	20.98	21.07	20.90	22.0	0.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	20.97	21.05	20.90	22.0	0.0		
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	1	21.00	21.02	20.87	22.0	0.0		
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	21.02	21.05	20.90	22.0	0.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	20.93	21.03	20.84	22.0	0.0		
Channel				505202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	20.94	21.06	20.84	22.0	0.0		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	20.93	20.99	20.86	22.0	0.0		
Channel				501702	518598	535990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.01	2592.99	2679.95	22.0	0.0		
25	QPSK	1	1	20.95	21.04	20.94	22.0	0.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	20.94	20.97	20.82	22.0	0.0		
Channel				503700	518598	536406	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	20.92	21.06	20.82	22.0	0.0		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2493.01	2592.99	2688				
10	QPSK	1	1	20.98	21.07	20.92	22.0	0.0		

FCC_n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	526996			
Frequency (MHz)				2546.01	2592.99	2640			
100	P1/2 BPSK	1	1	18.62	18.81	18.69		18.0	0.0
100	P1/2 BPSK	1	137	18.54	18.77	18.55			
100	P1/2 BPSK	1	271	18.57	18.76	18.69		18.0	0.0
100	P1/2 BPSK	135	0	18.52	18.69	18.52	18.0		
100	P1/2 BPSK	135	69	18.56	18.78	18.64	18.0	0.0	
100	P1/2 BPSK	135	138	18.56	18.68	18.48		18.0	0.0
100	P1/2 BPSK	270	0	18.49	18.68	18.55			
100	QPSK	1	1	18.71	18.95	18.83		18.0	0.0
100	QPSK	1	137	18.58	18.82	18.67			
100	QPSK	1	271	18.65	18.87	18.74		18.0	0.0
100	QPSK	135	0	18.58	18.76	18.64	18.0		
100	QPSK	135	69	18.62	18.85	18.75	18.0	0.0	
100	QPSK	135	138	18.62	18.77	18.62	18.0	0.0	
100	QPSK	270	0	18.55	18.78	18.61		18.0	0.0
100	16QAM	1	1	18.58	18.85	18.67	18.0		
100	64QAM	1	1	18.59	18.85	18.68	18.0	0.0	
100	256QAM	1	1	18.61	18.94	18.74	18.0	0.0	
Channel				500202	518598	526996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.63	18.88	18.66	18.0	18.0	0.0
90	Channel			507204	518598	526998			
90	Channel			507204	2592.99	2644.98		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	18.60	18.84	18.69	18.0	18.0	0.0
80	Channel			506202	518598	531000			
80	Channel			506202	2592.99	2644.98		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.59	18.86	18.74	18.0	18.0	0.0
70	Channel			505200	518598	531000			
70	Channel			505200	2592.99	2659.98		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.57	18.82	18.74	18.0	18.0	0.0
60	Channel			504204	518598	530998			
60	Channel			504204	2592.99	2644.98		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2532.99	2592.99	2644.98			
50	QPSK	1	1	18.58	18.90	18.67	18.0	18.0	0.0
50	Channel			503202	518598	534000			
50	Channel			503202	2592.99	2670		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	18.68	19.08	18.74	18.0	18.0	0.0
40	Channel			502200	518598	534998			
40	Channel			502200	2592.99	2674.98		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.56	18.88	18.73	18.0	18.0	0.0
30	Channel			501202	518598	535000			
30	Channel			501202	2592.99	2670.98		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.91	2592.99	2677.5			
25	QPSK	1	1	18.68	18.88	18.73	18.0	18.0	0.0
25	Channel			501204	518598	535998			
25	Channel			501204	2592.99	2670.98		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504	18.83	18.75	18.0	0.0	
20	QPSK	1	1	18.64	18.83	18.73	18.0	18.0	0.0
20	Channel			500700	518598	536498			
20	Channel			500700	2592.99	2682.48		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2500.51	2592.99	2682.48			
15	QPSK	1	1	18.60	18.91	18.73	18.0	18.0	0.0
15	Channel			500202	518598	537000			
15	Channel			500202	2592.99	2685		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	18.61	18.81	18.71	18.0	18.0	0.0
10	Channel			500202	518598	537000			



FCC_n41(HPUE)_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				500202	518598	536000	21.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	Pl2 BPSK	1	1	19.68	19.93	19.67	21.0	0.0
100	Pl2 BPSK	1	137	19.56	19.95	19.62		
100	Pl2 BPSK	1	271	19.60	19.81	19.56	21.0	0.0
100	Pl2 BPSK	135	0	19.44	19.73	19.51		
100	Pl2 BPSK	135	69	19.57	19.86	19.52	21.0	0.0
100	Pl2 BPSK	135	138	19.47	19.70	19.46		
100	Pl2 BPSK	270	0	19.49	19.79	19.59	21.0	0.0
100	QPSK	1	1	19.70	20.05	19.81		
100	QPSK	1	137	19.61	20.00	19.68	21.0	0.0
100	QPSK	1	271	19.67	19.90	19.75		
100	QPSK	135	0	19.53	19.86	19.58	21.0	0.0
100	QPSK	135	69	19.55	19.94	19.77		
100	QPSK	135	138	19.52	19.84	19.55	21.0	0.0
100	QPSK	270	0	19.54	19.83	19.52		
100	16QAM	1	1	19.66	19.99	19.74	21.0	0.0
100	64QAM	1	1	19.67	19.97	19.68		
100	256QAM	1	1	19.67	19.96	19.73	21.0	0.0
Channel				506200	518598	528600		
Frequency (MHz)				2541	2592.99	2641.98	21.0	MPR (dB)
90	QPSK	1	1	19.65	19.94	19.70		
Channel				507204	518598	529608	21.0	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2648.99		
80	QPSK	1	1	19.66	19.96	19.70	21.0	0.0
Channel				508202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2665	21.0	0.0
70	QPSK	1	1	19.71	19.92	19.74		
Channel				509200	518598	531996	21.0	MPR (dB)
Frequency (MHz)				2488	2592.99	2648.98		
60	QPSK	1	1	19.62	19.93	19.75	21.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2654.98	21.0	0.0
50	QPSK	1	1	19.70	19.94	19.69		
Channel				505202	518598	534000	21.0	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.66	19.95	19.74	21.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	21.0	0.0
30	QPSK	1	1	19.71	19.92	19.75		
Channel				501702	518598	535000	21.0	MPR (dB)
Frequency (MHz)				2503.51	2592.99	2677.5		
25	QPSK	1	1	19.68	20.00	19.70	21.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2678.98	21.0	0.0
20	QPSK	1	1	19.71	20.00	19.74		
Channel				500700	518598	536000	21.0	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.70	19.94	19.74	21.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.91	2592.99	2685	21.0	0.0
10	QPSK	1	1	19.70	19.94	19.67		



n48_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				63600	64166.6	64533.2			
40	PQ2 BPSK	1	1	15.64	15.67	15.57			
40	PQ2 BPSK	1	53	15.55	15.59	15.50	16.5	0.0	
40	PQ2 BPSK	1	104	15.50	15.59	15.49			
40	PQ2 BPSK	50	0	15.43	15.49	15.39	16.5	0.0	
40	PQ2 BPSK	50	26	15.44	15.50	15.45	16.5	0.0	
40	PQ2 BPSK	50	50	15.32	15.47	15.32	16.5	0.0	
40	PQ2 BPSK	100	0	15.45	15.54	15.42			
40	QPSK	1	1	15.69	15.62	15.72			
40	QPSK	1	53	15.62	15.67	15.58	16.5	0.0	
40	QPSK	1	104	15.55	15.74	15.64			
40	QPSK	50	0	15.51	15.62	15.47	16.5	0.0	
40	QPSK	50	26	15.45	15.59	15.47	16.5	0.0	
40	QPSK	50	50	15.45	15.59	15.47	16.5	0.0	
40	QPSK	100	0	15.51	15.64	15.54			
40	16QAM	1	1	15.57	15.67	15.57	16.5	0.0	
40	64QAM	1	1	15.55	15.69	15.64	16.5	0.0	
40	256QAM	1	1	15.55	15.72	15.61	16.5	0.0	
Channel				63600	64166.6	64533.2			
Frequency (MHz)				3665.02	3624.99	3664.99			
30	QPSK	1	1	15.61	15.71	15.61	16.5	0.0	
Channel				6360.01	64166.6	64533.2			
Frequency (MHz)				3660.01	3624.99	3660			
20	QPSK	1	1	15.59	15.76	15.62	16.5	0.0	
Channel				6369.97	64166.6	64533.2			
Frequency (MHz)				3657.52	3624.99	3662.49			
15	QPSK	1	1	15.57	15.69	15.61	16.5	0.0	
Channel				63700.0	64166.6	64533.2			
Frequency (MHz)				3655	3624.99	3664.98			
10	QPSK	1	1	15.60	15.72	15.66	16.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3660	3624.99	3664.98			
40	PQ2 BPSK	1	1	14.10	14.23	14.05			
40	PQ2 BPSK	1	53	14.07	14.09	13.89	15.0	0.0	
40	PQ2 BPSK	1	104	13.99	14.12	13.85			
40	PQ2 BPSK	50	0	13.88	14.08	13.75	15.0	0.0	
40	PQ2 BPSK	50	26	14.00	14.08	13.92	15.0	0.0	
40	PQ2 BPSK	50	50	13.85	13.98	13.81	15.0	0.0	
40	PQ2 BPSK	100	0	14.00	14.00	13.79			
40	QPSK	1	1	14.23	14.30	14.09			
40	QPSK	1	53	14.16	14.20	14.06	15.0	0.0	
40	QPSK	1	104	14.11	14.25	13.94			
40	QPSK	50	0	13.99	14.14	13.85	15.0	0.0	
40	QPSK	50	26	14.12	14.19	13.97	15.0	0.0	
40	QPSK	50	50	13.99	14.09	13.88	15.0	0.0	
40	QPSK	100	0	14.07	14.12	13.86			
40	16QAM	1	1	14.06	14.20	13.96	15.0	0.0	
40	64QAM	1	1	14.11	14.25	13.98	15.0	0.0	
40	256QAM	1	1	14.10	14.24	14.01	15.0	0.0	
Channel				63700.0	64166.6	64533.2			
Frequency (MHz)				3665.02	3624.99	3664.99			
30	QPSK	1	1	14.13	14.18	13.96	15.0	0.0	
Channel				63720.0	64166.6	64533.2			
Frequency (MHz)				3660.01	3624.99	3660			
20	QPSK	1	1	14.10	14.18	14.01	15.0	0.0	
Channel				63740.0	64166.6	64533.2			
Frequency (MHz)				3657.52	3624.99	3662.49			
15	QPSK	1	1	14.08	14.23	13.95	15.0	0.0	
Channel				63760.0	64166.6	64533.2			
Frequency (MHz)				3655	3624.99	3664.98			
10	QPSK	1	1	14.15	14.15	13.99	15.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3660	3624.99	3664.98			
40	PQ2 BPSK	1	1	13.01	13.01	12.99			
40	PQ2 BPSK	1	53	12.99	12.92	12.89	14.0	0.0	
40	PQ2 BPSK	1	104	12.98	13.00	12.87			
40	PQ2 BPSK	50	0	12.85	12.89	12.84	14.0	0.0	
40	PQ2 BPSK	50	26	12.98	13.01	12.89	14.0	0.0	
40	PQ2 BPSK	50	50	12.86	12.92	12.84	14.0	0.0	
40	PQ2 BPSK	100	0	12.77	12.91	12.77			
40	QPSK	1	1	13.01	13.16	13.07			
40	QPSK	1	53	13.01	13.05	13.01	14.0	0.0	
40	QPSK	1	104	13.05	13.08	13.02			
40	QPSK	50	0	12.94	12.97	12.94	14.0	0.0	
40	QPSK	50	26	12.98	13.01	12.95	14.0	0.0	
40	QPSK	50	50	12.98	12.97	12.89	14.0	0.0	
40	QPSK	100	0	12.89	13.01	12.85			
40	16QAM	1	1	13.02	13.06	12.99	14.0	0.0	
40	64QAM	1	1	13.06	13.02	13.02	14.0	0.0	
40	256QAM	1	1	13.01	13.07	12.93	14.0	0.0	
Channel				63700.0	64166.6	64533.2			
Frequency (MHz)				3665.02	3624.99	3664.99			
30	QPSK	1	1	13.04	13.07	12.96	14.0	0.0	
Channel				63720.0	64166.6	64533.2			
Frequency (MHz)				3660.01	3624.99	3660			
20	QPSK	1	1	13.05	13.07	13.02	14.0	0.0	
Channel				63740.0	64166.6	64533.2			
Frequency (MHz)				3657.52	3624.99	3662.49			
15	QPSK	1	1	13.08	13.08	12.97	14.0	0.0	
Channel				63760.0	64166.6	64533.2			
Frequency (MHz)				3655	3624.99	3664.98			
10	QPSK	1	1	13.02	13.08	13.02	14.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel							
Frequency (MHz)							
40	PB2 BPSK	1	1	17.24	17.25	17.25	18.0
40	PB2 BPSK	1	53	17.19	17.21	17.27	18.0
40	PB2 BPSK	1	104	17.19	17.21	17.19	18.0
40	PB2 BPSK	50	5	17.11	17.50	17.84	18.0
40	PB2 BPSK	50	26	17.15	17.21	17.06	18.0
40	PB2 BPSK	50	56	17.16	17.03	16.98	18.0
40	PB2 BPSK	100	5	17.10	17.51	17.51	18.0
40	QPSK	1	1	17.25	17.30	17.26	18.0
40	QPSK	1	53	17.28	17.34	17.17	18.0
40	QPSK	1	104	17.29	17.33	17.20	18.0
40	QPSK	50	5	17.20	17.14	17.13	18.0
40	QPSK	50	26	17.25	17.25	17.25	18.0
40	QPSK	50	56	17.21	17.14	17.09	18.0
40	QPSK	100	5	17.20	17.22	17.28	18.0
40	8QAM	1	1	17.23	17.24	17.15	18.0
40	8QAM	1	1	17.26	17.24	17.20	18.0
40	256QAM	1	1	17.27	17.33	17.15	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	17.20	17.29	17.21	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	17.29	17.24	17.17	18.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	17.23	17.28	17.14	18.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	17.26	17.24	17.21	18.0

Part27Q_n77_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel							
Frequency (MHz)							
100	PB2 BPSK	1	1	15.78	15.78	15.78	16.5
100	PB2 BPSK	1	137	15.87	15.87	15.87	16.5
100	PB2 BPSK	1	271	15.71	15.71	15.71	16.5
100	PB2 BPSK	135	0	15.86	15.86	15.86	16.5
100	PB2 BPSK	135	69	15.80	15.80	15.80	16.5
100	PB2 BPSK	135	138	15.59	15.59	15.59	16.5
100	PB2 BPSK	270	0	15.71	15.71	15.71	16.5
100	QPSK	1	1	15.92	15.92	15.92	16.5
100	QPSK	1	137	15.82	15.82	15.82	16.5
100	QPSK	1	271	15.78	15.78	15.78	16.5
100	QPSK	135	0	15.75	15.75	15.75	16.5
100	QPSK	135	69	15.55	15.55	15.55	16.5
100	QPSK	135	138	15.70	15.70	15.70	16.5
100	QPSK	270	0	15.73	15.73	15.73	16.5
100	16QAM	1	1	15.83	15.83	15.83	16.5
100	64QAM	1	1	15.78	15.78	15.78	16.5
100	256QAM	1	1	15.92	15.92	15.92	16.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	15.91	15.85	15.89	16.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.88	15.84	15.84	16.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	15.91	15.86	15.89	16.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	15.88	15.84	15.84	16.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.80	15.77	15.82	16.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.89	15.82	15.85	16.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.84	15.77	15.82	16.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	15.84	15.80	15.84	16.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.86	15.78	15.81	16.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	15.87	15.81	15.83	16.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	15.90	15.87	15.87	16.5

Part27Q_n77(HPUE)_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel							
Frequency (MHz)							
100	PB2 BPSK	1	1	18.57	18.57	18.57	19.5
100	PB2 BPSK	1	137	18.43	18.43	18.43	19.5
100	PB2 BPSK	1	271	18.45	18.45	18.45	19.5
100	PB2 BPSK	135	0	18.40	18.40	18.40	19.5
100	PB2 BPSK	135	69	18.59	18.59	18.59	19.5
100	PB2 BPSK	135	138	18.36	18.36	18.36	19.5
100	PB2 BPSK	270	0	18.48	18.48	18.48	19.5
100	QPSK	1	1	18.50	18.50	18.50	19.5
100	QPSK	1	137	18.57	18.57	18.57	19.5
100	QPSK	1	271	18.54	18.54	18.54	19.5
100	QPSK	135	0	18.52	18.52	18.52	19.5
100	QPSK	135	69	18.59	18.59	18.59	19.5
100	QPSK	135	138	18.48	18.48	18.48	19.5
100	QPSK	270	0	18.51	18.51	18.51	19.5
100	16QAM	1	1	18.51	18.51	18.51	19.5
100	64QAM	1	1	18.53	18.53	18.53	19.5
100	256QAM	1	1	18.58	18.58	18.58	19.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	18.57	18.55	18.53	19.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.57	18.53	18.50	19.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	18.55	18.50	18.49	19.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	18.54	18.50	18.48	19.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.58	18.51	18.49	19.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	18.58	18.53	18.53	19.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.59	18.40	18.50	19.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	18.54	18.42	18.50	19.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.59	18.53	18.50	19.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.51	18.49	18.50	19.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.59	18.56	18.55	19.5

Part270_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3750	3540	3530			
Frequency (MHz)									
100	PQ2 BPSK	1	1	15.76	15.89	15.70	15.75		
100	PQ2 BPSK	1	137	15.87	15.80	15.69	15.5	0.0	
100	PQ2 BPSK	1	271	15.69	15.80	15.65			
100	PQ2 BPSK	135	0	15.56	15.80	15.50	15.5	0.0	
100	PQ2 BPSK	135	69	15.72	15.81	15.69	15.5	0.0	
100	PQ2 BPSK	135	138	15.53	15.72	15.58	15.5	0.0	
100	PQ2 BPSK	270	0	15.61	15.71	15.63			
100	QPSK	1	1	15.52	15.59	15.50			
100	QPSK	1	137	15.72	15.88	15.76	15.5	0.0	
100	QPSK	1	271	15.72	15.30	15.77	15.5	0.0	
100	QPSK	135	0	15.68	15.75	15.69	15.5	0.0	
100	QPSK	135	69	15.72	15.36	15.74	15.5	0.0	
100	QPSK	135	138	15.67	15.79	15.65	15.5	0.0	
100	QPSK	270	0	15.65	15.65	15.68			
100	16QAM	1	1	15.75	15.83	15.79	15.5	0.0	
100	64QAM	1	1	15.75	15.78	15.71	15.5	0.0	
100	256QAM	1	1	15.74	15.32	15.70	15.5	0.0	
Channel				3649.98	3649.98	3623.32	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	15.79	15.36	15.78	15.5	0.0	
Channel				3649.94	3649.94	3626.98	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	15.72	15.34	15.73	15.5	0.0	
Channel				3649.90	3649.90	3630.00	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	15.72	15.32	15.76	15.5	0.0	
Channel				3649.88	3649.88	3633.32	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	15.75	15.30	15.80	15.5	0.0	
Channel				3649.84	3649.84	3636.98	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	15.80	15.30	15.77	15.5	0.0	
Channel				3649.80	3649.80	3640.00	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	15.77	15.87	15.73	15.5	0.0	
Channel				3649.68	3649.68	3643.32	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	15.73	15.88	15.76	15.5	0.0	
Channel				3649.50	3649.50	3645.00	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	15.75	15.30	15.71	15.5	0.0	
Channel				3649.44	3649.44	3646.98	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	15.73	15.88	15.80	15.5	0.0	
Channel				3649.32	3649.32	3648.32	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	15.74	15.83	15.72	15.5	0.0	
Channel				3649.20	3649.20	3650.00	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	15.76	15.65	15.75	15.5	0.0	

Part270_n77(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PQ2 BPSK	1	1	15.75	15.70	15.67			
100	PQ2 BPSK	1	137	15.68	15.69	15.53	19.5	0.0	
100	PQ2 BPSK	1	271	15.61	15.71	15.55			
100	PQ2 BPSK	135	0	15.44	15.52	15.51	15.5	0.0	
100	PQ2 BPSK	135	69	15.55	15.61	15.52	15.5	0.0	
100	PQ2 BPSK	135	138	15.50	15.47	15.46	15.5	0.0	
100	PQ2 BPSK	270	0	15.48	15.59	15.55			
100	QPSK	1	1	15.50	15.50	15.75			
100	QPSK	1	137	15.74	15.74	15.67			
100	QPSK	1	271	15.75	15.77	15.61	19.5	0.0	
100	QPSK	135	0	15.57	15.62	15.59	19.5	0.0	
100	QPSK	135	69	15.57	15.57	15.54	19.5	0.0	
100	QPSK	135	138	15.62	15.58	15.52	19.5	0.0	
100	QPSK	270	0	15.61	15.54	15.49	19.5	0.0	
100	8QAM	1	1	15.55	15.74	15.54	19.5	0.0	
100	8QAM	1	1	15.70	15.69	15.63	19.5	0.0	
100	256QAM	1	1	15.66	15.69	15.60	19.5	0.0	
Channel				369968	369968	369232	Turn-up test	MPR	
Frequency (MHz)				369968	3840	3834.98			
90	QPSK	1	1	15.67	15.69	15.69	19.5	0.0	
Channel				369334	369334	369268	Turn-up test	MPR	
Frequency (MHz)				369334	3840	3839.99			
80	QPSK	1	1	15.71	15.73	15.61	19.5	0.0	
Channel				368800	368800	369000	Turn-up test	MPR	
Frequency (MHz)				368800	3840	3845			
70	QPSK	1	1	15.66	15.75	15.65	19.5	0.0	
Channel				369668	369668	369332	Turn-up test	MPR	
Frequency (MHz)				369668	3840	3840.98			
60	QPSK	1	1	15.66	15.69	15.60	19.5	0.0	
Channel				368334	368334	369368	Turn-up test	MPR	
Frequency (MHz)				368334	3840	3854.99			
50	QPSK	1	1	15.73	15.71	15.70	19.5	0.0	
Channel				368000	368000	369400	Turn-up test	MPR	
Frequency (MHz)				368000	3840	3860			
40	QPSK	1	1	15.65	15.70	15.63	19.5	0.0	
Channel				367668	367668	368332	Turn-up test	MPR	
Frequency (MHz)				367668	3840	3854.98			
30	QPSK	1	1	15.73	15.66	15.62	19.5	0.0	
Channel				367500	367500	368500	Turn-up test	MPR	
Frequency (MHz)				367500	3840	3867.5			
25	QPSK	1	1	15.72	15.72	15.64	19.5	0.0	
Channel				367334	367334	368668	Turn-up test	MPR	
Frequency (MHz)				367334	3840	3869.98			
20	QPSK	1	1	15.73	15.70	15.62	19.5	0.0	
Channel				367168	367168	368432	Turn-up test	MPR	
Frequency (MHz)				367168	3840	3872.48			
15	QPSK	1	1	15.71	15.69	15.64	19.5	0.0	
Channel				367000	367000	368000	Turn-up test	MPR	
Frequency (MHz)				367000	3840	3875			
10	QPSK	1	1	15.65	15.76	15.61	19.5	0.0	

Part27Q_n77_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR (dB)
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	14.72	14.80	14.70	0.0
100	PQ2 BPSK	1	137	14.70	14.78	14.72	15.5
100	PQ2 BPSK	1	271	14.62	14.70	14.62	0.0
100	PQ2 BPSK	135	0	14.57	14.65	14.48	15.5
100	PQ2 BPSK	135	69	14.56	14.64	14.48	15.5
100	PQ2 BPSK	135	138	14.52	14.60	14.47	15.5
100	PQ2 BPSK	270	0	14.50	14.58	14.48	0.0
100	QPSK	1	1	14.82	14.90	14.74	0.0
100	QPSK	1	137	14.80	14.88	14.74	15.5
100	QPSK	1	271	14.74	14.82	14.68	0.0
100	QPSK	135	0	14.63	14.71	14.55	0.0
100	QPSK	135	69	14.70	14.78	14.62	0.0
100	QPSK	135	138	14.67	14.75	14.57	0.0
100	QPSK	270	0	14.50	14.58	14.42	0.0
100	16QAM	1	1	14.72	14.80	14.64	0.0
100	64QAM	1	1	14.75	14.83	14.65	0.0
100	256QAM	1	1	14.75	14.83	14.65	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	14.62	14.74	14.76	15.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	14.61	14.74	14.75	15.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	14.69	14.74	14.80	15.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	14.83	14.77	14.80	15.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	14.70	14.78	14.80	15.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	14.67	14.76	14.74	15.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	14.65	14.70	14.75	15.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	14.65	14.80	14.76	15.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	14.63	14.80	14.75	15.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	14.84	14.71	14.75	15.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	14.62	14.70	14.75	15.5

Part27Q_n77(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR (dB)
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	17.62	17.68	17.51	0.0
100	PQ2 BPSK	1	137	17.61	17.67	17.51	18.5
100	PQ2 BPSK	1	271	17.56	17.62	17.51	0.0
100	PQ2 BPSK	135	0	17.58	17.64	17.51	18.5
100	PQ2 BPSK	135	69	17.51	17.57	17.51	18.5
100	PQ2 BPSK	135	138	17.46	17.52	17.51	18.5
100	PQ2 BPSK	270	0	17.51	17.57	17.51	0.0
100	QPSK	1	1	17.77	17.84	17.67	0.0
100	QPSK	1	137	17.77	17.84	17.67	18.5
100	QPSK	1	271	17.67	17.73	17.67	0.0
100	QPSK	135	0	17.47	17.53	17.47	0.0
100	QPSK	135	69	17.62	17.68	17.51	0.0
100	QPSK	135	138	17.51	17.57	17.51	0.0
100	QPSK	270	0	17.57	17.63	17.51	0.0
100	16QAM	1	1	17.71	17.77	17.51	0.0
100	64QAM	1	1	17.75	17.81	17.51	0.0
100	256QAM	1	1	17.62	17.68	17.51	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	17.49	17.72	17.57	18.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.55	17.70	17.56	18.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	17.50	17.68	17.58	18.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	17.56	17.68	17.55	18.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	17.56	17.65	17.62	18.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	17.55	17.67	17.60	18.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	17.53	17.72	17.55	18.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	17.48	17.69	17.54	18.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	17.48	17.64	17.63	18.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	17.51	17.72	17.60	18.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	17.53	17.65	17.59	18.5

Part27Q_n77_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR (dB)
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	14.70	14.70	14.70	0.0
100	PQ2 BPSK	1	137	14.65	14.70	14.62	15.5
100	PQ2 BPSK	1	271	14.70	14.78	14.52	0.0
100	PQ2 BPSK	135	0	14.57	14.58	14.48	15.5
100	PQ2 BPSK	135	69	14.68	14.65	14.58	15.5
100	PQ2 BPSK	135	138	14.56	14.58	14.47	15.5
100	PQ2 BPSK	270	0	14.55	14.61	14.48	0.0
100	QPSK	1	1	14.67	14.65	14.62	0.0
100	QPSK	1	137	14.70	14.78	14.75	15.5
100	QPSK	1	271	14.75	14.85	14.65	0.0
100	QPSK	135	0	14.68	14.66	14.62	15.5
100	QPSK	135	69	14.75	14.76	14.65	0.0
100	QPSK	135	138	14.68	14.70	14.57	15.5
100	QPSK	270	0	14.61	14.71	14.61	0.0
100	16QAM	1	1	14.72	14.76	14.74	0.0
100	64QAM	1	1	14.80	14.82	14.75	0.0
100	256QAM	1	1	14.81	14.81	14.70	15.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	14.6968	14.6900	14.6232	Tune-up (dB)
Channel							
Frequency (MHz)							
80	QPSK	1	1	14.77	14.77	14.73	15.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	14.6334	14.6500	14.6066	Tune-up (dB)
Channel							
Frequency (MHz)							
60	QPSK	1	1	14.77	14.80	14.74	15.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	14.6900	14.6800	14.6000	Tune-up (dB)
Channel							
Frequency (MHz)							
40	QPSK	1	1	14.75	14.84	14.70	15.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	14.6968	14.6900	14.6332	Tune-up (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	14.75	14.76	14.65	15.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	14.6334	14.6500	14.6066	Tune-up (dB)
Channel							
Frequency (MHz)							
10	QPSK	1	1	14.81	14.77	14.73	15.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	14.77	14.84	14.71	15.5
Channel							
Frequency (MHz)							
0	QPSK	1	1	14.75	14.83	14.69	15.5
Channel							
Frequency (MHz)							
-5	QPSK	1	1	14.72	14.79	14.74	15.5
Channel							
Frequency (MHz)							
-10	QPSK	1	1	14.74	14.80	14.68	15.5
Channel							
Frequency (MHz)							
-15	QPSK	1	1	14.79	14.78	14.69	15.5
Channel							
Frequency (MHz)							
-20	QPSK	1	1	14.81	14.76	14.65	15.5
Channel							
Frequency (MHz)							
-25	QPSK	1	1	14.81	14.76	14.73	15.5

Part27O_n77(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	660000	660000			
Frequency (MHz)				3730	3640	3640			
100	FQ BPSK	1	1	17.38	17.53	17.47			
100	FQ BPSK	1	137	17.24	17.49	17.36	18.5	0.0	
100	FQ BPSK	1	271	17.28	17.46	17.34			
100	FQ BPSK	135	0	17.20	17.52	17.31	18.5	0.0	
100	FQ BPSK	135	69	17.31	17.38	17.31	18.5	0.0	
100	FQ BPSK	135	135	17.20	17.33	17.25	18.5	0.0	
100	FQ BPSK	270	0	17.18	17.58	17.25			
100	QPSK	1	1	17.53	17.63	17.58			
100	QPSK	1	137	17.39	17.58	17.56	18.5	0.0	
100	QPSK	1	271	17.41	17.58	17.43			
100	QPSK	135	0	17.33	17.45	17.29	18.5	0.0	
100	QPSK	135	69	17.28	17.52	17.43	18.5	0.0	
100	QPSK	135	135	17.33	17.41	17.38	18.5	0.0	
100	QPSK	270	0	17.32	17.59	17.33			
100	BQAM	1	1	17.46	17.58	17.52	18.5	0.0	
100	BQAM	1	1	17.47	17.50	17.50	18.5	0.0	
100	SSBQAM	1	1	17.38	17.57	17.50	18.5	0.0	
Channel				674000	670000	670000			
Frequency (MHz)				3745.02	3640	3634.38			
90	QPSK	1	1	17.45	17.51	17.44	18.5	0.0	
Channel				674350	670000	670000			
Frequency (MHz)				3740.01	3640	3639.39			
80	QPSK	1	1	17.44	17.52	17.51	18.5	0.0	
Channel				674000	670000	670000			
Frequency (MHz)				3735	3640	3640			
70	QPSK	1	1	17.47	17.57	17.52	18.5	0.0	
Channel				674000	670000	670000			
Frequency (MHz)				3730.02	3640	3640.38			
60	QPSK	1	1	17.44	17.54	17.48	18.5	0.0	
Channel				674318	670000	670000			
Frequency (MHz)				3725.01	3640	3654.39			
50	QPSK	1	1	17.41	17.52	17.53	18.5	0.0	
Channel				674000	670000	670000			
Frequency (MHz)				3720	3640	3660			
40	QPSK	1	1	17.42	17.55	17.51	18.5	0.0	
Channel				674000	670000	674332			
Frequency (MHz)				3715.02	3640	3664.38			
30	QPSK	1	1	17.48	17.58	17.48	18.5	0.0	
Channel				674300	670000	674000			
Frequency (MHz)				3712.5	3640	3667.5			
25	QPSK	1	1	17.39	17.58	17.40	18.5	0.0	
Channel				647334	660000	646900			
Frequency (MHz)				3710.51	3640	3668.50			
20	QPSK	1	1	17.39	17.55	17.47	18.5	0.0	
Channel				647168	660000	646930			
Frequency (MHz)				3707.52	3640	3672.40			
15	QPSK	1	1	17.48	17.52	17.51	18.5	0.0	
Channel				647000	660000	646900			
Frequency (MHz)				3705	3640	3670			
10	QPSK	1	1	17.48	17.46	17.46	18.5	0.0	

Part27Q_n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power MidB Ch. / Freq.	Power High Ch. / Freq.	Tune-up Intvl (dBm)	MPR (dB)
Channel				63332	63332	63332		
Frequency (MHz)				3499.98	3499.98	3499.98		
100	PI2 BPSK	1	1	12.46	12.46	12.46		
100	PI2 BPSK	1	137	12.39	12.39	12.39	13.5	0.0
100	PI2 BPSK	1	271	12.38	12.38	12.38		
100	PI2 BPSK	135	0	12.38	12.38	12.38	13.5	0.0
100	PI2 BPSK	135	69	12.26	12.26	12.26	13.5	0.0
100	PI2 BPSK	135	138	12.16	12.16	12.16	13.5	0.0
100	PI2 BPSK	270	0	12.20	12.20	12.20		
100	QPSK	1	1	12.03	12.03	12.03		
100	QPSK	1	137	12.38	12.38	12.38	13.5	0.0
100	QPSK	1	271	12.39	12.39	12.39		
100	QPSK	135	0	12.33	12.33	12.33	13.5	0.0
100	QPSK	135	69	12.29	12.29	12.29	13.5	0.0
100	QPSK	135	138	12.25	12.25	12.25	13.5	0.0
100	QPSK	270	0	12.23	12.23	12.23		
100	BQAM	1	1	12.45	12.45	12.45	13.5	0.0
100	BQAM	1	1	12.45	12.45	12.45	13.5	0.0
100	256QAM	1	1	12.38	12.38	12.38	13.5	0.0
Channel				63300	63300	63300		
Frequency (MHz)				3495	3499.98	3504.98		
90	QPSK	1	1	12.24	12.46	12.29	13.5	0.0
Channel				62988	63312	63632		
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	12.20	12.47	12.25	13.5	0.0
Channel				62892	63312	63632		
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	12.22	12.40	12.35	13.5	0.0
Channel				62800	63312	63632		
Frequency (MHz)				3480	3499.98	3519.98		
60	QPSK	1	1	12.29	12.46	12.25	13.5	0.0
Channel				62708	63312	63632		
Frequency (MHz)				3475.02	3499.98	3520		
50	QPSK	1	1	12.22	12.42	12.31	13.5	0.0
Channel				62616	63312	63632		
Frequency (MHz)				3470.01	3499.98	3520.98		
40	QPSK	1	1	12.27	12.46	12.25	13.5	0.0
Channel				62520	63312	63632		
Frequency (MHz)				3465	3499.98	3534.98		
30	QPSK	1	1	12.29	12.44	12.30	13.5	0.0
Channel				62424	63312	63632		
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	12.24	12.43	12.30	13.5	0.0
Channel				62368	63312	63632		
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	12.25	12.46	12.30	13.5	0.0
Channel				62300	63312	63632		
Frequency (MHz)				3457.5	3499.98	3542.40		
15	QPSK	1	1	12.29	12.41	12.29	13.5	0.0
Channel				62234	63312	63632		
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	12.28	12.46	12.31	13.5	0.0

Par27Q_n77(HPUe)_Ant 6								
RF (MHz)	Modulation	RB Size	RB Offset	Power Main (dBm)	Power Aux (dBm)	Power Hsp (dBm)	APR (dB)	
Channel								
Frequency (MHz)				63500	63332	63668	NPR	
100	P2 BPSK	1	1	15.48	15.32	15.5	0.0	
100	P2 BPSK	1	137	15.48	15.32	15.5	0.0	
100	P2 BPSK	1	271	15.44	15.44	15.5	0.0	
100	P2 BPSK	156	0	15.44	15.44	15.5	0.0	
100	P2 BPSK	156	86	15.44	15.44	15.5	0.0	
100	P2 BPSK	156	156	15.44	15.44	15.5	0.0	
100	P2 BPSK	270	0	15.36	15.36	15.5	0.0	
100	QPSK	1	1	15.61	15.61	15.5	0.0	
100	QPSK	1	137	15.67	15.67	15.5	0.0	
100	QPSK	1	271	15.44	15.44	15.5	0.0	
100	QPSK	156	0	15.44	15.44	15.5	0.0	
100	QPSK	156	86	15.44	15.44	15.5	0.0	
100	QPSK	156	156	15.44	15.44	15.5	0.0	
100	QPSK	270	0	15.44	15.44	15.5	0.0	
100	16QAM	1	1	15.46	15.46	15.5	0.0	
100	16QAM	1	137	15.46	15.46	15.5	0.0	
100	256QAM	1	1	15.47	15.47	15.5	0.0	
Channel								
Frequency (MHz)				63500	63332	63668	NPR	
90	QPSK	1	1	15.48	15.32	15.5	0.0	
90	QPSK	1	137	15.48	15.32	15.5	0.0	
Channel				63500	63332	63668	NPR	
Frequency (MHz)				340.002	340.002	340.000	NPR	
80	QPSK	1	1	15.39	15.49	15.40	15.5	0.0
80	QPSK	1	137	15.39	15.49	15.40	15.5	0.0
80	QPSK	1	271	63.534	63.532	63.530	NPR	
80	QPSK	156	0	63.534	63.532	63.530	NPR	
80	QPSK	156	86	63.534	63.532	63.530	NPR	
80	QPSK	156	156	63.534	63.532	63.530	NPR	
80	QPSK	270	0	63.534	63.532	63.530	NPR	
Channel								
Frequency (MHz)				63500	63332	63668	NPR	
60	QPSK	1	1	15.48	15.34	15.38	15.5	0.0
60	QPSK	1	137	15.468	15.332	15.500	NPR	
60	QPSK	1	271	34.002	34.000	34.000	NPR	
60	QPSK	156	0	15.48	15.31	15.38	15.5	0.0
60	QPSK	156	86	15.48	15.31	15.38	15.5	0.0
60	QPSK	156	156	15.48	15.31	15.38	15.5	0.0
60	QPSK	270	0	15.48	15.31	15.38	15.5	0.0
60	QPSK	1	1	63.534	63.532	63.530	NPR	
60	QPSK	156	0	63.534	63.532	63.530	NPR	
60	QPSK	156	86	63.534	63.532	63.530	NPR	
60	QPSK	156	156	63.534	63.532	63.530	NPR	
60	QPSK	270	0	63.534	63.532	63.530	NPR	
30	QPSK	1	1	15.48	15.47	15.47	15.5	0.0
30	QPSK	1	137	63.534	63.532	63.530	NPR	
30	QPSK	1	271	34.011	34.010	34.010	NPR	
30	QPSK	156	0	15.48	15.48	15.47	15.5	0.0
30	QPSK	156	86	15.48	15.48	15.47	15.5	0.0
30	QPSK	156	156	15.48	15.48	15.47	15.5	0.0
30	QPSK	270	0	15.48	15.48	15.47	15.5	0.0
30	QPSK	1	1	63.534	63.532	63.530	NPR	
30	QPSK	156	0	63.534	63.532	63.530	NPR	
30	QPSK	156	86	63.534	63.532	63.530	NPR	
30	QPSK	156	156	63.534	63.532	63.530	NPR	
30	QPSK	270	0	63.534	63.532	63.530	NPR	
15	QPSK	1	1	15.48	15.52	15.5	0.0	
15	QPSK	1	137	15.44	15.52	15.5	0.0	
15	QPSK	1	271	63.534	63.532	63.530	NPR	
15	QPSK	156	0	63.534	63.532	63.530	NPR	
15	QPSK	156	86	63.534	63.532	63.530	NPR	
15	QPSK	156	156	63.534	63.532	63.530	NPR	
15	QPSK	270	0	63.534	63.532	63.530	NPR	
10	QPSK	1	1	15.44	15.52	15.5	0.0	

Part270_n77_Ant 6									
RF [MHz]	Modulation	RF Size	RF Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Time-use [min]	MPR [dB]
Channel				Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.		
Channel				656000	36400	36400	36400		
Frequency [MHz]									
100	P12 BPSK	1	1	12.89	12.88	12.88	12.88		
100	P12 BPSK	1	131	12.88	12.88	12.88	12.88	13.5	0.0
100	P12 BPSK	1	271	12.56	12.56	12.57	12.57		
100	P12 BPSK	156	0	12.36	12.47	12.47	12.47		
100	P12 BPSK	155	86	12.46	12.54	12.54	12.54	13.5	0.0
100	P12 BPSK	155	158	12.41	12.50	12.51	12.51		
100	P12 BPSK	270	0	12.35	12.50	12.51	12.51		
100	QPSK	1	1	12.89	12.88	12.88	12.88		
100	QPSK	1	137	12.80	12.88	12.88	12.88	13.5	0.0
100	QPSK	1	271	12.47	12.72	12.71	12.71		
100	QPSK	155	5	12.46	12.51	12.51	12.51	13.5	0.0
100	QPSK	156	86	12.00	12.68	12.68	12.68	13.5	0.0
100	QPSK	156	158	12.55	12.66	12.66	12.66	13.5	0.0
100	QPSK	270	5	12.54	12.67	12.67	12.67	13.5	0.0
100	HQPSK	1	1	12.83	12.71	12.70	12.70	13.5	0.0
100	BQPSK	1	1	12.85	12.71	12.70	12.70	13.5	0.0
100	SubCarrier	1	1	12.84	12.70	12.69	12.69	13.5	0.0
Channel				666666	666666	666300	Time-use	MPR	
90	QPSK	1	1	12.40	12.59	12.59	12.59	13.5	0.0
Channel				666666	666666	666666	Time-use	MPR	
80	QPSK	1	1	12.43	12.53	12.53	12.53	13.5	0.0
Channel				666666	666666	666300	Time-use	MPR	
70	QPSK	1	1	12.47	12.54	12.53	12.53	13.5	0.0
Channel				666666	666666	666300	Time-use	MPR	
60	QPSK	1	1	12.48	12.70	12.70	12.70	13.5	0.0
Channel				666334	666666	666666	Time-use	MPR	
50	QPSK	1	1	12.51	12.73	12.73	12.73	13.5	0.0
Channel				666334	666666	666666	Time-use	MPR	
40	QPSK	1	1	12.50	12.68	12.68	12.68	13.5	0.0
Channel				666666	666666	666400	Time-use	MPR	
30	QPSK	1	1	12.40	12.58	12.58	12.58	13.5	0.0
Channel				667668	666666	666432	Time-use	MPR	
20	QPSK	1	1	12.70	12.55	12.55	12.55	13.5	0.0
Channel				667668	666666	666400	Time-use	MPR	
15	QPSK	1	1	12.73	12.56	12.57	12.57	13.5	0.0
Channel				667668	666666	666400	Time-use	MPR	
10	QPSK	1	1	12.67	12.74	12.74	12.74	13.5	0.0
Channel				667668	666666	666432	Time-use	MPR	
5	QPSK	1	1	12.68	12.70	12.71	12.71	13.5	0.0
Channel				666666	666666	666600	Time-use	MPR	
10	QPSK	1	1	12.68	12.71	12.70	12.70	13.5	0.0

Par270_n77(HPUe)_Ant 6									
Env (MHz)	Modulation	RB Size	RB Offset	Power Max (dBm)	Power Min (dBm)	Power Max (dBm)	Power Min (dBm)	Transmit Time (min)	APR (%)
Channel				Ch. 1 Freq.	Ch. 1 BW	Ch. 2 Freq.	Ch. 2 BW		
Frequency (MHz)				66500	3640	3000			
150	P13 BP16			15.48	15.48	15.41			
150	P13 BP16	1	1	15.47	15.47	15.22		18.5	0.0
150	P13 BP16	1	1	15.47	15.47	15.22		18.5	0.0
150	P13 BP16	1	271	15.32	15.44	15.37		18.5	0.0
150	P13 BP16	156	0	15.28	15.39	15.21		18.5	0.0
150	P13 BP16	156	69	15.31	15.41	15.31		18.5	0.0
150	P13 BP16	156	158	15.31	15.36	15.31		18.5	0.0
150	P13 BP16	270	0	15.34	15.40	15.33		18.5	0.0
150	QPSK			15.48	15.48	15.51			
150	QPSK	1	157	15.30	15.49	15.36		18.5	0.0
150	QPSK	1	271	15.40	15.42	15.42		18.5	0.0
150	QPSK	156	0	15.47	15.47	15.42		18.5	0.0
150	QPSK	156	69	15.41	15.51	15.46		18.5	0.0
150	QPSK	156	158	15.43	15.45	15.37		18.5	0.0
150	QPSK	270	0	15.39	15.44	15.39		18.5	0.0
150	16QAM	1	1	15.45	15.48	15.45		18.5	0.0
150	16QAM	1	1	15.48	15.47	15.42		18.5	0.0
150	16QAM	1	1	15.39	15.54	15.39		18.5	0.0
150	256QAM			66500	66500	66330		Transmit	APR
80	Channel			66500	66500	66330		Transmit	APR
80	Frequency (MHz)			15.48	15.44	15.42		18.5	0.0
80	Channel			66534	66534	66268		Transmit	APR
80	Frequency (MHz)			15.47	15.47	15.47		18.5	0.0
80	Channel			66500	66500	66300		Transmit	APR
80	Frequency (MHz)			15.48	15.47	15.43		18.5	0.0
80	Channel			66500	66500	66330		Transmit	APR
80	Frequency (MHz)			15.47	15.47	15.47		18.5	0.0
80	Channel			66534	66534	66268		Transmit	APR
80	Frequency (MHz)			15.42	15.46	15.37		18.5	0.0
80	Channel			66500	66500	66400		Transmit	APR
80	Frequency (MHz)			15.47	15.47	15.47		18.5	0.0
80	Channel			66534	66534	66268		Transmit	APR
80	Frequency (MHz)			15.47	15.46	15.38		18.5	0.0
80	Channel			66500	66500	66430		Transmit	APR
80	Frequency (MHz)			15.48	15.50	15.41		18.5	0.0
80	Channel			66500	66500	66400		Transmit	APR
80	Frequency (MHz)			15.47	15.46	15.44		18.5	0.0
80	Channel			66534	66534	66268		Transmit	APR
80	Frequency (MHz)			15.47	15.46	15.45		18.5	0.0
80	Channel			66500	66500	66480		Transmit	APR
80	Frequency (MHz)			15.47	15.46	15.45		18.5	0.0
80	Channel			66534	66534	66268		Transmit	APR
80	Frequency (MHz)			15.47	15.46	15.45		18.5	0.0
80	Channel			66500	66500	66500		Transmit	APR
80	Frequency (MHz)			15.46	15.48	15.36		18.5	0.0

Part27Q_n77_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	
Channel				63332	63332	63332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	P12 BPSK	1	1	15.16			
100	P12 BPSK	1	137	15.09			
100	P12 BPSK	1	271	15.04		16.0	0.0
100	P12 BPSK	135	0	14.99		16.0	0.0
100	P12 BPSK	135	69	15.06		16.0	0.0
100	P12 BPSK	135	135	14.98		16.0	0.0
100	P12 BPSK	270	0	14.93		16.0	0.0
100	QPSK	1	1	15.28			
100	QPSK	1	137	15.23		16.0	0.0
100	QPSK	1	271	15.14			
100	QPSK	135	0	15.05		16.0	0.0
100	QPSK	135	69	15.16		16.0	0.0
100	QPSK	135	135	15.11		16.0	0.0
100	QPSK	270	0	15.05		16.0	0.0
100	16QAM	1	1	15.13		16.0	0.0
100	64QAM	1	1	15.18		16.0	0.0
100	256QAM	1	1	15.14		16.0	0.0
Channel				63300	63360		
Frequency (MHz)				3495.02	3499.98	35.0	MPE
90	QPSK	1	1	15.12	15.21	14.95	16.0
Channel				63250	63310		
Frequency (MHz)				3490.02	3499.98	35.0	MPE
80	QPSK	1	1	15.15	15.14	15.03	16.0
Channel				63231	63331		
Frequency (MHz)				3485.01	3499.98	35.14.98	MPE
70	QPSK	1	1	15.06	15.22	14.87	16.0
Channel				63200	63310		
Frequency (MHz)				3480.02	3499.98	35.19.98	MPE
60	QPSK	1	1	15.07	15.18	14.99	16.0
Channel				63170	63310		
Frequency (MHz)				3475.02	3499.98	35.0	MPE
50	QPSK	1	1	15.08	15.18	14.99	16.0
Channel				63151	63310		
Frequency (MHz)				3470.01	3499.98	35.29.98	MPE
40	QPSK	1	1	15.12	15.19	14.94	16.0
Channel				63120	63310		
Frequency (MHz)				3465.01	3499.98	35.34.98	MPE
30	QPSK	1	1	15.15	15.22	14.98	16.0
Channel				63081	63310		
Frequency (MHz)				3462.51	3499.98	35.37.48	MPE
25	QPSK	1	1	15.15	15.20	14.97	16.0
Channel				63066	63310		
Frequency (MHz)				3460.02	3499.98	35.40	MPE
20	QPSK	1	1	15.15	15.16	15.14	16.0
Channel				63050	63310		
Frequency (MHz)				3457.5	3499.98	35.42.48	MPE
15	QPSK	1	1	15.40	15.16	14.99	16.0
Channel				63034	63310		
Frequency (MHz)				3455.01	3499.98	35.44.98	MPE
10	QPSK	1	1	15.12	15.21	15.04	16.0

Part27Q_n77(HPUE)_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	
Channel				63332	63332	63332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	P12 BPSK	1	1	15.03			
100	P12 BPSK	1	137	17.89			
100	P12 BPSK	1	271	17.81		19.0	0.0
100	P12 BPSK	135	0	17.83		19.0	0.0
100	P12 BPSK	135	69	17.95		19.0	0.0
100	P12 BPSK	135	135	17.84		19.0	0.0
100	P12 BPSK	270	0	17.78		19.0	0.0
100	QPSK	1	1	18.12			
100	QPSK	1	137	18.04		19.0	0.0
100	QPSK	1	271	17.97			
100	QPSK	135	0	17.89		19.0	0.0
100	QPSK	135	69	18.0		19.0	0.0
100	QPSK	135	135	17.98		19.0	0.0
100	QPSK	270	0	17.92		19.0	0.0
100	16QAM	1	1	18.04		19.0	0.0
100	64QAM	1	1	18.05		19.0	0.0
100	256QAM	1	1	18.01		19.0	0.0
Channel				63300	63332	63369	MPE
Frequency (MHz)				3495.02	3499.98	3504.98	19.0
90	QPSK	1	1	17.97	17.97	17.93	19.0
Channel				63250	63332	63400	MPE
Frequency (MHz)				3490.02	3499.98	3509.98	19.0
80	QPSK	1	1	17.93	18.04	17.98	19.0
Channel				63231	63332	63432	MPE
Frequency (MHz)				3485.01	3499.98	3514.98	19.0
70	QPSK	1	1	17.87	18.06 <td>17.92</td> <td>19.0</td>	17.92	19.0
Channel				63200	63332	63469	MPE
Frequency (MHz)				3480.01	3499.98	3519.98	19.0
60	QPSK	1	1	17.87	17.98	18.00	19.0
Channel				63170	63332	63500	MPE
Frequency (MHz)				3475.02	3499.98	3524.98	19.0
50	QPSK	1	1	17.95	18.03	17.94	19.0
Channel				63151	63332	63532	MPE
Frequency (MHz)				3470.01	3499.98	3529.98	19.0
40	QPSK	1	1	17.95	18.02	17.92	19.0
Channel				63120	63332	63569	MPE
Frequency (MHz)				3465.01	3499.98	3534.98	19.0
30	QPSK	1	1	18.02	18.06	17.94	19.0
Channel				63081	63332	63582	MPE
Frequency (MHz)				3462.51	3499.98	3537.48	19.0
25	QPSK	1	1	17.99	18.02	17.98	19.0
Channel				63066	63332	63600	MPE
Frequency (MHz)				3460.02	3499.98	3540.0	19.0
20	QPSK	1	1	18.02	18.04	17.99	19.0
Channel				63050	63332	63616	MPE
Frequency (MHz)				3457.5	3499.98	3542.48	19.0
15	QPSK	1	1	18.03	18.06	17.98	19.0
Channel				63034	63332	63632	MPE
Frequency (MHz)				3455.01	3499.98	3544.98	19.0
10	QPSK	1	1	17.93	18.01	18.00	19.0

Part27O_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (dBm)	Power Mod Ch. 1 (dBm)	Power High Ch. 1 (dBm)	Turn-up test (dBm)	MPR (dB)	
Channel				3760	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	15.15	15.34	15.26			
100	PI2 BPSK	1	137	14.99	15.15	15.18	16.0	0.0	
100	PI2 BPSK	1	271	15.12	15.30	15.21			
100	PI2 BPSK	135	0	14.85	15.13	14.86	16.0	0.0	
100	PI2 BPSK	135	69	15.01	15.19	15.12	16.0	0.0	
100	PI2 BPSK	135	138	14.84	15.11	15.06	16.0	0.0	
100	PI2 BPSK	270	0	14.98	15.25	15.20			
100	QPSK	1	1	15.24	15.40	15.27			
100	QPSK	1	137	15.10	15.26	15.24	16.0	0.0	
100	QPSK	1	271	15.17	15.35	15.28			
100	QPSK	135	0	14.97	15.21	15.07	16.0	0.0	
100	QPSK	135	69	15.09	15.33	15.21	16.0	0.0	
100	QPSK	135	138	14.99	15.24	15.13	16.0	0.0	
100	QPSK	270	0	15.04	15.18	15.05	16.0	0.0	
100	16QAM	1	1	15.10	15.35	15.21	16.0	0.0	
100	64QAM	1	1	15.16	15.27	15.23	16.0	0.0	
100	256QAM	1	1	15.15	15.35	15.18	16.0	0.0	
Channel				3696.98	3696.98	3693.32	Turn-up test	MPR	
90	QPSK	1	1	15.09	15.29	15.19	16.0	0.0	
Channel				3693.34	3693.34	3689.66	Turn-up test	MPR	
80	QPSK	1	1	15.19	15.35	15.19	16.0	0.0	
Channel				3690.00	3690.00	3686.00	Turn-up test	MPR	
70	QPSK	1	1	15.14	15.28	15.24	16.0	0.0	
Channel				3686.98	3686.98	3683.32	Turn-up test	MPR	
60	QPSK	1	1	15.16	15.25	15.16	16.0	0.0	
Channel				3683.34	3683.34	3679.66	Turn-up test	MPR	
50	QPSK	1	1	15.16	15.30	15.18	16.0	0.0	
Channel				3680.00	3680.00	3676.00	Turn-up test	MPR	
40	QPSK	1	1	15.17	15.29	15.18	16.0	0.0	
Channel				3676.98	3676.98	3673.32	Turn-up test	MPR	
30	QPSK	1	1	15.11	15.30	15.24	16.0	0.0	
Channel				3673.34	3673.34	3669.66	Turn-up test	MPR	
25	QPSK	1	1	15.10	15.33	15.22	16.0	0.0	
Channel				3670.00	3670.00	3666.00	Turn-up test	MPR	
20	QPSK	1	1	15.10	15.34	15.22	16.0	0.0	
Channel				3666.98	3666.98	3663.32	Turn-up test	MPR	
15	QPSK	1	1	15.16	15.35	15.17	16.0	0.0	
Channel				3663.34	3663.34	3659.66	Turn-up test	MPR	
10	QPSK	1	1	15.11	15.31	15.16	16.0	0.0	

Part27O_n77(HPUe)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq. (MHz)	Mod Ch. Freq. (MHz)	High Ch. Freq. (MHz)	Turn-up test (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)				18.14	18.19	18.13			
100	PI2 BPSK	1	1	18.06	18.15	18.02	19.0	0.0	
100	PI2 BPSK	1	271	18.10	18.08	18.08			
100	PI2 BPSK	135	0	18.02	18.05	17.93	19.0	0.0	
100	PI2 BPSK	135	69	18.07	18.10	18.06	19.0	0.0	
100	PI2 BPSK	135	138	18.04	17.94	17.89	19.0	0.0	
100	PI2 BPSK	270	0	17.90	17.99	17.99			
100	QPSK	1	1	18.20	18.25	18.15			
100	QPSK	1	137	18.16	18.25	18.13	19.0	0.0	
100	QPSK	1	271	18.20	18.20	18.15			
100	QPSK	135	0	18.10	18.12	18.08	19.0	0.0	
100	QPSK	135	69	18.13	18.19		19.0	0.0	
100	QPSK	135	138	18.09	18.08	18.04	19.0	0.0	
100	QPSK	270	0	18.05	18.10	18.04			
100	16QAM	1	1	18.14	18.20	18.16	19.0	0.0	
100	64QAM	1	1	18.10	18.20	18.18	19.0	0.0	
100	256QAM	1	1	18.20	18.28	18.18	19.0	0.0	
Channel				369668	369668	369332	Turn-up test	MPR	
Frequency (MHz)				18.13	18.18	18.18			
90	QPSK	1	1	18.13	18.20	18.20	19.0	0.0	
Channel				369334	369334	369098	Turn-up test	MPR	
Frequency (MHz)				18.18	18.20	18.18			
80	QPSK	1	1	18.18	18.23	18.13	19.0	0.0	
Channel				369000	369000	368600	Turn-up test	MPR	
Frequency (MHz)				18.19	18.18	18.18			
70	QPSK	1	1	18.19	18.18	18.19	19.0	0.0	
Channel				369668	369668	369332	Turn-up test	MPR	
Frequency (MHz)				18.10	18.19	18.23	19.0	0.0	
60	QPSK	1	1	18.10	18.19	18.23	19.0	0.0	
Channel				368334	368334	368098	Turn-up test	MPR	
Frequency (MHz)				18.13	18.20	18.19			
50	QPSK	1	1	18.13	18.26	18.19	19.0	0.0	
Channel				368000	368000	367600	Turn-up test	MPR	
Frequency (MHz)				18.20	18.21	18.13	19.0	0.0	
40	QPSK	1	1	18.20	18.21	18.13	19.0	0.0	
Channel				367668	367668	367332	Turn-up test	MPR	
Frequency (MHz)				18.14	18.15	18.18	19.0	0.0	
30	QPSK	1	1	18.14	18.15	18.18	19.0	0.0	
Channel				367500	367500	367000	Turn-up test	MPR	
Frequency (MHz)				18.20	18.18	18.16	19.0	0.0	
25	QPSK	1	1	18.20	18.18	18.16	19.0	0.0	
Channel				367334	367334	366968	Turn-up test	MPR	
Frequency (MHz)				18.13	18.17	18.15	19.0	0.0	
20	QPSK	1	1	18.13	18.17	18.15	19.0	0.0	
Channel				367168	367168	366832	Turn-up test	MPR	
Frequency (MHz)				18.17	18.21	18.22	19.0	0.0	
15	QPSK	1	1	18.17	18.21	18.22	19.0	0.0	
Channel				367000	367000	366500	Turn-up test	MPR	
Frequency (MHz)				18.19	18.22	18.17	19.0	0.0	
10	QPSK	1	1	18.19	18.22	18.17	19.0	0.0	



Part27Q_n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	15.48					
100	PQ2 BPSK	1	137	15.59			16.5	0.0	
100	PQ2 BPSK	1	271	15.54					
100	PQ2 BPSK	135	5	15.45			16.5	0.0	
100	PQ2 BPSK	135	69	15.52			16.5	0.0	
100	PQ2 BPSK	135	138	15.40			16.5	0.0	
100	PQ2 BPSK	270	0	15.50			16.5	0.0	
100	QPSK	1	1	15.75					
100	QPSK	1	137	15.64			16.5	0.0	
100	QPSK	1	271	15.67					
100	QPSK	135	5	15.58			16.5	0.0	
100	QPSK	135	69	15.63			16.5	0.0	
100	QPSK	135	138	15.48			16.5	0.0	
100	QPSK	270	0	15.55			16.5	0.0	
100	16QAM	1	1	15.65			16.5	0.0	
100	64QAM	1	1	15.63			16.5	0.0	
100	256QAM	1	1	15.62			16.5	0.0	
Channel				633330	633332	633334			
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	15.49	15.65	15.65	16.5	0.0	
Channel				633330	633332	633334			
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	15.58	15.65	15.55	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	15.54	15.70	15.67	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	15.48	15.69	15.67	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	15.54	15.62	15.65	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	15.49	15.61	15.65	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	15.53	15.68	15.62	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3460.51	3499.98	3537.48			
25	QPSK	1	1	15.53	15.61	15.58	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3455.02	3499.98	3540			
20	QPSK	1	1	15.49	15.67	15.56	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3450.5	3499.98	3542.48			
15	QPSK	1	1	15.54	15.60	15.62	16.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	15.50	15.69	15.60	16.5	0.0	

Part27Q_n78(HPUe)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	18.47					
100	PQ2 BPSK	1	137	18.37			19.5	0.0	
100	PQ2 BPSK	1	271	18.38					
100	PQ2 BPSK	135	5	18.21			19.5	0.0	
100	PQ2 BPSK	135	69	18.33			19.5	0.0	
100	PQ2 BPSK	135	138	18.16			19.5	0.0	
100	PQ2 BPSK	270	0	18.19			19.5	0.0	
100	QPSK	1	1	18.57					
100	QPSK	1	137	18.51			19.5	0.0	
100	QPSK	1	271	18.51					
100	QPSK	135	5	18.38			19.5	0.0	
100	QPSK	135	69	18.44			19.5	0.0	
100	QPSK	135	138	18.29			19.5	0.0	
100	QPSK	270	0	18.25			19.5	0.0	
100	16QAM	1	1	18.48			19.5	0.0	
100	64QAM	1	1	18.46			19.5	0.0	
100	256QAM	1	1	18.48			19.5	0.0	
Channel				633330	633332	633334			
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	18.37	18.46	18.45	19.5	0.0	
Channel				633330	633332	633334			
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	18.42	18.48	18.40	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	18.38	18.49	18.49	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	18.32	18.45	18.45	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	18.38	18.46	18.42	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	18.37	18.44	18.41	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	18.38	18.44	18.45	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3460.51	3499.98	3537.48			
25	QPSK	1	1	18.34	18.43	18.42	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3455.02	3499.98	3540			
20	QPSK	1	1	18.35	18.49	18.39	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3450.5	3499.98	3542.48			
15	QPSK	1	1	18.42	18.49	18.45	19.5	0.0	
Channel				633331	633333	633335			
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	18.59	18.50	18.49	19.5	0.0	

Part27O_n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)	
Channel				660000					
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	15.75					
100	PQ2 BPSK	1	137	15.66			16.5	0.0	
100	PQ2 BPSK	1	271	15.65					
100	PQ2 BPSK	135	5	15.57			16.5	0.0	
100	PQ2 BPSK	135	69	15.68			16.5	0.0	
100	PQ2 BPSK	135	138	15.51			16.5	0.0	
100	PQ2 BPSK	270	0	15.50			16.5	0.0	
100	QPSK	1	1	15.85					
100	QPSK	1	137	15.72			16.5	0.0	
100	QPSK	1	271	15.78					
100	QPSK	135	5	15.62			16.5	0.0	
100	QPSK	135	69	15.75			16.5	0.0	
100	QPSK	135	138	15.64			16.5	0.0	
100	QPSK	270	0	15.63			16.5	0.0	
100	16QAM	1	1	15.76			16.5	0.0	
100	64QAM	1	1	15.71			16.5	0.0	
100	256QAM	1	1	15.79			16.5	0.0	
Channel				660000		660330	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
50	QPSK	1	1	15.52	15.78	15.63	16.5	0.0	
Channel				660330		660660	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
50	QPSK	1	1	15.53	15.72	15.69	16.5	0.0	
Channel				660660		661000	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
70	QPSK	1	1	15.54	15.73	15.68	16.5	0.0	
Channel				661000		661330	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
60	QPSK	1	1	15.52	15.71	15.69	16.5	0.0	
Channel				661330		661660	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
50	QPSK	1	1	15.50	15.72	15.67	16.5	0.0	
Channel				661660		662000	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
40	QPSK	1	1	15.54	15.74	15.70	16.5	0.0	
Channel				662000		662330	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
30	QPSK	1	1	15.52	15.77	15.68	16.5	0.0	
Channel				662330		662660	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
25	QPSK	1	1	15.50	15.74	15.67	16.5	0.0	
Channel				662660		663000	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
20	QPSK	1	1	15.58	15.72	15.67	16.5	0.0	
Channel				663000		663330	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
18	QPSK	1	1	15.53	15.73	15.71	16.5	0.0	
Channel				663330		663600	Tune-up limit	MPR	
Frequency (MHz)				3499.98		3499.98			
15	QPSK	1	1	15.52	15.80	15.63	16.5	0.0	



Part27O_n78(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				8740	86000				
Frequency (MHz)				18.77					
100	16Q BPSK	1	1	18.77					
100	16Q BPSK	1	137	18.63			19.5	0.0	
100	16Q BPSK	1	271	18.58					
100	16Q BPSK	135	0	18.46			19.5	0.0	
100	16Q BPSK	135	69	18.64			19.5	0.0	
100	16Q BPSK	135	138	18.49			19.5	0.0	
100	16Q BPSK	270	0	18.51					
100	QPSK	1	1	18.94					
100	QPSK	1	137	18.71			19.5	0.0	
100	QPSK	1	271	18.71					
100	QPSK	135	0	18.60			19.5	0.0	
100	QPSK	135	69	18.59			19.5	0.0	
100	QPSK	135	138	18.61			19.5	0.0	
100	QPSK	270	0	18.51					
100	8QAM	1	1	18.72			19.5	0.0	
100	8QAM	1	1	18.72			19.5	0.0	
100	256QAM	1	1	18.73			19.5	0.0	
Channel				84868	85000	85232	18.74 (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	18.57	18.79	18.67	19.5	0.0	
Channel				84835	85000	85165	18.74 (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	18.57	18.70	18.58	19.5	0.0	
Channel				84803	85000	85197	18.74 (dBm)	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.57	18.73	18.56	19.5	0.0	
Channel				84768	85000	85232	18.74 (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	18.56	18.71	18.51	19.5	0.0	
Channel				84733	85000	85166	18.74 (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	18.57	18.79	18.60	19.5	0.0	
Channel				84700	85000	85200	18.74 (dBm)	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.58	18.71	18.55	19.5	0.0	
Channel				84668	85000	85232	18.74 (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	18.52	18.75	18.56	19.5	0.0	
Channel				84700	85000	85200	18.74 (dBm)	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	18.52	18.73	18.61	19.5	0.0	
Channel				84734	85000	85266	18.74 (dBm)	MPR	
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	18.49	18.70	18.50	19.5	0.0	
Channel				84768	85000	85232	18.74 (dBm)	MPR	
Frequency (MHz)				3707.50	3750	3792.50			
15	QPSK	1	1	18.52	18.72	18.50	19.5	0.0	
Channel				84700	85000	85300	18.74 (dBm)	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.55	18.73	18.60	19.5	0.0	

Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				63332			
Frequency (MHz)				3493.98			
100	PQ2 BPSK	1	1	14.65			
100	PQ2 BPSK	1	137	14.58			
100	PQ2 BPSK	1	271	14.47			15.5
100	PQ2 BPSK	135	5	14.46			15.5
100	PQ2 BPSK	135	69	14.45			15.5
100	PQ2 BPSK	135	138	14.39			15.5
100	PQ2 BPSK	270	0	14.40			15.5
100	QPSK	1	1	14.72			
100	QPSK	1	137	14.66			
100	QPSK	1	271	14.62			15.5
100	QPSK	135	5	14.55			15.5
100	QPSK	135	69	14.50			15.5
100	QPSK	135	138	14.49			15.5
100	QPSK	270	0	14.51			15.5
100	8QAM	1	1	14.69			15.5
100	8QAM	1	1	14.69			15.5
100	256QAM	1	1	14.80			15.5
Channel				63300		63360	
Frequency (MHz)				3495		3504.98	
90	QPSK	1	1	14.54	14.70	14.59	15.5
Channel				63395		63400	
Frequency (MHz)				3499.02		3499.98	
80	QPSK	1	1	14.53	14.67	14.54	15.5
Channel				63873		63913	
Frequency (MHz)				3495.01		3514.98	
70	QPSK	1	1	14.48	14.68	14.47	15.5
Channel				6400		3519.98	
Frequency (MHz)				3490		3519.98	
60	QPSK	1	1	14.48	14.63	14.50	15.5
Channel				61893		61913	
Frequency (MHz)				3475.02		3499.98	
50	QPSK	1	1	14.53	14.66	14.67	15.5
Channel				3470.01		3499.98	
Frequency (MHz)				3470.01		3499.98	
40	QPSK	1	1	14.50	14.64	14.49	15.5
Channel				61900		61913	
Frequency (MHz)				3495		3499.98	
30	QPSK	1	1	14.46	14.63	14.48	15.5
Channel				61933		61913	
Frequency (MHz)				3492.51		3499.98	
25	QPSK	1	1	14.53	14.70	14.50	15.5
Channel				61965		61913	
Frequency (MHz)				3499.02		3499.98	
20	QPSK	1	1	14.52	14.67	14.54	15.5
Channel				62000		61913	
Frequency (MHz)				3497.5		3499.98	
15	QPSK	1	1	14.52	14.69	14.53	15.5
Channel				62034		61913	
Frequency (MHz)				3495.01		3499.98	
10	QPSK	1	1	14.49	14.64	14.61	15.5

Part27Q_n78(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				63332			
Frequency (MHz)				3493.98			
100	PQ2 BPSK	1	1	17.67			
100	PQ2 BPSK	1	137	17.59			18.5
100	PQ2 BPSK	1	271	17.51			18.5
100	PQ2 BPSK	135	5	17.49			18.5
100	PQ2 BPSK	135	69	17.57			18.5
100	PQ2 BPSK	135	138	17.51			18.5
100	PQ2 BPSK	270	0	17.58			18.5
100	QPSK	1	1	17.77			
100	QPSK	1	137	17.67			
100	QPSK	1	271	17.64			18.5
100	QPSK	135	5	17.59			18.5
100	QPSK	135	69	17.79			18.5
100	QPSK	135	138	17.59			18.5
100	QPSK	270	0	17.62			18.5
100	8QAM	1	1	17.71			18.5
100	8QAM	1	1	17.72			18.5
100	256QAM	1	1	17.84			18.5
Channel				63300		63360	
Frequency (MHz)				3495		3504.98	
90	QPSK	1	1	17.49	17.65	17.54	18.5
Channel				63395		63400	
Frequency (MHz)				3499.02		3499.98	
80	QPSK	1	1	17.50	17.71	17.50	18.5
Channel				63873		63913	
Frequency (MHz)				3495.01		3514.98	
70	QPSK	1	1	17.50	17.63	17.52	18.5
Channel				6400		3519.98	
Frequency (MHz)				3490		3519.98	
60	QPSK	1	1	17.46	17.68	17.56	18.5
Channel				61893		61913	
Frequency (MHz)				3475.02		3499.98	
50	QPSK	1	1	17.46	17.65	17.52	18.5
Channel				3470.01		3499.98	
Frequency (MHz)				3470.01		3499.98	
40	QPSK	1	1	17.48	17.65	17.52	18.5
Channel				61900		61913	
Frequency (MHz)				3495		3499.98	
30	QPSK	1	1	17.51	17.69	17.51	18.5
Channel				61933		61913	
Frequency (MHz)				3492.51		3499.98	
25	QPSK	1	1	17.51	17.65	17.51	18.5
Channel				61965		61913	
Frequency (MHz)				3499.02		3499.98	
20	QPSK	1	1	17.56	17.64	17.49	18.5
Channel				62000		61913	
Frequency (MHz)				3497.5		3499.98	
15	QPSK	1	1	17.47	17.67	17.52	18.5
Channel				62034		61913	
Frequency (MHz)				3495.01		3499.98	
10	QPSK	1	1	17.53	17.64	17.49	18.5

Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				66000			
Frequency (MHz)				14.65			
100	PQ2 BPSK	1	1	14.65			
100	PQ2 BPSK	1	137	14.63			15.5
100	PQ2 BPSK	1	271	14.58			15.5
100	PQ2 BPSK	135	5	14.42			15.5
100	PQ2 BPSK	135	69	14.61			15.5
100	PQ2 BPSK	135	138	14.44			15.5
100	PQ2 BPSK	270	0	14.53			15.5
100	QPSK	1	1	14.79			
100	QPSK	1	137	14.79			
100	QPSK	1	271	14.65			15.5
100	QPSK	135	5	14.54			15.5
100	QPSK	135	69	14.59			15.5
100	QPSK	135	138	14.51			15.5
100	QPSK	270	0	14.61			15.5
100	8QAM	1	1	14.71			15.5
100	8QAM	1	1	14.62			15.5
100	256QAM	1	1	14.68			15.5
Channel				66060		66012	
Frequency (MHz)				1745.92		1759.98	
90	QPSK	1	1	14.62	14.68	14.59	15.5
Channel				66090		66060	
Frequency (MHz)				1740.01		1759.98	
80	QPSK	1	1	14.65	14.72	14.59	15.5
Channel				66990		66960	
Frequency (MHz)				1735		1759.98	
70	QPSK	1	1	14.62	14.65	14.59	15.5
Channel				6700		1759.98	
Frequency (MHz)				1730.02		1759.98	
60	QPSK	1	1	14.67	14.70	14.57	15.5
Channel				66930		66960	
Frequency (MHz)				1725.01		1759.98	
50	QPSK	1	1	14.60	14.74	14.62	15.5
Channel				66970		66960	
Frequency (MHz)				1725		1759.98	
40	QPSK	1	1	14.62	14.73	14.61	15.5
Channel				66910		66960	
Frequency (MHz)				1715.02		1759.98	
30	QPSK	1	1	14.60	14.66	14.62	15.5
Channel				66950		66960	
Frequency (MHz)				1710.5		1759.98	
25	QPSK	1	1	14.60	14.67	14.58	15.5
Channel				66900		66960	
Frequency (MHz)				1710.01		1759.98	
20	QPSK	1	1	14.62	14.74	14.57	15.5
Channel				66940		66960	
Frequency (MHz)				1707.52		1759.98	
15	QPSK	1	1	14.60	14.68	14.58	15.5
Channel				66900		66960	
Frequency (MHz)				1705		1759.98	
10	QPSK	1	1	14.61	14.64	14.59	15.5



Part27O_n78(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84868	85000	85132			
Frequency (MHz)				17.32	17.40	17.48			
100	F1/2 BPSK	1	1	17.32	17.40	17.48	18.5	0.0	
100	F1/2 BPSK	1	137	17.31	17.39	17.47	18.5	0.0	
100	F1/2 BPSK	1	271	17.35	17.43	17.51	18.5	0.0	
100	F1/2 BPSK	135	0	17.38	17.46	17.54	18.5	0.0	
100	F1/2 BPSK	135	69	17.41	17.49	17.57	18.5	0.0	
100	F1/2 BPSK	135	138	17.34	17.42	17.50	18.5	0.0	
100	F1/2 BPSK	270	0	17.39	17.47	17.55	18.5	0.0	
100	QPSK	1	1	17.37	17.45	17.53	18.5	0.0	
100	QPSK	1	137	17.46	17.54	17.62	18.5	0.0	
100	QPSK	1	271	17.44	17.52	17.60	18.5	0.0	
100	QPSK	135	0	17.41	17.49	17.57	18.5	0.0	
100	QPSK	135	69	17.35	17.43	17.51	18.5	0.0	
100	QPSK	135	138	17.45	17.53	17.61	18.5	0.0	
100	QPSK	270	0	17.39	17.47	17.55	18.5	0.0	
100	QAM	1	1	17.46	17.54	17.62	18.5	0.0	
100	QAM	1	1	17.52	17.60	17.68	18.5	0.0	
100	SSBQAM	1	1	17.42	17.50	17.58	18.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	17.32	17.40	17.48	18.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	17.32	17.51	17.45	18.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.33	17.46	17.43	18.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	17.32	17.45	17.44	18.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	17.41	17.51	17.41	18.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.32	17.49	17.42	18.5	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3715.02	3750	3764.98			
30	QPSK	1	1	17.34	17.49	17.40	18.5	0.0	
Channel				84750	85000	85250			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	17.40	17.48	17.41	18.5	0.0	
Channel				84734	85000	85266			
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	17.37	17.43	17.43	18.5	0.0	
Channel				84718	85000	85282			
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	17.37	17.47	17.42	18.5	0.0	
Channel				84700	85000	85300			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.34	17.42	17.40	18.5	0.0	

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3499.98		6333.02			
Frequency (MHz)									
100	PQ2 BPSK	1	1	12.46					
100	PQ2 BPSK	1	137	12.39			13.5	0.0	
100	PQ2 BPSK	1	271	12.37					
100	PQ2 BPSK	135	0	12.30			13.5	0.0	
100	PQ2 BPSK	135	69	12.39			13.5	0.0	
100	PQ2 BPSK	135	138	12.34			13.5	0.0	
100	PQ2 BPSK	270	0	12.22					
100	QPSK	1	1	12.50					
100	QPSK	1	137	12.51			13.5	0.0	
100	QPSK	1	271	12.48					
100	QPSK	135	0	12.35			13.5	0.0	
100	QPSK	135	69	12.40			13.5	0.0	
100	QPSK	135	138	12.43			13.5	0.0	
100	QPSK	270	0	12.30					
100	8QAM	1	1	12.40			13.5	0.0	
100	256QAM	1	1	12.44			13.5	0.0	
Channel				63300		63332		63366	
Frequency (MHz)								Tune-up limit MPR	
90	QPSK	1	1	12.21	12.51	12.28	13.5	0.0	
Channel				63368		63332		63400	
Frequency (MHz)								Tune-up limit MPR	
80	QPSK	1	1	12.21	12.48	12.36	13.5	0.0	
Channel				63434		63332		63432	
Frequency (MHz)								Tune-up limit MPR	
70	QPSK	1	1	12.23	12.41	12.29	13.5	0.0	
Channel				63498		63332		63498	
Frequency (MHz)								Tune-up limit MPR	
60	QPSK	1	1	12.16	12.45	12.33	13.5	0.0	
Channel				63566		63332		63560	
Frequency (MHz)								Tune-up limit MPR	
50	QPSK	1	1	12.17	12.46	12.31	13.5	0.0	
Channel				63534		63332		63532	
Frequency (MHz)								Tune-up limit MPR	
40	QPSK	1	1	12.16	12.50	12.27	13.5	0.0	
Channel				63500		63332		63506	
Frequency (MHz)								Tune-up limit MPR	
30	QPSK	1	1	12.24	12.48	12.33	13.5	0.0	
Channel				63584		63332		63582	
Frequency (MHz)								Tune-up limit MPR	
25	QPSK	1	1	12.23	12.48	12.27	13.5	0.0	
Channel				63668		63332		63660	
Frequency (MHz)								Tune-up limit MPR	
20	QPSK	1	1	12.20	12.49	12.32	13.5	0.0	
Channel				63650		63332		63646	
Frequency (MHz)								Tune-up limit MPR	
15	QPSK	1	1	12.19	12.48	12.31	13.5	0.0	
Channel				63632		63332		63632	
Frequency (MHz)								Tune-up limit MPR	
10	QPSK	1	1	12.20	12.47	12.32	13.5	0.0	

Part27Q_n78(HPUe)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				6333.02		6333.02			
100	PQ2 BPSK	1	1	15.41					
100	PQ2 BPSK	1	137	15.28			16.5	0.0	
100	PQ2 BPSK	1	271	15.30					
100	PQ2 BPSK	135	0	15.30			16.5	0.0	
100	PQ2 BPSK	135	69	15.31			16.5	0.0	
100	PQ2 BPSK	135	138	15.21			16.5	0.0	
100	PQ2 BPSK	270	0	15.19					
100	QPSK	1	1	15.04					
100	QPSK	1	137	15.43			16.5	0.0	
100	QPSK	1	271	15.42					
100	QPSK	135	0	15.38			16.5	0.0	
100	QPSK	135	69	15.40			16.5	0.0	
100	QPSK	135	138	15.35			16.5	0.0	
100	QPSK	270	0	15.32					
100	8QAM	1	1	15.40			16.5	0.0	
100	64QAM	1	1	15.49			16.5	0.0	
100	256QAM	1	1	15.40			16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
90	QPSK	1	1	15.24	15.47	15.41	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
80	QPSK	1	1	15.29	15.46	15.38	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
70	QPSK	1	1	15.31	15.48	15.36	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
60	QPSK	1	1	15.26	15.44	15.33	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
50	QPSK	1	1	15.33	15.48	15.39	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
40	QPSK	1	1	15.29	15.49	15.37	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
30	QPSK	1	1	15.29	15.46	15.36	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
25	QPSK	1	1	15.24	15.43	15.38	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
20	QPSK	1	1	15.28	15.44	15.39	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
15	QPSK	1	1	15.32	15.41	15.40	16.5	0.0	
Channel									
Frequency (MHz)				6333.02		6333.02			
10	QPSK	1	1	15.23	15.47	15.35	16.5	0.0	

Part27O_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				6499.98		6499.98			
100	PQ2 BPSK	1	1	12.69					
100	PQ2 BPSK	1	137	12.64			13.5	0.0	
100	PQ2 BPSK	1	271	12.49					
100	PQ2 BPSK	135	0	12.37			13.5	0.0	
100	PQ2 BPSK	135	69	12.59			13.5	0.0	
100	PQ2 BPSK	135	138	12.46			13.5	0.0	
100	PQ2 BPSK	270	0	12.55					
100	QPSK	1	1	12.76					
100	QPSK	1	137	12.76			13.5	0.0	
100	QPSK	1	271	12.81					
100	QPSK	135	0	12.52			13.5	0.0	
100	QPSK	135	69	12.46			13.5	0.0	
100	QPSK	135	138	12.56			13.5	0.0	
100	QPSK	270	0	12.61					
100	16QAM	1	1	12.89			13.5	0.0	
100	16QAM	1	137	12.84			13.5	0.0	
100	16QAM	1	271	12.71					
Channel				6499.98		6500.32		MPR	
Frequency (MHz)				6500.32		6500.32			
50	QPSK	1	1	12.36	12.55	12.36	13.5	0.0	
Channel				6499.98		6500.66		MPR	
Frequency (MHz)				6500.66		6500.66			
50	QPSK	1	1	12.40	12.70	12.40	13.5	0.0	
Channel				6499.98		6500.99		MPR	
Frequency (MHz)				6500.99		6500.99			
50	QPSK	1	1	12.44	12.82	12.44	13.5	0.0	
Channel				6499.98		6501.00		MPR	
Frequency (MHz)				6501.00		6501.00			
75	QPSK	1	1	12.46	12.58	12.44	13.5	0.0	
Channel				6499.98		6501.32		MPR	
Frequency (MHz)				6501.32		6501.32			
60	QPSK	1	1	12.47	12.63	12.43	13.5	0.0	
Channel				6499.98		6501.66		MPR	
Frequency (MHz)				6501.66		6501.66			
60	QPSK	1	1	12.48	12.69	12.44	13.5	0.0	
Channel				6499.98		6501.99		MPR	
Frequency (MHz)				6501.99		6501.99			
40	QPSK	1	1	12.49	12.69	12.45	13.5	0.0	
Channel				6499.98		6502.00		MPR	
Frequency (MHz)				6502.00		6502.00			
40	QPSK	1	1	12.51	12.71	12.46	13.5	0.0	
Channel				6499.98		6502.32		MPR	
Frequency (MHz)				6502.32		6502.32			
30	QPSK	1	1	12.42	12.59	12.45	13.5	0.0	
Channel				6499.98		6502.50		MPR	
Frequency (MHz)				6502.50		6502.50			
25	QPSK	1	1	12.41	12.54	12.43	13.5	0.0	
Channel				6499.98		6502.66		MPR	
Frequency (MHz)				6502.66		6502.66			
25	QPSK	1	1	12.40	12.50	12.40	13.5	0.0	
Channel				6499.98		6502.92		MPR	
Frequency (MHz)				6502.92		6502.92			
15	QPSK	1	1	12.48	12.71	12.44	13.5	0.0	
Channel				6499.98		6503.00		MPR	
Frequency (MHz)				6503.00		6503.00			
10	QPSK	1	1	12.46	12.52	12.47	13.5	0.0	

Part27O_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84968	85000	85032	16.5	0.0	
Frequency (MHz)				3746.0	3750	3754.0			
100	P12 BPSK	1	1	15.52			16.5	0.0	
100	P12 BPSK	1	137	15.49					
100	P12 BPSK	1	271	15.35			16.5	0.0	
100	P12 BPSK	135	0	15.27					
100	P12 BPSK	135	69	15.38			16.5	0.0	
100	P12 BPSK	135	138	15.23					
100	P12 BPSK	270	0	15.22			16.5	0.0	
100	QPSK	1	1	15.29					
100	QPSK	1	137	15.34			16.5	0.0	
100	QPSK	1	271	15.49					
100	QPSK	135	0	15.38			16.5	0.0	
100	QPSK	135	69	15.34					
100	QPSK	135	138	15.34			16.5	0.0	
100	QPSK	270	0	15.27					
100	QAM	1	1	15.49			16.5	0.0	
100	QAM	1	1	15.51					
100	SSBQAM	1	1	15.54			16.5	0.0	
Channel				84968	85000	85032			
Frequency (MHz)				3746.0	3750	3754.0			
90	QPSK	1	1	15.26	15.53	15.80	16.5	0.0	
Channel				84934	85000	85066			
Frequency (MHz)				3740.0	3750	3759.99			
80	QPSK	1	1	15.27	15.51	15.74	16.5	0.0	
Channel				84934	85000	85066			
Frequency (MHz)				3735.0	3750	3765.0			
70	QPSK	1	1	15.35	15.46	15.57	16.5	0.0	
Channel				84968	85000	85132			
Frequency (MHz)				3730.0	3750	3769.98			
60	QPSK	1	1	15.29	15.49	15.69	16.5	0.0	
Channel				84934	85000	85166			
Frequency (MHz)				3725.0	3750	3774.99			
50	QPSK	1	1	15.25	15.51	15.77	16.5	0.0	
Channel				84900	85000	85200			
Frequency (MHz)				3720.0	3750	3780.0			
40	QPSK	1	1	15.33	15.47	15.61	16.5	0.0	
Channel				84968	85000	85232			
Frequency (MHz)				3725.0	3750	3784.98			
30	QPSK	1	1	15.35	15.46	15.57	16.5	0.0	
Channel				84950	85000	85200			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	15.34	15.54	15.74	16.5	0.0	
Channel				84734	85000	85266			
Frequency (MHz)				3710.5	3750	3789.99			
20	QPSK	1	1	15.23	15.49	15.75	16.5	0.0	
Channel				84716	85000	85282			
Frequency (MHz)				3707.5	3750	3792.48			
15	QPSK	1	1	15.12	15.48	15.84	16.5	0.0	
Channel				84700	85000	85300			
Frequency (MHz)				3705	3750	3795.0			
10	QPSK	1	1	15.31	15.51	15.71	16.5	0.0	
Channel				84700	85000	85300			

Part27Q_n78_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3499.98			
100	PQ2 BPSK	1	1	15.12			
100	PQ2 BPSK	1	137	15.06			
100	PQ2 BPSK	1	271	15.00		16.0	0.0
100	PQ2 BPSK	135	0	14.94			
100	PQ2 BPSK	135	69	14.99		16.0	0.0
100	PQ2 BPSK	135	138	14.83			
100	PQ2 BPSK	270	0	14.79		16.0	0.0
100	QPSK	1	1	15.24			
100	QPSK	1	137	15.18			
100	QPSK	1	271	15.14		16.0	0.0
100	QPSK	135	0	15.03		16.0	0.0
100	QPSK	135	69	15.09		16.0	0.0
100	QPSK	135	138	14.97		16.0	0.0
100	QPSK	270	0	14.94		16.0	0.0
100	16QAM	1	1	15.17		16.0	0.0
100	64QAM	1	1	15.19		16.0	0.0
100	256QAM	1	1	15.16		16.0	0.0
Channel				633332			
Frequency (MHz)				3499.98			
90	QPSK	1	1	14.97	15.18	14.95	16.0
Channel				633332			
Frequency (MHz)				3499.98			
80	QPSK	1	1	14.91	15.09	15.00	16.0
Channel				633332			
Frequency (MHz)				3499.98			
70	QPSK	1	1	14.88	15.11	14.96	16.0
Channel				633332			
Frequency (MHz)				3499.98			
60	QPSK	1	1	14.91	15.19	14.97	16.0
Channel				633332			
Frequency (MHz)				3499.98			
50	QPSK	1	1	14.97	15.13	14.97	16.0
Channel				633332			
Frequency (MHz)				3499.98			
40	QPSK	1	1	14.96	15.17	15.03	16.0
Channel				633332			
Frequency (MHz)				3499.98			
30	QPSK	1	1	14.94	15.19	14.96	16.0
Channel				633332			
Frequency (MHz)				3499.98			
25	QPSK	1	1	14.98	15.09	14.94	16.0
Channel				633332			
Frequency (MHz)				3499.98			
20	QPSK	1	1	14.92	15.15	15.02	16.0
Channel				633332			
Frequency (MHz)				3499.98			
15	QPSK	1	1	14.94	15.12	15.09	16.0
Channel				633332			
Frequency (MHz)				3499.98			
10	QPSK	1	1	14.95	15.16	15.07	16.0

Part27Q_n78(HPUe)_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3499.98			
100	PQ2 BPSK	1	1	17.96			
100	PQ2 BPSK	1	137	17.89		19.0	0.0
100	PQ2 BPSK	1	271	17.82			
100	PQ2 BPSK	135	0	17.88		19.0	0.0
100	PQ2 BPSK	135	69	17.96		19.0	0.0
100	PQ2 BPSK	135	138	17.84		19.0	0.0
100	PQ2 BPSK	270	0	17.85		19.0	0.0
100	QPSK	1	1	18.11			
100	QPSK	1	137	17.96		19.0	0.0
100	QPSK	1	271	18.05			
100	QPSK	135	0	17.96		19.0	0.0
100	QPSK	135	69	18.05		19.0	0.0
100	QPSK	135	138	17.96		19.0	0.0
100	QPSK	270	0	17.91		19.0	0.0
100	16QAM	1	1	18.03		19.0	0.0
100	64QAM	1	1	18.01		19.0	0.0
100	256QAM	1	1	18.04		19.0	0.0
Channel				633332			
Frequency (MHz)				3499.98			
90	QPSK	1	1	17.82	18.05	17.84	19.0
Channel				633332			
Frequency (MHz)				3499.98			
80	QPSK	1	1	17.80	18.00	17.81	19.0
Channel				633332			
Frequency (MHz)				3499.98			
70	QPSK	1	1	17.84	18.02	17.81	19.0
Channel				633332			
Frequency (MHz)				3499.98			
60	QPSK	1	1	17.85	17.97	17.84	19.0
Channel				633332			
Frequency (MHz)				3499.98			
50	QPSK	1	1	17.83	18.03	17.80	19.0
Channel				633332			
Frequency (MHz)				3499.98			
40	QPSK	1	1	17.83	17.98	17.87	19.0
Channel				633332			
Frequency (MHz)				3499.98			
30	QPSK	1	1	17.87	18.03	17.80	19.0
Channel				633332			
Frequency (MHz)				3499.98			
25	QPSK	1	1	17.85	17.99	17.80	19.0
Channel				633332			
Frequency (MHz)				3499.98			
20	QPSK	1	1	17.87	17.98	17.87	19.0
Channel				633332			
Frequency (MHz)				3499.98			
15	QPSK	1	1	17.89	18.02	17.89	19.0
Channel				633332			
Frequency (MHz)				3499.98			
10	QPSK	1	1	17.82	18.02	17.89	19.0

Part27Q_n78_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				660000			
Frequency (MHz)				3499.98			
100	PQ2 BPSK	1	1	15.30			
100	PQ2 BPSK	1	137	15.11		16.0	0.0
100	PQ2 BPSK	1	271	15.24			
100	PQ2 BPSK	135	0	14.96		16.0	0.0
100	PQ2 BPSK	135	69	15.08		16.0	0.0
100	PQ2 BPSK	135	138	15.01		16.0	0.0
100	PQ2 BPSK	270	0	14.99		16.0	0.0
100	QPSK	1	1	15.35			
100	QPSK	1	137	15.24		16.0	0.0
100	QPSK	1	271	15.30			
100	QPSK	135	0	15.10		16.0	0.0
100	QPSK	135	69	15.23		16.0	0.0
100	QPSK	135	138	15.10		16.0	0.0
100	QPSK	270	0	15.11		16.0	0.0
100	16QAM	1	1	15.29		16.0	0.0
100	64QAM	1	1	15.22		16.0	0.0
100	256QAM	1	1	15.26		16.0	0.0
Channel				660000			
Frequency (MHz)				3499.98			
90	QPSK	1	1	15.15	15.27	15.07	16.0
Channel				660000			
Frequency (MHz)				3499.98			
80	QPSK	1	1	15.17	15.24	15.12	16.0
Channel				660000			
Frequency (MHz)				3499.98			
70	QPSK	1	1	15.19	15.29	15.14	16.0
Channel				660000			
Frequency (MHz)				3499.98			
60	QPSK	1	1	15.19	15.30	15.14	16.0
Channel				660000			
Frequency (MHz)				3499.98			
50	QPSK	1	1	15.12	15.30	15.07	16.0
Channel				660000			
Frequency (MHz)				3499.98			
40	QPSK	1	1	15.17	15.23	15.09	16.0
Channel				660000			
Frequency (MHz)				3499.98			
30	QPSK	1	1	15.17	15.23	15.07	16.0
Channel				660000			
Frequency (MHz)				3499.98			
25	QPSK	1	1	15.21	15.22	15.07	16.0
Channel				660000			
Frequency (MHz)				3499.98			
20	QPSK	1	1	15.20	15.26	15.13	16.0
Channel				660000			
Frequency (MHz)				3499.98			
15	QPSK	1	1	15.15	15.26	15.15	16.0
Channel				660000			
Frequency (MHz)				3499.98			
	QPSK	1	1	15.14	15.26	15.15	16.0



Part27O_n78(HPUE)_Ant 8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Mode	Power High Ch. / Power	Tune-up (dBm)	MPE (dB)
Channel				660000				
Frequency (MHz)				3750				
100	PLC BPSK	1	1	18.14				
100	PLC BPSK	1	137	18.05		19.0		
100	PLC BPSK	1	271	18.04				
100	PLC BPSK	135	0	17.87		19.0		
100	PLC BPSK	135	69	17.82		18.0		
100	PLC BPSK	135	138	17.80		19.0		
100	PLC BPSK	270	0	17.76				
100	QPSK	1	1	18.13				
100	QPSK	1	137	18.10		19.0		
100	QPSK	1	271	18.09				
100	QPSK	135	0	17.94		19.0		
100	QPSK	135	69	18.06		19.0		
100	QPSK	135	138	17.92		19.0		
100	QPSK	270	0	17.91				
100	16QAM	1	1	18.07		19.0		
100	64QAM	1	1	18.04		19.0		
100	256QAM	1	1	18.05		19.0		
Channel				58888	59000	59202	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	17.83	18.13	18.00	19.0	0.0
Channel				58933	59000	59067	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	17.85	18.10	18.04	19.0	0.0
Channel				58950	59000	59050	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.86	18.07	18.02	19.0	0.0
Channel				58961	59000	59039	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	17.87	18.05	17.94	19.0	0.0
Channel				58973	59000	59027	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	17.84	18.04	17.99	19.0	0.0
Channel				58980	59000	59020	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.84	18.13	17.97	19.0	0.0
Channel				58961	59000	59039	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	17.91	18.10	18.03	19.0	0.0
Channel				58950	59000	59050	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.88	18.11	17.96	19.0	0.0
Channel				58933	59000	59067	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	17.85	18.04	17.95	19.0	0.0
Channel				58916	59000	59084	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	17.91	18.11	17.97	19.0	0.0
Channel				58900	59000	59100	Tune-up (dB)	MPE (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.90	18.14	18.04	19.0	0.0



n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	23.31	23.40	23.27			
40	Pl2 BPSK	1	108	23.28	23.33	23.21	23.5	0.5	
40	Pl2 BPSK	1	244	23.27	23.37	23.27			
40	Pl2 BPSK	108	0	22.77	22.92	22.83			
40	Pl2 BPSK	108	54	23.25	23.37	23.24	23.5	0.5	
40	Pl2 BPSK	108	108	22.92	23.00	22.93			
40	Pl2 BPSK	216	0	22.85	22.97	22.86			
40	QPSK	1	1	23.41	23.45	23.38	24.0	0.0	
40	QPSK	1	108	23.36	23.42	23.33			
40	QPSK	1	214	23.28	23.39	23.31			
40	QPSK	108	0	22.26	22.42	22.34	24.0	1.0	
40	QPSK	108	54	23.37	23.46	23.33			
40	QPSK	108	108	22.45	22.49	22.43			
40	QPSK	216	0	22.11	22.22	22.11	23.0	1.0	
40	8QAM	1	1	22.96	22.12	22.03			
40	8QAM	1	1	20.74	20.77	20.67		21.5	
40	256QAM	1	1	18.77	18.80	18.65	19.5	4.5	
Channel				373500	376000	378500			
Frequency (MHz)				1869.5	1880	1892.5		MPR (dB)	
35	QPSK	1	1	23.27	23.33	23.34	24.0	0.0	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1895		MPR (dB)	
30	QPSK	1	1	23.28	23.37	23.29	24.0	0.0	
Channel				372500	376000	379500			
Frequency (MHz)				1862.5	1880	1897.5		MPR (dB)	
25	QPSK	1	1	23.29	23.32	23.30	24.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900		MPR (dB)	
20	QPSK	1	1	23.32	23.40	23.33	24.0	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5		MPR (dB)	
15	QPSK	1	1	23.34	23.35	23.34	24.0	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905		MPR (dB)	
10	QPSK	1	1	23.31	23.40	23.29	24.0	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1862.5	1880	1907.5		MPR (dB)	
5	QPSK	1	1	23.28	23.40	23.32	24.0	0.0	
Channel				370000	376000	382000			
Frequency (MHz)				1862.5	1880	1907.5		MPR (dB)	

Reduced Power Mode for DSIS									
n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	23.22	23.30	23.22			
40	Pl2 BPSK	1	108	23.14	23.18	23.16	23.5	0.5	
40	Pl2 BPSK	1	244	23.20	23.22	23.15			
40	Pl2 BPSK	108	0	22.67	22.80	22.75			
40	Pl2 BPSK	108	54	23.19	23.24	23.09	23.5	0.5	
40	Pl2 BPSK	108	108	22.86	22.91	22.88			
40	Pl2 BPSK	216	0	22.85	22.90	22.75			
40	QPSK	1	1	23.26	23.34	23.30	24.0	0.0	
40	QPSK	1	108	23.20	23.23	23.12			
40	QPSK	1	214	23.14	23.27	23.21			
40	QPSK	108	0	22.26	22.31	22.19	24.0	1.0	
40	QPSK	108	54	23.14	23.29	23.15			
40	QPSK	108	108	22.23	22.37	22.24			
40	QPSK	216	0	22.13	22.16	22.03	23.0	1.0	
40	8QAM	1	1	21.86	21.97	21.84			
40	8QAM	1	1	20.65	20.70	20.66		21.5	
40	256QAM	1	1	18.73	18.75	18.72	19.5	4.5	
Channel				373500	376000	378500			
Frequency (MHz)				1869.5	1880	1892.5		MPR (dB)	
35	QPSK	1	1	23.20	23.28	23.22	24.0	0.0	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1895		MPR (dB)	
30	QPSK	1	1	23.25	23.27	23.23	24.0	0.0	
Channel				372500	376000	379500			
Frequency (MHz)				1862.5	1880	1897.5		MPR (dB)	
25	QPSK	1	1	23.17	23.30	23.29	24.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900		MPR (dB)	
20	QPSK	1	1	23.22	23.29	23.30	24.0	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5		MPR (dB)	
15	QPSK	1	1	23.23	23.29	23.21	24.0	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905		MPR (dB)	
10	QPSK	1	1	23.22	23.26	23.26	24.0	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1862.5	1880	1907.5		MPR (dB)	
5	QPSK	1	1	23.17	23.26	23.23	24.0	0.0	
Channel				370000	376000	382000			
Frequency (MHz)				1862.5	1880	1907.5		MPR (dB)	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				168500	167300	169500	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.89	22.86			
20	Pl2 BPSK	1	53	22.80	22.83	22.74	23.5	0.5	
20	Pl2 BPSK	1	104	22.76	22.78	22.70			
20	Pl2 BPSK	50	0	22.29	22.42	22.33			
20	Pl2 BPSK	50	28	22.78	22.86	22.81	23.5	0.5	
20	Pl2 BPSK	50	56	22.28	22.40	22.26			
20	Pl2 BPSK	100	0	22.37	22.46	22.32			
20	QPSK	1	1	22.87	22.90	22.91	24.0	0.0	
20	QPSK	1	53	22.70	22.83	22.74			
20	QPSK	1	104	22.80	22.87	22.80			
20	QPSK	50	0	21.93	22.04	22.02	23.0	1.0	
20	QPSK	50	28	22.83	22.87	22.80			
20	QPSK	50	56	21.99	22.02	22.01			
20	QPSK	100	0	21.94	21.96	21.88	23.0	1.0	
20	16QAM	1	1	21.97	22.01	21.90			
20	64QAM	1	1	20.46	20.50	20.37		21.5	
20	256QAM	1	1	18.52	18.59	18.48	19.5	4.5	
Channel				168300	167300	168300			
Frequency (MHz)				833	836.5	835		(dBm)	
15	QPSK	1	1	22.81	22.76	22.70	24.0	0.0	
Channel				168000	167300	168800			
Frequency (MHz)				829	836.5	844		(dBm)	
10	QPSK	1	1	22.77	22.75	22.75	24.0	0.0	
Channel				167500	167300	167500			
Frequency (MHz)				826.5	836.5	846.5		(dBm)	
5	QPSK	1	1	22.72	22.79	22.73	24.0	0.0	

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [MHz]	Power Middle Ch. / Freq. [MHz]	Power High Ch. / Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel				16680	16700	16780	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.68	22.77	22.63	23.5	0.5
20	PI2 BPSK	1	53	22.60	22.74	22.59		
20	PI2 BPSK	1	104	22.62	22.70	22.55	24.0	0.0
20	PI2 BPSK	50	0	22.28	22.33	22.32		
20	PI2 BPSK	50	26	22.70	22.76	22.61	23.5	0.5
20	PI2 BPSK	50	56	22.15	22.28	22.19		
20	PI2 BPSK	100	0	22.20	22.35	22.34	24.0	0.0
20	QPSK	1	1	22.75	22.80	22.72		
20	QPSK	1	53	22.66	22.73	22.61	23.0	1.0
20	QPSK	1	104	22.73	22.75	22.63		
20	QPSK	50	0	21.84	21.86	21.74	24.0	0.0
20	QPSK	50	26	22.62	22.77	22.57		
20	QPSK	50	56	21.82	21.86	21.85	23.0	1.0
20	QPSK	100	0	21.75	21.90	21.78		
20	16QAM	1	1	21.87	21.86	21.86	21.5	2.5
20	64QAM	1	1	20.35	20.38	20.25		
20	256QAM	1	1	18.43	18.45	18.34	19.5	4.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	22.70	22.73	22.61		
Channel				166800	167300	168800	24.0	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.73	22.63	24.0	0.0
Channel				166300	167300	168300		
Frequency (MHz)				836.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	22.70	22.70	22.57		

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [MHz]	Power Middle Ch. / Freq. [MHz]	Power High Ch. / Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel				50900	50700	51000	24.0	0.0
Frequency (MHz)				2500	2535	2500		
40	PI2 BPSK	1	1	23.32	23.40	23.28	23.5	0.5
40	PI2 BPSK	1	108	23.24	23.32	23.20		
40	PI2 BPSK	1	214	23.36	23.39	23.29	23.5	0.5
40	PI2 BPSK	108	0	22.78	22.85	22.75		
40	PI2 BPSK	108	54	23.30	23.34	23.31	24.0	0.0
40	PI2 BPSK	108	108	22.77	22.88	22.86		
40	PI2 BPSK	216	0	22.85	22.90	22.88	24.0	0.0
40	QPSK	1	1	23.44	23.45	23.42		
40	QPSK	1	108	23.30	23.39	23.24	23.0	1.0
40	QPSK	1	214	23.23	23.33	23.21		
40	QPSK	108	0	22.32	22.39	22.34	24.0	0.0
40	QPSK	108	54	23.35	23.41	23.35		
40	QPSK	108	108	22.32	22.38	22.36	23.0	1.0
40	QPSK	216	0	22.25	22.35	22.28		
40	16QAM	1	1	22.29	22.40	22.37	21.5	2.5
40	64QAM	1	1	20.86	20.93	20.84		
40	256QAM	1	1	18.77	18.88	18.73	19.5	4.5
Channel				503000	507000	510000		
Frequency (MHz)				2517.5	2535	2552.5	24.0	0.0
35	QPSK	1	1	23.32	23.39	23.31		
Channel				503000	507000	511000	24.0	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.35	23.40	23.39	24.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0
25	QPSK	1	1	23.29	23.30	23.31		
Channel				502000	507000	512000	24.0	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.39	23.39	23.31	24.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	23.5	0.5
15	QPSK	1	1	23.33	23.31	23.30		
Channel				501000	507000	513000	24.0	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.37	23.30	23.32	24.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0
5	QPSK	1	1	23.36	23.31	23.31		

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [MHz]	Power Middle Ch. / Freq. [MHz]	Power High Ch. / Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel				50900	50700	51000	23.5	0.0
Frequency (MHz)				2500	2535	2500		
40	PI2 BPSK	1	1	22.58	22.63	22.59	22.6	0.0
40	PI2 BPSK	1	108	22.62	22.70	22.56		
40	PI2 BPSK	1	214	22.62	22.73	22.66	22.6	0.0
40	PI2 BPSK	108	0	22.61	22.74	22.69		
40	PI2 BPSK	108	54	22.56	22.68	22.56	23.5	0.0
40	PI2 BPSK	108	108	22.58	22.70	22.61		
40	PI2 BPSK	216	0	22.53	22.65	22.56	23.5	0.0
40	QPSK	1	1	22.68	22.75	22.70		
40	QPSK	1	108	22.65	22.68	22.61	23.0	0.5
40	QPSK	1	214	22.57	22.60	22.64		
40	QPSK	108	0	22.21	22.32	22.26	24.0	0.0
40	QPSK	108	54	22.65	22.69	22.63		
40	QPSK	108	108	22.18	22.29	22.14	23.0	0.5
40	QPSK	216	0	22.28	22.32	22.30		
40	16QAM	1	1	22.23	22.25	22.23	23.0	0.5
40	64QAM	1	1	20.54	20.65	20.61		
40	256QAM	1	1	18.59	18.66	18.57	19.5	4.0
Channel				503000	507000	510000		
Frequency (MHz)				2517.5	2535	2552.5	22.6	0.0
35	QPSK	1	1	22.56	22.63	22.61		
Channel				503000	507000	511000	22.6	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.60	22.69	22.65	22.6	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	23.5	0.0
25	QPSK	1	1	22.64	22.62	22.62		
Channel				502000	507000	512000	22.6	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.67	22.63	22.60	23.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	22.6	0.0
15	QPSK	1	1	22.59	22.65	22.64		
Channel				501000	507000	513000	22.6	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.63	22.73	22.57	23.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	22.6	0.0
5	QPSK	1	1	22.56	22.61	22.64		



n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				143300	141500	141700	24.0	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	Pliz BPSK	1	1	22.92	23.05	22.91			
15	Pliz BPSK	1	40	23.01	23.08	22.99			
15	Pliz BPSK	1	77	22.90	23.01	22.97	23.5	0.5	
15	Pliz BPSK	36	0	22.49	22.59	22.56	23.5	0.5	
15	Pliz BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	Pliz BPSK	36	43	22.49	22.60	22.45	23.5	0.5	
15	Pliz BPSK	75	0	22.46	22.52	22.43	24.0	0.0	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90			
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.90	22.02	22.00	23.0	1.0	
15	QPSK	36	22	22.95	23.06	22.93	24.0	0.0	
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.96	21.83	23.0	1.0	
15	8QAM	1	1	21.94	22.08	21.99			
15	8QAM	1	1	20.80	20.72	20.64			
15	256QAM	1	1	18.84	18.55	18.54		19.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.0	0.0	
10	QPSK	1	1	22.99	22.96	22.82			
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.0	0.0	
5	QPSK	1	1	22.95	23.02	22.89			

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.0	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	Pliz BPSK	1	1	22.72	22.85	22.79			
15	Pliz BPSK	1	40	22.68	22.80	22.74			
15	Pliz BPSK	1	77	22.73	22.78	22.69	23.5	0.5	
15	Pliz BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	Pliz BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	Pliz BPSK	36	43	22.33	22.48	22.36	23.5	0.5	
15	Pliz BPSK	75	0	22.32	22.45	22.35	24.0	0.0	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77			
15	QPSK	1	77	22.88	22.81	22.75			
15	QPSK	36	0	21.85	21.86	21.79	23.0	1.0	
15	QPSK	36	22	22.72	22.86	22.84	24.0	0.0	
15	QPSK	36	43	21.73	21.84	21.76	23.0	1.0	
15	QPSK	75	0	21.80	21.81	21.78	23.0	1.0	
15	8QAM	1	1	21.72	21.75	21.60			
15	8QAM	1	1	20.28	20.39	20.31			
15	256QAM	1	1	18.35	18.40	18.32		19.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.0	0.0	
10	QPSK	1	1	22.78	22.84	22.73			
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.0	0.0	
5	QPSK	1	1	22.71	22.83	22.78			

n14_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				158300	158500	158700	24.0	0.0	
Frequency (MHz)				793	795	797			
10	Pliz BPSK	1	1	23.30	23.30	23.30			
10	Pliz BPSK	1	26	23.22	23.22	23.22			
10	Pliz BPSK	1	60	23.28	23.28	23.28	23.5	0.5	
10	Pliz BPSK	25	0	22.75	22.75	22.75	24.0	0.0	
10	Pliz BPSK	25	14	23.25	23.25	23.25	24.0	0.0	
10	Pliz BPSK	25	27	22.77	22.77	22.77	23.5	0.5	
10	Pliz BPSK	50	0	22.72	22.72	22.72	24.0	0.0	
10	QPSK	1	1	23.37	23.37	23.37			
10	QPSK	1	26	23.30	23.30	23.30			
10	QPSK	1	50	23.33	23.33	23.33			
10	QPSK	25	0	23.05	23.05	23.05	23.0	1.0	
10	QPSK	25	14	23.25	23.25	23.25	24.0	0.0	
10	QPSK	25	27	22.10	22.10	22.10	23.0	1.0	
10	QPSK	50	0	22.02	22.02	22.02	23.0	1.0	
10	8QAM	1	1	22.99	22.99	22.99	21.5	2.5	
10	8QAM	1	1	20.88	20.88	20.88	19.5	4.5	
10	256QAM	1	1	18.90	18.90	18.90	24.0	0.0	
Channel				158100	158600	159100			
Frequency (MHz)				791.5	794	796.5			
5	QPSK	1	1	23.32	23.29	23.25			



n14_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158000				
Frequency (MHz)				795				
10	Pl2 BPSK	1	1		23.00			
10	Pl2 BPSK	1	26		23.02		24.0	0.0
10	Pl2 BPSK	1	50		22.96		23.5	0.5
10	Pl2 BPSK	25	0	22.58			24.0	0.0
10	Pl2 BPSK	25	14	22.99			23.5	0.5
10	Pl2 BPSK	25	27	22.50				
10	Pl2 BPSK	50	0	22.54				
10	QPSK	1	1		23.07			
10	QPSK	1	26		23.03		24.0	0.0
10	QPSK	1	50		23.00			
10	QPSK	25	0	22.10			23.0	1.0
10	QPSK	25	14	22.96			24.0	0.0
10	QPSK	25	27	22.02				
10	QPSK	50	0	22.07			23.0	1.0
10	16QAM	1	1		22.80		23.0	1.0
10	64QAM	1	1		20.44		21.5	2.5
10	256QAM	1	1		18.50		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				795.5	795	795.5	24.0	0.0
5	QPSK	1	1	22.90	22.95	22.85		

n25_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	Pl2 BPSK	1	1	23.29	23.44	23.43		
40	Pl2 BPSK	1	108	23.34	23.40	23.27	24.0	0.0
40	Pl2 BPSK	1	214	23.24	23.37	23.34		
40	Pl2 BPSK	108	0	22.83	22.98	22.95	23.5	0.5
40	Pl2 BPSK	108	54	23.33	23.48	23.34	24.0	0.0
40	Pl2 BPSK	108	108	22.75	22.90	22.87		
40	Pl2 BPSK	216	0	22.84	22.95	22.81	23.5	0.5
40	QPSK	1	1	23.45	23.50	23.37		
40	QPSK	1	108	23.32	23.41	23.34	24.0	0.0
40	QPSK	1	214	23.31	23.45	23.33		
40	QPSK	108	0	22.47	22.50	22.38	23.0	1.0
40	QPSK	108	54	23.25	23.44	23.25	24.0	0.0
40	QPSK	108	108	22.34	22.42	22.37		
40	QPSK	216	0	22.40	22.45	22.43	23.0	1.0
40	16QAM	1	1	22.32	22.47	22.41	23.0	1.0
40	64QAM	1	1	20.88	21.00	20.88	21.5	2.5
40	256QAM	1	1	18.88	18.92	18.79	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.34	23.44	23.26	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.38	23.39	23.29	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.31	23.38	23.25	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.33	23.43	23.30	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.37	23.39	23.28	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.39	23.44	23.26	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.31	23.35	23.30	24.0	0.0

n25_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374500	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	Pl2 BPSK	1	1	23.12	23.25	23.23		
40	Pl2 BPSK	1	108	23.18	23.23	23.12	24.0	0.0
40	Pl2 BPSK	1	214	23.15	23.24	23.23		
40	Pl2 BPSK	108	0	23.00	23.04	22.91	23.5	0.5
40	Pl2 BPSK	108	54	23.32	23.35	23.33	24.0	0.0
40	Pl2 BPSK	108	108	22.84	23.05	22.93		
40	Pl2 BPSK	216	0	22.83	22.97	22.82	23.5	0.5
40	QPSK	1	1	23.37	23.40	23.34		
40	QPSK	1	108	23.26	23.38	23.31	24.0	0.0
40	QPSK	1	214	23.28	23.36	23.27		
40	QPSK	108	0	22.36	22.47	22.43	23.0	1.0
40	QPSK	108	54	23.25	23.33	23.25	24.0	0.0
40	QPSK	108	108	22.32	22.45	22.32		
40	QPSK	216	0	22.39	22.42	22.29	23.0	1.0
40	16QAM	1	1	22.34	22.40	22.30	23.0	1.0
40	64QAM	1	1	20.88	20.90	20.77	21.5	2.5
40	256QAM	1	1	18.82	18.88	18.74	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.18	23.23	23.15	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.21	23.22	23.18	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.22	23.22	23.18	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.25	23.24	23.22	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.27	23.20	23.21	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.27	23.25	23.24	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.26	23.27	23.15	24.0	0.0



n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				831.5	831.5	836			
20	Pliz BPSK	1	1	22.88	22.93	23.02	24.0	0.0	
20	Pliz BPSK	1	53	22.84	22.76	22.90			
20	Pliz BPSK	1	104	22.93	22.93	22.96			
20	Pliz BPSK	50	0	22.44	22.43	22.47			
20	Pliz BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	Pliz BPSK	50	56	22.39	22.45	22.52	23.5	0.5	
20	Pliz BPSK	100	0	22.40	22.47	22.50			
20	QPSK	1	1	23.03	23.01	23.05	24.0	0.0	
20	QPSK	1	53	23.01	22.95	23.04			
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07			
20	QPSK	50	28	22.91	22.96	22.96	24.0	0.0	
20	QPSK	50	56	22.07	21.96	22.10	23.0	1.0	
20	QPSK	100	0	22.02	21.99	22.05			
20	16QAM	1	1	21.89	21.95	22.00	23.0	1.0	
20	64QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.94	22.95	22.98	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	836			
20	Pliz BPSK	1	1	22.96	22.89	23.02	24.0	0.0	
20	Pliz BPSK	1	53	22.78	22.75	22.90			
20	Pliz BPSK	1	104	22.91	22.95	22.96			
20	Pliz BPSK	50	0	22.34	22.36	22.47			
20	Pliz BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	Pliz BPSK	50	56	22.39	22.50	22.52	23.5	0.5	
20	Pliz BPSK	100	0	22.40	22.35	22.50			
20	QPSK	1	1	22.97	23.01	23.05	24.0	0.0	
20	QPSK	1	53	22.93	22.94	23.04			
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.99	22.07			
20	QPSK	50	28	22.95	22.91	22.95	24.0	1.0	
20	QPSK	50	56	22.02	21.95	22.10	23.0	1.0	
20	QPSK	100	0	21.96	21.95	22.05			
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	64QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				834.5	831.5	836.5			
20	Pliz BPSK	1	1	22.76	22.79	22.87	24.0	0.0	
20	Pliz BPSK	1	53	22.81	22.80	22.85			
20	Pliz BPSK	1	104	22.74	22.77	22.79			
20	Pliz BPSK	50	0	22.50	22.47	22.52			
20	Pliz BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	Pliz BPSK	50	56	22.38	22.32	22.42	23.5	0.5	
20	Pliz BPSK	100	0	22.33	22.37	22.44			
20	QPSK	1	1	22.97	22.87	22.88	24.0	0.0	
20	QPSK	1	53	22.75	22.70	22.80			
20	QPSK	1	104	22.84	22.84	22.77			
20	QPSK	50	0	21.77	21.75	21.90			
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95	23.0	1.0	
20	QPSK	100	0	21.84	21.76	21.90			
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	64QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.85			
20	Pl2 BPSK	1	104	22.75	22.74	22.76	23.5	0.5	
20	Pl2 BPSK	50	0	22.49	22.40	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42	23.5	0.5	
20	Pl2 BPSK	100	0	22.33	22.32	22.44	23.5	0.5	
20	QPSK	1	1	22.60	22.78	22.88	24.0	0.0	
20	QPSK	1	53	22.65	22.71	22.80			
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.81	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.76	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95	23.0	1.0	
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	8QAM	1	1	21.76	21.73	21.88	23.0	1.0	
20	8QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	838.5	24.0	0.0	
15	QPSK	1	1	22.72	22.69	22.83	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.75	22.67	22.78	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			24.0	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1		23.42					23.5	0.5	0.0
10	Pl2 BPSK	1	26		23.38							
10	Pl2 BPSK	1	50		23.47							
10	Pl2 BPSK	25	0		23.01							
10	Pl2 BPSK	25	14		23.48		24.0	0.0				
10	Pl2 BPSK	25	27		23.05		23.5	0.5				
10	Pl2 BPSK	50	0		23.03		24.0	0.0				
10	QPSK	1	1		23.50		24.0	0.0				
10	QPSK	1	26		23.45							
10	QPSK	1	50		23.47							
10	QPSK	25	0		22.46		23.0	1.0				
10	QPSK	25	14		23.43		24.0	0.0				
10	QPSK	25	27		22.49		23.0	1.0				
10	QPSK	50	0		22.45		23.0	1.0				
10	16QAM	1	1		22.48		21.5	2.5				
10	16QAM	1	1		20.96		19.5	4.5				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0				
5	QPSK	1	1	23.45	23.49	23.41	24.0	0.0				

n30_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			23.5	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1		22.93							
10	Pl2 BPSK	1	26		22.93							
10	Pl2 BPSK	1	50		22.95		23.5	0.0				
10	Pl2 BPSK	25	0		22.97		23.5	0.0				
10	Pl2 BPSK	25	14		22.94		23.5	0.0				
10	Pl2 BPSK	25	27		22.91		23.5	0.0				
10	Pl2 BPSK	50	0		22.97		23.5	0.0				
10	QPSK	1	1		23.00		23.5	0.0				
10	QPSK	1	26		22.93							
10	QPSK	1	50		22.98							
10	QPSK	25	0		22.41		23.0	0.5				
10	QPSK	25	14		22.85		23.5	0.0				
10	QPSK	25	27		22.50		23.0	0.5				
10	QPSK	50	0		22.55		23.0	0.5				
10	16QAM	1	1		22.40		21.5	2.0				
10	16QAM	1	1		20.88		19.5	4.0				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	23.5	0.0				
5	QPSK	1	1	22.94	22.97	22.90	23.5	0.0				



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	348000	350000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.79	22.90	22.88			
40	Pl2 BPSK	1	108	22.77	22.85	22.78			
40	Pl2 BPSK	1	244	22.77	22.88	22.80	24.0	0.0	
40	Pl2 BPSK	108	0	22.68	22.79	22.66			
40	Pl2 BPSK	108	54	22.62	22.77	22.70			
40	Pl2 BPSK	108	108	22.72	22.85	22.83			
40	Pl2 BPSK	216	0	22.74	22.83	22.80	24.0	0.0	
40	QPSK	1	1	22.94	23.00	22.98			
40	QPSK	1	108	22.90	22.97	22.95		24.0	
40	QPSK	1	214	22.85	22.91	22.78			
40	QPSK	108	0	22.71	22.84	22.82			
40	QPSK	108	54	22.81	22.90	22.88	24.0	0.0	
40	QPSK	108	108	22.75	22.88	22.87			
40	QPSK	216	0	22.88	22.92	22.80			
40	8QAM	1	1	22.86	22.96	22.89	24.0	0.0	
40	8QAM	1	1	21.43	21.45	21.36			
40	256QAM	1	1	19.27	19.42	19.28		20.5	
Channel				345000	349000	352500		Tune-up limit (dB)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	22.92	22.91	22.88		24.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.79	22.89	22.99	24.0	0.0	
Channel				345000	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.82	22.91	22.85		24.0	
Channel				343500	349000	354000			
Frequency (MHz)				1717.5	1745	1772.5			
20	QPSK	1	1	22.87	22.91	22.91	24.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.83	22.91	22.86	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.83	22.89	22.91	24.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.85	22.90	22.88		24.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	348000	350000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.98	23.00	22.87			
40	Pl2 BPSK	1	108	22.90	23.04	23.03			
40	Pl2 BPSK	1	244	22.82	22.95	22.92	24.0	0.0	
40	Pl2 BPSK	108	0	22.80	22.94	22.85			
40	Pl2 BPSK	108	54	22.91	22.96	22.91			
40	Pl2 BPSK	108	108	22.86	22.95	22.88			
40	Pl2 BPSK	216	0	22.84	22.92	22.77	24.0	0.0	
40	QPSK	1	1	22.98	23.06	22.98			
40	QPSK	1	108	22.85	22.96	22.84		24.0	
40	QPSK	1	214	22.83	22.91	22.85			
40	QPSK	108	0	22.83	22.95	22.87			
40	QPSK	108	54	22.97	23.05	23.02	24.0	0.0	
40	QPSK	108	108	22.93	22.94	22.87			
40	QPSK	216	0	22.90	22.97	22.87			
40	8QAM	1	1	22.80	22.90	22.85	24.0	0.0	
40	8QAM	1	1	21.38	21.48	21.35			
40	256QAM	1	1	19.37	19.45	19.31		20.5	
Channel				345000	349000	352500			
Frequency (MHz)				1722.5	1745	1762.5		Tune-up limit (dB)	
35	QPSK	1	1	22.91	22.91	22.84			
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.91	22.99	22.84	24.0	0.0	
Channel				345000	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.82	22.93	22.83		24.0	
Channel				343500	349000	354000			
Frequency (MHz)				1717.5	1745	1772.5			
20	QPSK	1	1	22.83	22.99	22.84	24.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.88	22.97	22.92	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.83	22.91	22.92	24.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.88	22.94	22.93		24.0	

n70_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	348000	350000	24.0	0.0	
Frequency (MHz)				1702.5					
15	Pl2 BPSK	1	1		23.88				
15	Pl2 BPSK	1	40		23.63				
15	Pl2 BPSK	1	77		23.60		23.5	0.5	
15	Pl2 BPSK	36	0		23.19	22.85			
15	Pl2 BPSK	36	22		23.62				
15	Pl2 BPSK	36	43		23.10				
15	Pl2 BPSK	75	0		23.15		23.5	0.5	
15	QPSK	1	1		23.70				
15	QPSK	1	40		23.62				
15	QPSK	1	77		23.65		24.0	0.0	
15	QPSK	36	0		22.60				
15	QPSK	36	22		23.05				
15	QPSK	36	43		22.70				
15	QPSK	75	0		22.67		23.0	1.0	
15	8QAM	1	1		22.59				
15	8QAM	1	1		21.20				
15	256QAM	1	1		19.20			19.5	
Channel				349000	349500	341000			
Frequency (MHz)				1800	1702.5	1705			
10	QPSK	1	1	23.67	23.63	23.64	24.0	0.0	
Channel				339500	340500	341500			
Frequency (MHz)				1807.5	1702.5	1707.5			
5	QPSK	1	1	23.52	23.52	23.58			



n70_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				340000			24.0	0.0				
Frequency (MHz)				1702.5								
15	Pl2 BPSK	1	1	22.95								
15	Pl2 BPSK	1	49	22.88								
15	Pl2 BPSK	1	77	22.90			23.5	0.5				
15	Pl2 BPSK	36	0	22.45			24.0	0.0				
15	Pl2 BPSK	36	22	22.96			24.0	0.0				
15	Pl2 BPSK	36	43	22.42			23.5	0.5				
15	Pl2 BPSK	76	0	22.50			24.0	0.0				
15	QPSK	1	1	23.00								
15	QPSK	1	49	22.90								
15	QPSK	1	77	22.94								
15	QPSK	36	0	22.06			23.0	1.0				
15	QPSK	36	22	22.92			24.0	0.0				
15	QPSK	36	43	22.02			23.0	1.0				
15	QPSK	76	0	22.00			23.0	1.0				
15	16QAM	1	1	22.08			23.0	1.0				
15	64QAM	1	1	20.55			21.5	2.5				
15	256QAM	1	1	18.60			19.5	4.5				
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1700	1702.5	1705	24.0	0.0				
10	QPSK	1	1	22.91	22.95	22.98	24.0	0.0				
Channel				336000	340500	341500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1687.5	1702.5	1707.5	24.0 <td colspan="2">0.0</td>	0.0				
5	QPSK	1	1	22.87	22.91	22.77	24.0	0.0				

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134000	134100	134200	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1	23.03	23.03	23.07			
20	Pl2 BPSK	1	53	22.91	23.04	23.01			
20	Pl2 BPSK	1	104	23.06	23.02	23.02	23.5	0.5	
20	Pl2 BPSK	50	0	22.72	22.80	22.89	23.5	0.5	
20	Pl2 BPSK	50	28	23.06	23.03	23.04	24.0	0.0	
20	Pl2 BPSK	50	56	22.68	22.61	22.63	23.5	0.5	
20	Pl2 BPSK	100	0	22.62	22.55	22.55	24.0	0.0	
20	QPSK	1	1	23.07	23.14	23.10			
20	QPSK	1	53	23.05	23.04	22.96			
20	QPSK	1	104	23.03	23.12	22.88			
20	QPSK	50	0	22.08	22.15	22.09	23.0	1.0	
20	QPSK	50	28	22.97	23.10	23.07	24.0	0.0	
20	QPSK	50	56	22.14	22.11	22.13	23.0	1.0	
20	QPSK	100	0	22.03	22.05	22.03	23.0	1.0	
20	16QAM	1	1	22.03	22.15	22.02	23.0	1.0	
20	16QAM	1	1	20.57	20.68	20.61	21.5	2.5	
20	256QAM	1	1	18.63	18.68	18.55	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5	24.0	0.0	
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.0	0.0	
10	QPSK	1	1	22.08	23.06	22.96	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5	24.0	0.0	
5	QPSK	1	1	22.96	23.03	22.99	24.0	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	134100	133600	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1	22.72	22.82	22.79			
20	Pl2 BPSK	1	53	22.69	22.75	22.74			
20	Pl2 BPSK	1	104	22.69	22.80	22.65	23.5	0.5	
20	Pl2 BPSK	50	0	22.34	22.44	22.36	24.0	0.0	
20	Pl2 BPSK	50	28	22.79	22.80	22.78	24.0	0.0	
20	Pl2 BPSK	50	56	22.36	22.39	22.35	23.5	0.5	
20	Pl2 BPSK	100	0	22.32	22.33	22.34	24.0	0.0	
20	QPSK	1	1	22.77	22.85	22.75			
20	QPSK	1	53	22.68	22.77	22.73			
20	QPSK	1	104	22.69	22.83	22.69			
20	QPSK	50	0	21.79	21.89	21.84	23.0	1.0	
20	QPSK	50	28	22.72	22.80	22.71	24.0	0.0	
20	QPSK	50	56	21.87	21.90	21.83	23.0	1.0	
20	QPSK	100	0	21.73	21.82	21.67	23.0	1.0	
20	16QAM	1	1	21.83	21.86	21.76	23.0	1.0	
20	16QAM	1	1	20.37	20.39	20.33	21.5	2.5	
20	256QAM	1	1	18.30	18.40	18.32	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5	24.0	0.0	
15	QPSK	1	1	22.67	22.75	22.68	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.0	0.0	
10	QPSK	1	1	22.66	22.74	22.63	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5	24.0	0.0	
5	QPSK	1	1	22.66	22.78	22.63	24.0	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	518030	519998			
				2580.02	2585	2589.98			
40	Pl2 BPSK	1	1	22.94	23.05	22.99			
40	Pl2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0	
40	Pl2 BPSK	1	104	22.80	22.82	22.79			
40	Pl2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0	
40	Pl2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0	
40	Pl2 BPSK	50	56	22.68	22.75	22.60			
40	Pl2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0	
40	QPSK	1	1	23.04	23.10	23.08			
40	QPSK	1	53	22.92	23.02	22.90	24.0	0.0	
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5	
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0	
40	QPSK	50	56	22.15	22.30	22.24	23.5	0.5	
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5	
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5	
40	64QAM	1	1	20.85	20.96	20.81	22.0	2.0	
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0	
Channel									
Frequency (MHz)				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
				2580.01	2585	2584.99			
30	QPSK	1	1	22.93	23.03	22.97	24.0	0.0	
Channel									
Frequency (MHz)				518004	519000	521498	Tune-up limit (dBm)	MPR (dB)	
				2582.52	2585	2607.48			
25	QPSK	1	1	22.93	23.02	22.96	24.0	0.0	
Channel									
Frequency (MHz)				518002	518000	522000	Tune-up limit (dBm)	MPR (dB)	
				2580	2585	2610			
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0	
Channel									
Frequency (MHz)				515602	518000	522498	Tune-up limit (dBm)	MPR (dB)	
				2574.51	2585	2612.49			
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)				2575.02	2585	2614.98	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2585	2614.98			
10	QPSK	1	1	22.99	23.01	22.94	24.0	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	518000	519996			
				2580.02	2585	2589.98			
40	Pl2 BPSK	1	1	22.92	23.00	22.86			
40	Pl2 BPSK	1	53	22.91	22.92	22.78	24.0	0.0	
40	Pl2 BPSK	1	104	22.84	22.75	22.64			
40	Pl2 BPSK	50	0	22.86	22.96	22.92	24.0	0.0	
40	Pl2 BPSK	50	28	22.87	22.92	22.82	24.0	0.0	
40	Pl2 BPSK	50	56	22.72	22.80	22.74			
40	Pl2 BPSK	100	0	22.87	22.88	22.80	24.0	0.0	
40	QPSK	1	1	23.00	23.05	23.05			
40	QPSK	1	53	22.80	22.90	22.83	24.0	0.0	
40	QPSK	1	104	22.82	22.77	22.75			
40	QPSK	50	0	22.43	22.45	22.36	23.5	0.5	
40	QPSK	50	28	22.76	22.82	22.71	24.0	0.0	
40	QPSK	50	56	22.36	22.40	22.38	23.5	0.5	
40	QPSK	100	0	22.37	22.38	22.29	23.5	0.5	
40	16QAM	1	1	22.36	22.38	22.25	23.5	0.5	
40	64QAM	1	1	20.78	20.90	20.75	22.0	2.0	
40	256QAM	1	1	18.84	18.85	18.83	20.0	4.0	
Channel									
Frequency (MHz)				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
				2580.01	2585	2584.99			
30	QPSK	1	1	22.14	22.90	22.88	24.0	0.0	
Channel									
Frequency (MHz)				518004	519000	521498	Tune-up limit (dBm)	MPR (dB)	
				2582.52	2585	2607.48			
25	QPSK	1	1	22.75	23.00	22.85	24.0	0.0	
Channel									
Frequency (MHz)				518002	518000	522000	Tune-up limit (dBm)	MPR (dB)	
				2580	2585	2610			
20	QPSK	1	1	22.84	22.90	22.90	24.0	0.0	
Channel									
Frequency (MHz)				515602	518000	522498	Tune-up limit (dBm)	MPR (dB)	
				2574.51	2585	2612.49			
15	QPSK	1	1	22.77	22.90	22.88	24.0	0.0	
Channel									
Frequency (MHz)				518004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2585	2614.98			
10	QPSK	1	1	22.83	22.90	22.89	24.0	0.0	

FCC_n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506002	518000	528000			
				2546.01	2582.99	2640			
100	Pl2 BPSK	1	1	23.26	23.41	23.30			
100	Pl2 BPSK	1	137	23.28	23.35	23.23	24.0	0.0	
100	Pl2 BPSK	1	271	23.32	23.34	23.25			
100	Pl2 BPSK	135	0	23.25	23.34	23.27	24.0	0.0	
100	Pl2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0	
100	Pl2 BPSK	135	138	23.27	23.42	23.33			
100	Pl2 BPSK	270	0	23.32	23.40	23.27	24.0	0.0	
100	QPSK	1	1	23.38	23.45	23.31			
100	QPSK	1	137	23.29	23.38	23.30	24.0	0.0	
100	QPSK	1	271	23.19	23.34	23.27			
100	QPSK	135	0	23.22	23.31	23.24	24.0	0.0	
100	QPSK	135	69	23.16	23.35	23.13	24.0	0.0	
100	QPSK	135	138	23.24	23.36	23.29			
100	QPSK	270	0	23.40	23.42	23.28	24.0	0.0	
100	16QAM	1	1	23.30	23.37	23.31	24.0	0.0	
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0	
100	256QAM	1	1	21.83	21.95	21.87	22.5	1.5	
Channel									
Frequency (MHz)				5061	2582.99	2644.98			
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0	
Channel									
Frequency (MHz)				507204	518000	529998	Tune-up limit (dBm)	MPR (dB)	
				2536.02	2582.99	2649.98			
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0	
Channel									
Frequency (MHz)				506002	518000	531000	Tune-up limit (dBm)	MPR (dB)	
				2536.02	2582.99	2650			
70	QPSK	1	1	23.26	23.33	23.16	24.0	0.0	
Channel									
Frequency (MHz)				505200	518000	531998	Tune-up limit (dBm)	MPR (dB)	
				2536.02	2582.99	2650.98			
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0	
Channel									
Frequency (MHz)				504204	518000	530998	Tune-up limit (dBm)	MPR (dB)	
				2536.02	2582.99	2649.98			
50	QPSK	1	1	23.33	23.30	23.19	24.0	0.0	
Channel									
Frequency (MHz)				503200	518000	534000	Tune-up limit (dBm)	MPR (dB)	
				2531.01	2582.99	2670			
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0	
Channel									
Frequency (MHz)				502200	518000	534998	Tune-up limit (dBm)	MPR (dB)	
				2511	2582.99	2674.98			
30	QPSK	1	1	23.26	23.38	23.17	24.0	0.0	
Channel									
Frequency (MHz)				501204	518000	535998	Tune-up limit (dBm)	MPR (dB)	
				2512.02	2582.99	2679.98			
20	QPSK	1	1	23.37	23.37	23.17	24.0	0.0	
Channel									
Frequency (MHz)				500200	518000	536998	Tune-up limit (dBm)	MPR (dB)	
				2503.5	2582.99	2682.48			
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0	
Channel									
Frequency (MHz)				2501.01	2582.99	2685	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.31	23.38	23.22	24.0	0.0	



FCC_n41(HPUE)_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502002	518598	536200	27.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	Pl2 BPSK	1	1	26.17	26.30	26.22	27.0	0.0
100	Pl2 BPSK	1	137	25.89	26.02	25.95		
100	Pl2 BPSK	1	271	25.79	25.90	25.84	26.5	0.5
100	Pl2 BPSK	135	0	25.51	25.62	25.55		
100	Pl2 BPSK	135	69	25.88	26.01	25.95	27.0	0.0
100	Pl2 BPSK	135	138	25.18	25.33	25.26	26.5	0.5
100	Pl2 BPSK	270	0	25.37	25.52	25.44		
100	QPSK	1	1	25.17	25.32	25.23	27.0	0.0
100	QPSK	1	137	25.85	25.98	25.91		
100	QPSK	1	271	25.82	25.94	25.86	26.0	1.0
100	QPSK	135	0	25.07	25.10	25.01		
100	QPSK	135	69	25.96	25.98	25.92	27.0	0.0
100	QPSK	135	138	25.03	25.05	25.08	26.0	1.0
100	QPSK	270	0	24.85	25.08	25.00		
100	16QAM	1	1	25.14	25.25	25.16	26.0	1.0
100	8QAM	1	1	23.62	23.72	23.62	24.5	2.5
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5
Channel				506200	518598	526660	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2641.98	27.0	0.0
QPSK				25.04	25.18	25.18		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2648.99	27.0	0.0
QPSK				26.07	26.22	26.18		
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	27.0	0.0
QPSK				26.08	26.17	26.10		
Channel				509200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498	2592.99	2648.98	27.0	0.0
QPSK				26.08	26.20	26.16		
Channel				504204	518598	530998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2654.98	27.0	0.0
QPSK				26.10	26.20	26.18		
Channel				502002	518598	536200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	27.0	0.0
QPSK				26.02	26.25	26.09		
Channel				502200	518598	536400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	27.0	0.0
QPSK				26.06	26.27	26.15		
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.51	2592.99	2677.5	27.0	0.0
QPSK				26.03	26.25	26.25		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2678.98	27.0	0.0
QPSK				26.08	26.17	26.18		
Channel				501000	518598	535600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	27.0	0.0
QPSK				26.04	26.24	26.09		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2494.91	2592.99	2685	27.0	0.0
QPSK				26.05	26.26	26.12		

FCC_n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel				500202	518598	536900			
Frequency (MHz)				2566.01	2592.99	2646			
100	P12 BPSK	1	1	23.31	23.41	23.33			
100	P12 BPSK	1	137	23.33	23.39	23.29	24.0	0.0	
100	P12 BPSK	1	271	23.32	23.31	23.28			
100	P12 BPSK	135	0	23.26	23.30	23.15	24.0	0.0	
100	P12 BPSK	135	69	23.21	23.33	23.31	24.0	0.0	
100	P12 BPSK	135	138	23.24	23.35	23.21	24.0	0.0	
100	P12 BPSK	270	0	23.32	23.38	23.21			
100	QPSK	1	1	23.33	23.30	23.41			
100	QPSK	1	137	23.32	23.33	23.25	24.0	0.0	
100	QPSK	1	271	23.29	23.39	23.30			
100	QPSK	135	0	23.27	23.36	23.21	24.0	0.0	
100	QPSK	135	69	23.33	23.38	23.17	24.0	0.0	
100	QPSK	135	138	23.14	23.27	23.22			
100	QPSK	270	0	23.26	23.38	23.24	24.0	0.0	
100	16QAM	1	1	23.23	23.35	23.24	24.0	0.0	
100	64QAM	1	1	23.29	23.34	23.31	24.0	0.0	
100	256QAM	1	1	21.88	22.00	21.90	23.0	1.0	
Channel				506200	518598	526996			MFR
Frequency (MHz)				2541	2592.99	2644.98			(dB)
90	QPSK	1	1	23.33	23.41	23.29	24.0	0.0	
Channel				507204	518598	529996			MFR
Frequency (MHz)				2536.02	2592.99	2649.99			(dB)
80	QPSK	1	1	23.31	23.35	23.32	24.0	0.0	
Channel				502002	518598	537000			MFR
Frequency (MHz)				2531.01	2592.99	2655			(dB)
70	QPSK	1	1	23.33	23.43	23.30	24.0	0.0	
Channel				505200	518598	531996			MFR
Frequency (MHz)				2524	2592.99	2658.98			(dB)
60	QPSK	1	1	23.25	23.44	23.29	24.0	0.0	
Channel				504204	518598	532996			MFR
Frequency (MHz)				2521.02	2592.99	2664.99			(dB)
50	QPSK	1	1	23.30	23.33	23.29	24.0	0.0	
Channel				503202	518598	534000			MFR
Frequency (MHz)				2516.01	2592.99	2670			(dB)
40	QPSK	1	1	23.24	23.40	23.26	24.0	0.0	
Channel				502200	518598	535996			MFR
Frequency (MHz)				2511	2592.99	2674.98			(dB)
30	QPSK	1	1	23.29	23.42	23.36	24.0	0.0	
Channel				501702	518598	535900			MFR
Frequency (MHz)				2508.01	2592.99	2677.5			(dB)
25	QPSK	1	1	23.30	23.40	23.30	24.0	0.0	
Channel				501204	518598	535996			MFR
Frequency (MHz)				2506.02	2592.99	2679.99			(dB)
20	QPSK	1	1	23.30	23.40	23.36	24.0	0.0	
Channel				507000	518598	535900			MFR
Frequency (MHz)				2503.5	2592.99	2682.48			(dB)
15	QPSK	1	1	23.24	23.42	23.32	24.0	0.0	
Channel				500202	518598	537000			MFR
Frequency (MHz)				2493.01	2592.99	2686			(dB)
10	QPSK	1	1	23.32	23.43	23.30	24.0	0.0	

FCC_n41(HPUE)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel				500202	518598	526900			
Frequency (MHz)				2546.01	2592.99	2650			
100	P12 BPSK	1	1	26.12	26.20	26.10			
100	P12 BPSK	1	137	25.89	25.98	25.89	27.0	0.0	
100	P12 BPSK	1	271	25.74	25.81	25.72			
100	P12 BPSK	135	0	25.96	26.06	25.96	27.0	0.0	
100	P12 BPSK	135	69	25.92	25.99	25.89	27.0	0.0	
100	P12 BPSK	135	138	25.84	25.90	25.80	27.0	0.0	
100	P12 BPSK	270	0	25.95	26.00	25.92			
100	QPSK	1	1	25.17	25.23	25.15			
100	QPSK	1	137	25.82	25.91	25.83	27.0	0.0	
100	QPSK	1	271	25.75	25.83	25.76			
100	QPSK	135	0	25.92	25.97	25.86	26.5	0.5	
100	QPSK	135	69	25.91	25.91	25.81	27.0	0.0	
100	QPSK	135	138	25.37	25.43	25.31	26.5	0.5	
100	QPSK	270	0	25.46	25.52	25.43			
100	16QAM	1	1	25.33	25.62	25.52	26.5	0.5	
100	64QAM	1	1	24.13	24.21	24.12	25.0	2.0	
100	256QAM	1	1	22.20	22.26	22.16	23.0	4.0	
Channel				506200	518598	526996			MFR
Frequency (MHz)				2541	2592.99	2644.98			(dB)
90	QPSK	1	1	26.05	26.17	26.01	27.0	0.0	
Channel				507204	518598	529996			MFR
Frequency (MHz)				2536.02	2592.99	2649.99			(dB)
80	QPSK	1	1	26.09	26.13	26.04	27.0	0.0	
Channel				502002	518598	537000			MFR
Frequency (MHz)				2531.01	2592.99	2655			(dB)
70	QPSK	1	1	26.11	26.08	26.08	27.0	0.0	
Channel				505200	518598	531996			MFR
Frequency (MHz)				2524	2592.99	2658.98			(dB)
60	QPSK	1	1	26.11	26.13	26.03	27.0	0.0	
Channel				504204	518598	532996			MFR
Frequency (MHz)				2521.02	2592.99	2664.99			(dB)
50	QPSK	1	1	26.11	26.18	26.08	27.0	0.0	
Channel				503202	518598	534000			MFR
Frequency (MHz)				2516.01	2592.99	2670			(dB)
40	QPSK	1	1	26.02	26.14	26.06	27.0	0.0	
Channel				502200	518598	535996			MFR
Frequency (MHz)				2511	2592.99	2674.98			(dB)
30	QPSK	1	1	26.09	26.18	26.04	27.0	0.0	
Channel				501702	518598	535900			MFR
Frequency (MHz)				2508.01	2592.99	2677.5			(dB)
25	QPSK	1	1	26.11	26.20	26.11	27.0	0.0	
Channel				501204	518598	535996			MFR
Frequency (MHz)				2506.02	2592.99	2679.99			(dB)
20	QPSK	1	1	26.05	26.15	26.06	27.0	0.0	
Channel				507000	518598	535900			MFR
Frequency (MHz)				2503.5	2592.99	2682.48			(dB)
15	QPSK	1	1	26.10	26.10	26.02	27.0	0.0	
Channel				500202	518598	537000			MFR
Frequency (MHz)				2493.01	2592.99	2686			(dB)
10	QPSK	1	1	26.07	26.14	26.07	27.0	0.0	

Reduced Power Mode for DSI10

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	23.31	23.40	23.27	24.0	0.0	
40	Pl2 BPSK	1	108	23.28	23.33	23.21			
40	Pl2 BPSK	1	214	23.27	23.37	23.27			
40	Pl2 BPSK	108	0	22.77	22.92	22.83	23.5	0.5	
40	Pl2 BPSK	108	54	23.25	23.37	23.24	24.0	0.0	
40	Pl2 BPSK	108	108	22.92	23.00	22.93	23.5	0.5	
40	Pl2 BPSK	216	0	22.85	22.97	22.86	24.0	0.0	
40	QPSK	1	1	23.41	23.45	23.36			
40	QPSK	1	108	23.36	23.42	23.33			
40	QPSK	1	214	23.29	23.39	23.31	23.0	1.0	
40	QPSK	108	0	22.26	22.42	22.34			
40	QPSK	108	54	23.37	23.40	23.33			
40	QPSK	108	108	22.45	22.49	22.43	23.0	1.0	
40	QPSK	216	0	22.11	22.22	22.11	23.0	1.0	
40	8QAM	1	1	22.06	22.12	22.03			
40	8QAM	1	1	20.74	20.77	20.67	21.5	2.5	
40	25QAM	1	1	18.77	18.80	18.65	19.5	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	24.0	0.0	
35	QPSK	1	1	23.27	23.33	23.34	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	24.0	0.0	
30	QPSK	1	1	23.28	23.37	23.29	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	24.0	0.0	
25	QPSK	1	1	23.29	23.32	23.30	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	24.0	0.0	
20	QPSK	1	1	23.32	23.40	23.33	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	24.0	0.0	
15	QPSK	1	1	23.36	23.35	23.34	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	24.0	0.0	
10	QPSK	1	1	23.31	23.40	23.28	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	24.0	0.0	
5	QPSK	1	1	23.28	23.40	23.32	24.0	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	23.22	23.30	23.22	24.0	0.0	
40	Pl2 BPSK	1	108	23.14	23.18	23.16			
40	Pl2 BPSK	1	214	23.20	23.22	23.15			
40	Pl2 BPSK	108	0	22.67	22.80	22.75	23.5	0.5	
40	Pl2 BPSK	108	54	23.19	23.24	23.09	24.0	0.0	
40	Pl2 BPSK	108	108	22.86	22.91	22.88	23.5	0.5	
40	Pl2 BPSK	216	0	22.85	22.90	22.75	24.0	0.0	
40	QPSK	1	1	23.26	23.34	23.30			
40	QPSK	1	108	23.20	23.23	23.12			
40	QPSK	1	214	23.14	23.27	23.21	23.0	1.0	
40	QPSK	108	0	22.26	22.31	22.19			
40	QPSK	108	54	23.14	23.29	23.16			
40	QPSK	108	108	22.23	22.37	22.24	23.0	1.0	
40	QPSK	216	0	22.13	22.16	22.03	23.0	1.0	
40	8QAM	1	1	21.86	21.97	21.84			
40	8QAM	1	1	20.65	20.70	20.66	21.5	2.5	
40	25QAM	1	1	18.73	18.75	18.72	19.5	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	24.0	0.0	
35	QPSK	1	1	23.20	23.28	23.22	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	24.0	0.0	
30	QPSK	1	1	23.25	23.27	23.23	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	24.0	0.0	
25	QPSK	1	1	23.17	23.30	23.29	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	24.0	0.0	
20	QPSK	1	1	23.22	23.29	23.30	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	24.0	0.0	
15	QPSK	1	1	23.23	23.29	23.21	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	24.0	0.0	
10	QPSK	1	1	23.22	23.26	23.26	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	24.0	0.0	
5	QPSK	1	1	23.17	23.26	23.23	24.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376000	378000	20.5	0.0	
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	19.49	19.44	19.47	20.5	0.0	
40	Pl2 BPSK	1	108	19.46	19.47	19.47			
40	Pl2 BPSK	1	214	19.49	19.41	19.45			
40	Pl2 BPSK	108	0	19.47	19.44	19.36	20.5	0.0	
40	Pl2 BPSK	108	54	19.49	19.41	19.33	20.5	0.0	
40	Pl2 BPSK	108	108	19.47	19.43	19.44	20.5	0.0	
40	Pl2 BPSK	216	0	19.36	19.49	19.34	20.5	0.0	
40	QPSK	1	1	19.50	19.55	19.40			
40	QPSK	1	108	19.41	19.53	19.43			
40	QPSK	1	214	19.46	19.50	19.34	20.5	0.0	
40	QPSK	108	0	19.43	19.41	19.41			
40	QPSK	108	54	19.45	19.51	19.43			
40	QPSK	108	108	19.38	19.48	19.33	20.5	0.0	
40	QPSK	216	0	19.45	19.48	19.39	20.5	0.0	
40	16QAM	1	1	19.47	19.44	19.33			
40	64QAM	1	1	19.42	19.43	19.45	20.5	0.0	
40	256QAM	1	1	18.48	18.50	18.39	19.5	1.0	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	20.5	0.0	
35	QPSK	1	1	19.38	19.42	19.46	20.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	20.5	0.0	
30	QPSK	1	1	19.45	19.50	19.41	20.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	20.5	0.0	
25	QPSK	1	1	19.47	19.50	19.44	20.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	20.5	0.0	
20	QPSK	1	1	19.42	19.43	19.35	20.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1892.5	20.5	0.0	
15	QPSK	1	1	19.37	19.49	19.34	20.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	20.5	0.0	
10	QPSK	1	1	19.48	19.48	19.44	20.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	20.5	0.0	
5	QPSK	1	1	19.43	19.50	19.39	20.5	0.0	



n2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376000	376000	23.0	0.0	
Frequency (MHz)				1670	1680	1690			
40	PI2 BPSK	1	1	21.64	21.74	21.61	23.0	0.0	
40	PI2 BPSK	1	108	21.65	21.73	21.73			
40	PI2 BPSK	1	214	21.70	21.75	21.62	23.0	0.0	
40	PI2 BPSK	108	0	21.69	21.72	21.71			
40	PI2 BPSK	108	54	21.64	21.68	21.64	23.0	0.0	
40	PI2 BPSK	108	108	21.65	21.67	21.71			
40	PI2 BPSK	216	0	21.65	21.68	21.70	23.0	0.0	
40	QPSK	1	1	21.77	21.80	21.75			
40	QPSK	1	108	21.64	21.68	21.63	23.0	0.0	
40	QPSK	1	214	21.71	21.78	21.69			
40	QPSK	108	0	21.70	21.77	21.75	23.0	0.0	
40	QPSK	108	54	21.75	21.78	21.75			
40	QPSK	108	108	21.56	21.67	21.56	23.0	0.0	
40	QPSK	216	0	21.56	21.69	21.63			
40	16QAM	1	1	21.71	21.77	21.74	23.0	0.0	
40	64QAM	1	1	20.58	20.52	20.10		21.5	
40	256QAM	1	1	18.17	18.27	18.24	19.5	3.5	
Channel				373500	376000	376000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1697.5	1680	1692.5	(dB)	(dB)	
35	QPSK	1	1	21.67	21.76	21.71	23.0	0.0	
Channel				373000	376000	376000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1665	1680	1695	(dB)	(dB)	
30	QPSK	1	1	21.69	21.68	21.69	23.0	0.0	
Channel				372500	376000	376000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1662.5	1680	1697.5	(dBm)	(dB)	
25	QPSK	1	1	21.67	21.73	21.74	23.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1657.5	1680	1692.5	(dBm)	(dB)	
20	QPSK	1	1	21.74	21.79	21.62	23.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1655	1680	1905	(dBm)	(dB)	
15	QPSK	1	1	21.76	21.72	21.73	23.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1655	1680	1905	(dBm)	(dB)	
10	QPSK	1	1	21.70	21.67	21.71	23.0	0.0	
Channel				370500	376000	375500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1652.5	1680	1697.5	(dBm)	(dB)	
5	QPSK	1	1	21.76	21.74	21.64	23.0	0.0	

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166900	167300	167600	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.89	22.86	24.0	0.0	
20	PI2 BPSK	1	53	22.80	22.83	22.74			
20	PI2 BPSK	1	104	22.76	22.79	22.70	23.5	0.5	
20	PI2 BPSK	50	0	22.29	22.42	22.33			
20	PI2 BPSK	50	28	22.78	22.86	22.81	24.0	0.0	
20	PI2 BPSK	50	56	22.28	22.40	22.26			
20	PI2 BPSK	100	0	22.37	22.46	22.32	23.5	0.5	
20	QPSK	1	1	22.97	22.90	22.91			
20	QPSK	1	53	22.70	22.83	22.74	24.0	0.0	
20	QPSK	1	104	22.80	22.87	22.80			
20	QPSK	50	0	21.50	22.04	22.02	23.0	1.0	
20	QPSK	50	28	22.93	22.87	22.95			
20	QPSK	50	56	21.99	22.02	22.01	23.0	1.0	
20	QPSK	100	0	21.84	21.86	21.88			
20	16QAM	1	1	21.97	22.01	21.90	23.0	1.0	
20	64QAM	1	1	20.46	20.50	20.37		21.5	
20	256QAM	1	1	18.62	18.59	18.48	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dB)	(dB)	
15	QPSK	1	1	22.81	22.76	22.70	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844	(dB)	(dB)	
10	QPSK	1	1	22.77	22.75	22.75	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.72	22.79	22.73	24.0	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166900	167300	167600	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.68	22.77	22.63	24.0	0.0	
20	PI2 BPSK	1	53	22.60	22.74	22.59			
20	PI2 BPSK	1	104	22.62	22.70	22.55	23.5	0.5	
20	PI2 BPSK	50	0	22.28	22.33	22.32			
20	PI2 BPSK	50	28	22.70	22.76	22.62	24.0	0.0	
20	PI2 BPSK	50	56	22.15	22.28	22.19			
20	PI2 BPSK	100	0	22.20	22.25	22.34	23.5	0.5	
20	QPSK	1	1	22.75	22.80	22.72			
20	QPSK	1	53	22.60	22.73	22.61	24.0	0.0	
20	QPSK	1	104	22.73	22.75	22.63			
20	QPSK	50	0	21.62	21.68	21.74	23.0	1.0	
20	QPSK	50	28	22.92	22.77	22.97			
20	QPSK	50	56	21.82	21.86	21.85	23.0	1.0	
20	QPSK	100	0	21.75	21.90	21.76			
20	16QAM	1	1	21.87	21.86	21.86	23.0	1.0	
20	64QAM	1	1	20.35	20.38	20.25		21.5	
20	256QAM	1	1	18.43	18.45	18.34	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.70	22.73	22.61	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844	(dB)	(dB)	
10	QPSK	1	1	22.61	22.73	22.63	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.70	22.70	22.57	24.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PlZ BPSK	1	1	23.32	23.40	23.28	24.0	0.0	
40	PlZ BPSK	1	108	23.24	23.32	23.20			
40	PlZ BPSK	1	214	23.36	23.38	23.29			
40	PlZ BPSK	108	0	22.78	22.85	22.75	23.5	0.5	
40	PlZ BPSK	108	54	23.30	23.34	23.31	24.0	0.0	
40	PlZ BPSK	108	108	22.77	22.88	22.86	23.5	0.5	
40	PlZ BPSK	216	0	22.85	22.90	22.86			
40	QPSK	1	1	23.44	23.45	23.42	24.0	0.0	
40	QPSK	1	108	23.30	23.39	23.24			
40	QPSK	1	214	23.23	23.33	23.21			
40	QPSK	108	0	22.32	22.39	22.34	23.0	1.0	
40	QPSK	108	54	23.26	23.41	23.35	24.0	0.0	
40	QPSK	108	108	22.32	22.38	22.36	23.0	1.0	
40	QPSK	216	0	22.25	22.35	22.26			
40	16QAM	1	1	22.26	22.40	22.37	23.0	1.0	
40	64QAM	1	1	20.88	20.93	20.84	21.5	2.5	
40	256QAM	1	1	18.77	18.88	18.73	19.5	4.5	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	24.0	0.0	
35	QPSK	1	1	23.32	23.39	23.31			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	24.0	0.0	
30	QPSK	1	1	23.35	23.40	23.36			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0	
25	QPSK	1	1	23.29	23.30	23.31			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
20	QPSK	1	1	23.39	23.39	23.31			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0	0.0	
15	QPSK	1	1	23.35	23.31	23.30			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0	0.0	
10	QPSK	1	1	23.37	23.30	23.32			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>	24.0	0.0	
5	QPSK	1	1	23.36	23.31	23.31			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PlZ BPSK	1	1	21.60	21.60	21.59	22.5	0.0	
40	PlZ BPSK	1	108	21.53	21.64	21.57			
40	PlZ BPSK	1	214	21.62	21.68	21.61			
40	PlZ BPSK	108	0	21.61	21.65	21.58	22.5	0.0	
40	PlZ BPSK	108	54	21.61	21.71	21.56	22.5	0.0	
40	PlZ BPSK	108	108	21.65	21.65	21.60	22.5	0.0	
40	PlZ BPSK	216	0	21.58	21.58	21.63	22.5	0.0	
40	QPSK	1	1	21.67	21.72	21.70			
40	QPSK	1	108	21.65	21.66	21.69			
40	QPSK	1	214	21.64	21.69	21.66	22.5	0.0	
40	QPSK	108	0	21.56	21.58	21.57	22.5	0.0	
40	QPSK	108	54	21.65	21.69	21.65	22.5	0.0	
40	QPSK	108	108	21.57	21.59	21.62	22.5	0.0	
40	QPSK	216	0	21.62	21.63	21.65	22.5	0.0	
40	16QAM	1	1	21.53	21.57	21.54	22.5	0.0	
40	64QAM	1	1	20.54	20.65	20.61	21.5	1.0	
40	256QAM	1	1	18.59	18.66	18.57	19.5	3.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	22.5	0.0	
35	QPSK	1	1	21.61	21.70	21.62			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555 <td rowspan="2">22.5</td> <td colspan="2" rowspan="2">0.0</td>	22.5	0.0	
30	QPSK	1	1	21.62	21.64	21.69			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5 <td rowspan="2">22.5</td> <td colspan="2" rowspan="2">0.0</td>	22.5	0.0	
25	QPSK	1	1	21.54	21.57	21.65			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560 <td rowspan="2">22.5</td> <td colspan="2" rowspan="2">0.0</td>	22.5	0.0	
20	QPSK	1	1	21.66	21.70	21.62			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5 <td rowspan="2">22.5</td> <td colspan="2" rowspan="2">0.0</td>	22.5	0.0	
15	QPSK	1	1	21.60	21.60	21.65			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565 <td rowspan="2">22.5</td> <td colspan="2" rowspan="2">0.0</td>	22.5	0.0	
10	QPSK	1	1	21.68	21.62	21.66			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5 <td rowspan="2">22.5</td> <td colspan="2" rowspan="2">0.0</td>	22.5	0.0	
5	QPSK	1	1	21.61	21.58	21.62			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PlZ BPSK	1	1	19.81	19.80	19.75	20.5	0.0	
40	PlZ BPSK	1	108	19.77	19.80	19.73			
40	PlZ BPSK	1	214	19.77	19.80	19.78			
40	PlZ BPSK	108	0	19.75	19.88	19.75	20.5	0.0	
40	PlZ BPSK	108	54	19.77	19.86	19.78	20.5	0.0	
40	PlZ BPSK	108	108	19.69	19.83	19.73	20.5	0.0	
40	PlZ BPSK	216	0	19.76	19.85	19.72	20.5	0.0	
40	QPSK	1	1	19.83	19.92	19.85	20.5	0.0	
40	QPSK	1	108	19.76	19.86	19.71			
40	QPSK	1	214	19.68	19.91	19.71			
40	QPSK	108	0	19.76	19.86	19.70	20.5	0.0	
40	QPSK	108	54	19.80	19.91	19.77	20.5	0.0	
40	QPSK	108	108	19.72	19.80	19.74	20.5	0.0	
40	QPSK	216	0	19.79	19.87	19.84	20.5	0.0	
40	16QAM	1	1	19.72	19.84	19.75	20.5	0.0	
40	64QAM	1	1	19.73	19.81	19.77	20.5	0.0	
40	256QAM	1	1	18.81	18.88	18.78	19.5	1.0	
Channel				503500 <th>507000<th>510500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	507000 <th>510500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	510500 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5 <th>2535<th>2552.5<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th></th>	2535 <th>2552.5<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th>	2552.5 <td rowspan="2">20.5</td> <td colspan="2" rowspan="2">0.0</td>	20.5	0.0	
35	QPSK	1	1	19.80	19.88	19.82			
Channel				503000 <th>507000<th>511000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	507000 <th>511000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	511000 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515 <th>2535<th>2555<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th></th>	2535 <th>2555<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th>	2555 <td rowspan="2">20.5</td> <td colspan="2" rowspan="2">0.0</td>	20.5	0.0	
30	QPSK	1	1	19.74	19.78	19.70			
Channel				502500 <th>507000<th>511500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	507000 <th>511500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	511500 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5 <th>2535<th>2557.5<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th></th>	2535 <th>2557.5<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th>	2557.5 <td rowspan="2">20.5</td> <td colspan="2" rowspan="2">0.0</td>	20.5	0.0	
25	QPSK	1	1	19.80	19.87	19.84			
Channel				502000 <th>507000<th>512000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	507000 <th>512000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	512000 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5 <th>2535<th>2562.5<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th></th>	2535 <th>2562.5<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th>	2562.5 <td rowspan="2">20.5</td> <td colspan="2" rowspan="2">0.0</td>	20.5	0.0	
20	QPSK	1	1	19.81	19.86	19.83			
Channel				501500 <th>507000<th>512500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	507000 <th>512500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	512500 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505 <th>2535<th>2565<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th></th>	2535 <th>2565<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th>	2565 <td rowspan="2">20.5</td> <td colspan="2" rowspan="2">0.0</td>	20.5	0.0	
15	QPSK	1	1	19.76	19.85	19.72			
Channel				501000 <th>507000<th>513000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	507000 <th>513000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	513000 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505 <th>2535<th>2565<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th></th>	2535 <th>2565<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th>	2565 <td rowspan="2">20.5</td> <td colspan="2" rowspan="2">0.0</td>	20.5	0.0	
10	QPSK	1	1	19.71	19.81	19.79			
Channel				500500 <th>507000<th>513500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	507000 <th>513500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	513500 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5 <th>2535<th>2567.5<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th></th>	2535 <th>2567.5<td rowspan="2">20.5</td><td colspan="2" rowspan="2">0.0</td></th>	2567.5 <td rowspan="2">20.5</td> <td colspan="2" rowspan="2">0.0</td>	20.5	0.0	
5	QPSK	1	1	19.76	19.79	19.74			



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	510000	21.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	Pl2 BPSK	1	1	19.90	19.99	19.82	21.0	0.0	
40	Pl2 BPSK	1	108	19.98	19.93	19.96			
40	Pl2 BPSK	1	234	19.93	19.87	19.84			
40	Pl2 BPSK	108	0	19.89	19.89	19.88	21.0	0.0	
40	Pl2 BPSK	108	54	19.91	19.91	19.90	21.0	0.0	
40	Pl2 BPSK	108	108	19.80	19.87	19.85	21.0	0.0	
40	Pl2 BPSK	216	0	19.93	19.80	19.92	21.0	0.0	
40	QPSK	1	1	19.95	20.00	19.97			
40	QPSK	1	108	19.94	19.90	19.83			
40	QPSK	1	214	19.94	19.93	19.84	21.0	0.0	
40	QPSK	108	0	19.94	19.94	19.84			
40	QPSK	108	54	19.92	19.97	19.95			
40	QPSK	108	108	19.90	19.87	19.94	21.0	0.0	
40	QPSK	216	0	19.84	19.93	19.83	21.0	0.0	
40	8QAM	1	1	19.96	19.96	19.82			
40	8QAM	1	1	19.81	19.97	19.92			
40	25QAM	1	1	19.29	19.34	19.20	19.5	1.5	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	(dB)		
35	QPSK	1	1	19.90	19.88	19.86	21.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2515	2535	2555	(dB)		
30	QPSK	1	1	19.95	19.80	19.94	21.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dB)		
25	QPSK	1	1	19.88	19.97	19.90	21.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dB)		
20	QPSK	1	1	19.88	19.96	19.96	21.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)		
15	QPSK	1	1	19.94	19.98	19.93	21.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2505	2535	2565	(dB)		
10	QPSK	1	1	19.89	19.90	19.95	21.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)		
5	QPSK	1	1	19.87	19.85	19.87	21.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.0	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.92	23.05	22.91	24.0	0.0	
15	Pl2 BPSK	1	40	23.01	23.08	22.99			
15	Pl2 BPSK	1	77	22.90	23.01	22.97			
15	Pl2 BPSK	36	0	22.49	22.59	22.56	23.5	0.5	
15	Pl2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	Pl2 BPSK	36	43	22.49	22.60	22.45	23.5	0.5	
15	Pl2 BPSK	75	0	22.46	22.52	22.43	24.0	0.0	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90			
15	QPSK	1	77	22.98	23.02	22.92	23.0	1.0	
15	QPSK	36	0	22.00	22.02	22.00			
15	QPSK	36	22	22.99	23.06	22.93			
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.96	21.83	23.0	1.0	
15	8QAM	1	1	21.94	22.06	21.99			
15	8QAM	1	1	20.60	20.72	20.64			
15	25QAM	1	1	18.54	18.55	18.54	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dB)	MPR	
Frequency (MHz)				704	707.5	711	(dB)		
10	QPSK	1	1	22.99	22.96	22.82	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dB)	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dB)		
5	QPSK	1	1	22.95	23.02	22.89	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.0	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.72	22.85	22.79	24.0	0.0	
15	Pl2 BPSK	1	40	22.68	22.80	22.74			
15	Pl2 BPSK	1	77	22.73	22.78	22.69			
15	Pl2 BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	Pl2 BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	Pl2 BPSK	36	43	22.33	22.48	22.36	23.5	0.5	
15	Pl2 BPSK	75	0	22.32	22.45	22.35	24.0	0.0	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77			
15	QPSK	1	77	22.68	22.81	22.75	23.0	1.0	
15	QPSK	36	0	21.85	21.88	21.79			
15	QPSK	36	22	22.72	22.86	22.84			
15	QPSK	36	43	21.73	21.84	21.76	23.0	1.0	
15	QPSK	75	0	21.80	21.81	21.76	23.0	1.0	
15	8QAM	1	1	21.72	21.75	21.60			
15	8QAM	1	1	20.28	20.39	20.31			
15	25QAM	1	1	18.35	18.40	18.32	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dB)	MPR	
Frequency (MHz)				704	707.5	711	(dB)		
10	QPSK	1	1	22.78	22.84	22.73	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dB)	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dB)		
5	QPSK	1	1	22.71	22.83	22.78	24.0	0.0	



n14_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158000			24.0	0.0
Frequency (MHz)				795				
10	Pl/2 BPSK	1	1		23.30			
10	Pl/2 BPSK	1	26		23.22			
10	Pl/2 BPSK	1	50		23.28			
10	Pl/2 BPSK	25	0		22.75			23.5
10	Pl/2 BPSK	25	14		23.25			24.0
10	Pl/2 BPSK	25	27		22.77			24.0
10	Pl/2 BPSK	50	0		22.72			23.5
10	QPSK	1	1		23.37			
10	QPSK	1	26		23.30			24.0
10	QPSK	1	50		23.33			
10	QPSK	25	0		22.05			23.0
10	QPSK	25	14		23.28			24.0
10	QPSK	25	27		22.10			23.0
10	QPSK	50	0		22.02			
10	16QAM	1	1		22.39			23.0
10	16QAM	1	1		20.88			21.5
10	256QAM	1	1		18.90			19.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				793.5	795	796.5		
5	QPSK	1	1		23.32	23.29	23.26	24.0

n14_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158000			24.0	0.0
Frequency (MHz)				795				
10	Pl/2 BPSK	1	1		23.00			
10	Pl/2 BPSK	1	26		23.02			
10	Pl/2 BPSK	1	50		22.96			
10	Pl/2 BPSK	25	0		22.58			23.5
10	Pl/2 BPSK	25	14		22.99			24.0
10	Pl/2 BPSK	25	27		22.50			24.0
10	Pl/2 BPSK	50	0		22.54			23.5
10	QPSK	1	1		23.07			
10	QPSK	1	26		23.03			24.0
10	QPSK	1	50		23.00			
10	QPSK	25	0		22.10			23.0
10	QPSK	25	14		22.96			24.0
10	QPSK	25	27		22.02			23.0
10	QPSK	50	0		22.07			
10	16QAM	1	1		22.00			23.0
10	16QAM	1	1		20.44			21.5
10	256QAM	1	1		18.50			19.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				793.5	795	796.5		
5	QPSK	1	1		22.90	22.95	22.85	24.0

n25_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				376500		376500	24.0	0.0
Frequency (MHz)				1870		1882.5		
40	Pl/2 BPSK	1	1		23.29	23.44	23.43	
40	Pl/2 BPSK	1	108		23.34	23.40	23.27	
40	Pl/2 BPSK	1	214		23.34	23.37	23.24	
40	Pl/2 BPSK	108	0		22.83	22.98	22.95	23.5
40	Pl/2 BPSK	108	54		23.33	23.48	23.34	24.0
40	Pl/2 BPSK	108	108		22.75	22.90	22.87	23.5
40	Pl/2 BPSK	216	0		22.94	22.95	22.81	
40	QPSK	1	1		23.45	23.50	23.37	
40	QPSK	1	108		23.32	23.41	23.34	24.0
40	QPSK	1	214		23.31	23.45	23.33	
40	QPSK	108	0		22.47	22.50	22.38	23.0
40	QPSK	108	54		23.25	23.44	23.35	24.0
40	QPSK	108	108		22.34	22.42	22.37	23.0
40	QPSK	216	0		22.40	22.45	22.43	
40	16QAM	1	1		22.32	22.47	22.41	23.0
40	16QAM	1	1		20.88	21.00	20.88	21.5
40	256QAM	1	1		18.88	18.92	18.79	19.5
Channel				376500	376500	376500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1		23.34	23.44	23.26	24.0
Channel				376000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1		23.38	23.39	23.29	24.0
Channel				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1		23.31	23.38	23.25	24.0
Channel				37000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1		23.33	23.43	23.30	24.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1		23.37	23.39	23.28	24.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1		23.39	23.44	23.26	24.0
Channel				371000	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1		23.31	23.35	23.30	24.0



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000	24.0	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	23.12	23.25	23.23			
40	Pl2 BPSK	1	108	23.18	23.23	23.12	24.0	0.0	
40	Pl2 BPSK	1	214	23.15	23.24	23.23	24.0		
40	Pl2 BPSK	108	0	23.00	23.04	22.91	23.5	0.5	
40	Pl2 BPSK	108	54	23.32	23.35	23.33	24.0		
40	Pl2 BPSK	108	108	22.94	23.05	22.93	23.5		
40	Pl2 BPSK	216	0	22.83	22.97	22.82	23.5	0.5	
40	QPSK	1	1	23.37	23.40	23.34	24.0		
40	QPSK	1	108	23.26	23.38	23.31	24.0	0.0	
40	QPSK	1	214	23.28	23.38	23.27	24.0		
40	QPSK	108	0	22.36	22.47	22.43	23.0	1.0	
40	QPSK	108	54	23.25	23.33	23.30	24.0		
40	QPSK	108	108	22.32	22.45	22.32	23.0		
40	QPSK	216	0	22.38	22.42	22.29	23.0	1.0	
40	8QAM	1	1	22.34	22.40	22.30	23.0		
40	8QAM	1	1	20.88	20.90	20.77	21.5	2.5	
40	25QAM	1	1	18.82	18.88	18.74	19.5		
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5	24.0	0.0	
35	QPSK	1	1	23.18	23.23	23.15	24.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1882.5	1900	24.0	0.0	
30	QPSK	1	1	23.21	23.22	23.18	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1902.5	24.0	0.0	
25	QPSK	1	1	23.22	23.22	23.18	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1877.5	1882.5	1907.5	24.0	0.0	
20	QPSK	1	1	23.25	23.24	23.22	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1872.5	1882.5	1912.5	24.0	0.0	
15	QPSK	1	1	23.27	23.20	23.21	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910	24.0	0.0	
10	QPSK	1	1	23.27	23.25	23.24	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5	24.0	0.0	
5	QPSK	1	1	23.26	23.27	23.15	24.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000	20.5	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	19.64	19.58	19.60	20.5		
40	Pl2 BPSK	1	108	19.61	19.65	19.67	20.5	0.0	
40	Pl2 BPSK	1	214	19.58	19.61	19.60	20.5		
40	Pl2 BPSK	108	0	19.52	19.57	19.69	20.5	0.0	
40	Pl2 BPSK	108	54	19.65	19.68	19.67	20.5		
40	Pl2 BPSK	108	108	19.64	19.66	19.64	20.5		
40	Pl2 BPSK	216	0	19.56	19.65	19.56	20.5	0.0	
40	QPSK	1	1	19.67	19.72	19.70	20.5		
40	QPSK	1	108	19.65	19.69	19.59	20.5	0.0	
40	QPSK	1	214	19.57	19.71	19.57	20.5		
40	QPSK	108	0	19.60	19.62	19.61	20.5	0.0	
40	QPSK	108	54	19.62	19.70	19.64	20.5		
40	QPSK	108	108	19.58	19.66	19.60	20.5	0.0	
40	QPSK	216	0	19.63	19.68	19.60	20.5		
40	8QAM	1	1	19.63	19.63	19.60	20.5	0.0	
40	8QAM	1	1	19.59	19.57	19.56	20.5		
40	25QAM	1	1	18.88	18.70	18.59	19.5	1.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5	20.5	0.0	
35	QPSK	1	1	19.66	19.66	19.69	20.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1882.5	1900	20.5	0.0	
30	QPSK	1	1	19.55	19.66	19.59	20.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1902.5	20.5	0.0	
25	QPSK	1	1	19.53	19.67	19.67	20.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1877.5	1882.5	1907.5	20.5	0.0	
20	QPSK	1	1	19.64	19.65	19.65	20.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1872.5	1882.5	1912.5	20.5	0.0	
15	QPSK	1	1	19.65	19.69	19.60	20.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910	20.5	0.0	
10	QPSK	1	1	19.55	19.70	19.66	20.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5	20.5	0.0	
5	QPSK	1	1	19.62	19.69	19.64	20.5	0.0	

n25_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379500			
Frequency (MHz)				1870	1882.5	1895			
40	P2 BPSK	1	1	21.79	21.90	21.85	23.0	0.0	0.0
40	P2 BPSK	1	108	21.81	21.90	21.83	23.0		
40	P2 BPSK	1	214	21.75	21.87	21.75	23.0		
40	P2 BPSK	108	0	21.77	21.91	21.76	23.0	0.0	0.0
40	P2 BPSK	108	54	21.73	21.95	21.79	23.0		
40	P2 BPSK	108	108	21.81	21.81	21.88	23.0		
40	P2 BPSK	216	0	21.83	21.84	21.78	23.0	0.0	0.0
40	QPSK	1	1	21.88	21.96	21.90	23.0		
40	QPSK	1	108	21.76	21.83	21.88	23.0	0.0	0.0
40	QPSK	1	214	21.80	21.94	21.88	23.0		
40	QPSK	108	0	21.77	21.87	21.80	23.0	0.0	0.0
40	QPSK	108	54	21.80	21.90	21.85	23.0		
40	QPSK	108	108	21.78	21.90	21.75	23.0	0.0	0.0
40	QPSK	216	0	21.82	21.93	21.81	23.0		
40	16QAM	1	1	21.84	21.92	21.84	23.0	0.0	0.0
40	64QAM	1	1	20.44	20.45	20.43	21.5		
40	256QAM	1	1	18.50	18.56	18.45	19.5	3.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5	23.0	0.0	
35	QPSK	1	1	21.76	21.95	21.77	23.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1882.5	1900	23.0	0.0	
30	QPSK	1	1	21.80	21.87	21.85	23.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1902.5	23.0	0.0	
25	QPSK	1	1	21.82	21.83	21.81	23.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1882.5	1905	23.0	0.0	
20	QPSK	1	1	21.77	21.82	21.84	23.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1877.5	1882.5	1907.5	23.0	0.0	
15	QPSK	1	1	21.75	21.94	21.77	23.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1882.5	1910	23.0	0.0	
10	QPSK	1	1	21.84	21.86	21.81	23.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1912.5	23.0	0.0	
5	QPSK	1	1	21.82	21.91	21.79	23.0	0.0	



n26(FCC)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				834	831.5	836			
20	Pliz BPSK	1	1	22.88	22.93	23.02	24.0		
20	Pliz BPSK	1	53	22.84	22.76	22.90			
20	Pliz BPSK	1	104	22.83	22.93	22.96			
20	Pliz BPSK	50	0	22.44	22.43	22.47	23.5	0.5	
20	Pliz BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	Pliz BPSK	50	56	22.39	22.45	22.52	23.5		
20	Pliz BPSK	100	0	22.40	22.47	22.50		0.5	
20	QPSK	1	1	23.03	23.01	23.05	24.0		
20	QPSK	1	53	23.01	22.95	23.04			
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07	23.0	1.0	
20	QPSK	50	28	22.91	22.88	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.96	22.10	23.0		
20	QPSK	100	0	22.02	21.99	22.05		1.0	
20	16QAM	1	1	21.89	21.95	22.00	23.0	1.0	
20	64QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	831.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				166800	166300	166800	Tune-up limit (dB)	MPR	
Frequency (MHz)				839	831.5	844			
10	QPSK	1	1	22.94	22.95	22.98	24.0	0.0	
Channel				166300	166300	166300	Tune-up limit (dB)	MPR	
Frequency (MHz)				836.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	836			
20	Pliz BPSK	1	1	22.96	22.89	23.02	24.0		
20	Pliz BPSK	1	53	22.78	22.75	22.90			
20	Pliz BPSK	1	104	22.91	22.95	22.96			
20	Pliz BPSK	50	0	22.34	22.36	22.47	23.5	0.5	
20	Pliz BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	Pliz BPSK	50	56	22.39	22.50	22.52	23.5		
20	Pliz BPSK	100	0	22.40	22.35	22.50		0.5	
20	QPSK	1	1	22.97	23.01	23.05	24.0		
20	QPSK	1	53	22.93	22.94	23.04			
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.99	22.07	23.0	1.0	
20	QPSK	50	28	22.95	22.91	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.95	22.10	23.0		
20	QPSK	100	0	21.96	21.95	22.05		1.0	
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	64QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.87	22.86	22.96	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	Pliz BPSK	1	1	22.76	22.79	22.87	24.0		
20	Pliz BPSK	1	53	22.81	22.80	22.85			
20	Pliz BPSK	1	104	22.74	22.77	22.79			
20	Pliz BPSK	50	0	22.50	22.47	22.52	23.5	0.5	
20	Pliz BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	Pliz BPSK	50	56	22.38	22.32	22.42	23.5		
20	Pliz BPSK	100	0	22.33	22.37	22.44		0.5	
20	QPSK	1	1	22.97	22.87	22.88	24.0		
20	QPSK	1	53	22.75	22.70	22.80			
20	QPSK	1	104	22.64	22.64	22.77			
20	QPSK	50	0	21.77	21.75	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95	23.0		
20	QPSK	100	0	21.84	21.76	21.90		1.0	
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	64QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				166300	166300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				166800	166300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.80	22.74	22.79	24.0	0.0	
Channel				166300	166300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166900	167300	167900			
Frequency (MHz)				834	836.5	839	24.0	0.0	
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.85	24.0	0.0	
20	Pl2 BPSK	1	104	22.75	22.74	22.76	23.5	0.5	
20	Pl2 BPSK	50	0	22.49	22.40	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42	23.5	0.5	
20	Pl2 BPSK	100	0	22.33	22.32	22.44			
20	QPSK	1	1	22.60	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80	24.0	0.0	
20	QPSK	1	104	22.68	22.62	22.77			
20	QPSK	50	0	21.81	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.75	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95	23.0	1.0	
20	QPSK	100	0	21.86	21.86	21.90			
20	8QAM	1	1	21.76	21.73	21.88	23.0	1.0	
20	8QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	25QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				834.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.72	22.69	22.83	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.75	22.67	22.78	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				836.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				460500					
Frequency (MHz)				2310			24.0	0.0	
10	Pl2 BPSK	1	1		23.42				
10	Pl2 BPSK	1	26		23.38				
10	Pl2 BPSK	1	50		23.47				
10	Pl2 BPSK	25	0		23.01				
10	Pl2 BPSK	25	14		23.48				
10	Pl2 BPSK	25	27		23.05				
10	Pl2 BPSK	50	0		23.03				
10	QPSK	1	1		23.50				
10	QPSK	1	26		23.45				
10	QPSK	1	50		23.47				
10	QPSK	25	0		22.46				
10	QPSK	25	14		23.43				
10	QPSK	25	27		22.49				
10	QPSK	50	0		22.45				
10	16QAM	1	1		22.48				
10	16QAM	1	1		20.96				
10	256QAM	1	1		19.00				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)	
5	QPSK	1	1	23.45	23.49	23.41	24.0	0.0	

n30_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				460000					
Frequency (MHz)				2310			22.5	0.0	
10	Pl2 BPSK	1	1		21.95				
10	Pl2 BPSK	1	26		21.81				
10	Pl2 BPSK	1	50		21.90		22.5	0.0	
10	Pl2 BPSK	25	0		21.95		22.5	0.0	
10	Pl2 BPSK	25	14		21.89		22.5	0.0	
10	Pl2 BPSK	25	27		21.81		22.5	0.0	
10	Pl2 BPSK	50	0		21.82				
10	QPSK	1	1		21.96				
10	QPSK	1	26		21.84		22.5	0.0	
10	QPSK	1	50		21.81				
10	QPSK	25	0		21.90		22.5	0.0	
10	QPSK	25	14		21.92		22.5	0.0	
10	QPSK	25	27		21.90		22.5	0.0	
10	QPSK	50	0		21.87				
10	16QAM	1	1		21.91		22.5	0.0	
10	64QAM	1	1		20.88		21.5	1.0	
10	256QAM	1	1		18.97		19.5	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)		
5	QPSK	1	1	21.84	21.88	21.81	22.5	0.0	



n30_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000			23.0	0.0	
Frequency (MHz)				2310					
10	Pliz BPSK	1	1		22.07				
10	Pliz BPSK	1	26		22.10				
10	Pliz BPSK	1	50		22.02			23.0	0.0
10	Pliz BPSK	25	0		22.02				
10	Pliz BPSK	25	14		22.04			23.0	0.0
10	Pliz BPSK	25	27		22.01				
10	Pliz BPSK	50	0		22.13			23.0	0.0
10	QPSK	1	1		22.15				
10	QPSK	1	26		22.00		23.0		
10	QPSK	1	50		22.02				
10	QPSK	25	0		22.01		23.0		
10	QPSK	25	14		22.12		23.0		
10	QPSK	25	27		22.01		23.0		
10	QPSK	50	0		22.01				
10	16QAM	1	1		22.00		23.0		
10	64QAM	1	1		20.55		21.5	1.5	
10	256QAM	1	1		18.53		19.5	3.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	22.05	22.03	22.13	23.0	0.0	

n30_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000			21.5	0.0	
Frequency (MHz)				2310					
10	Pliz BPSK	1	1		20.55				
10	Pliz BPSK	1	26		20.57				
10	Pliz BPSK	1	50		20.50			21.5	0.0
10	Pliz BPSK	25	0		20.49			21.5	0.0
10	Pliz BPSK	25	14		20.53			21.5	0.0
10	Pliz BPSK	25	27		20.57			21.5	0.0
10	Pliz BPSK	50	0		20.50			21.5	0.0
10	QPSK	1	1		20.60				
10	QPSK	1	26		20.46		21.5	0.0	
10	QPSK	1	50		20.48				
10	QPSK	25	0		20.53		21.5	0.0	
10	QPSK	25	14		20.56		21.5	0.0	
10	QPSK	25	27		20.49		21.5	0.0	
10	QPSK	50	0		20.58				
10	16QAM	1	1		20.45		21.5	0.0	
10	64QAM	1	1		18.22		21.5	0.0	
10	256QAM	1	1		20.20		19.5	2.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	20.54	20.46	20.50	21.5	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000		345000	24.0	0.0	
Frequency (MHz)				1730		1745			
40	Pliz BPSK	1	1	22.79	22.90	22.88			
40	Pliz BPSK	1	108	22.77	22.85	22.78	24.0	0.0	0.0
40	Pliz BPSK	1	214	22.77	22.88	22.80			
40	Pliz BPSK	108	0	22.68	22.79	22.66	24.0	0.0	0.0
40	Pliz BPSK	108	54	22.62	22.77	22.70	24.0	0.0	0.0
40	Pliz BPSK	108	108	22.72	22.85	22.83	24.0	0.0	0.0
40	Pliz BPSK	216	0	22.74	22.83	22.80			
40	QPSK	1	1	22.94	23.00	22.98			
40	QPSK	1	108	22.90	22.97	22.95	24.0	0.0	0.0
40	QPSK	1	214	22.85	22.91	22.78			
40	QPSK	108	0	22.71	22.84	22.82	24.0	0.0	0.0
40	QPSK	108	54	22.81	22.90	22.85	24.0	0.0	0.0
40	QPSK	108	108	22.75	22.88	22.87	24.0	0.0	0.0
40	QPSK	216	0	22.88	22.92	22.80			
40	16QAM	1	1	22.88	22.96	22.89	24.0	0.0	0.0
40	16QAM	1	1	21.43	21.45	21.36	22.5	1.5	1.5
40	25QAM	1	1	19.27	19.42	19.28	20.5	3.5	3.5
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	22.82	22.91	22.88	24.0	0.0	0.0
Channel				349000		353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725		1745			
30	QPSK	1	1	22.79	22.89	22.92	24.0	0.0	0.0
Channel				349000		353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5		1745			
25	QPSK	1	1	22.82	22.91	22.85	24.0	0.0	0.0
Channel				349000		354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720		1745			
20	QPSK	1	1	22.87	22.91	22.91	24.0	0.0	0.0
Channel				349000		354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5		1745			
15	QPSK	1	1	22.83	22.91	22.86	24.0	0.0	0.0
Channel				349000		355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715		1745			
10	QPSK	1	1	22.83	22.89	22.91	24.0	0.0	0.0
Channel				349000		355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5		1745			
5	QPSK	1	1	22.85	22.90	22.88	24.0	0.0	0.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	352000	22.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PlZ BPSK	1	1	21.39	21.49	21.46			
40	PlZ BPSK	1	108	21.40	21.43	21.35			
40	PlZ BPSK	1	214	21.35	21.56	21.45	22.5	0.0	
40	PlZ BPSK	108	0	21.35	21.46	21.43			
40	PlZ BPSK	108	54	21.34	21.51	21.43			
40	PlZ BPSK	108	108	21.40	21.49	21.39			
40	PlZ BPSK	216	0	21.43	21.45	21.35	22.5	0.0	
40	QPSK	1	1	21.49	21.58	21.50			
40	QPSK	1	108	21.36	21.53	21.42		22.5	
40	QPSK	1	214	21.43	21.49	21.40			
40	QPSK	108	0	21.43	21.48	21.49		22.5	
40	QPSK	108	54	21.47	21.51	21.50			
40	QPSK	108	108	21.37	21.43	21.41			
40	QPSK	216	0	21.41	21.54	21.48	22.5	0.0	
40	8QAM	1	1	21.42	21.46	21.40			
40	8QAM	1	1	21.36	21.48	21.35			
40	25QAM	1	1	19.37	19.45	19.31		20.5	
Channel				345000	349000	352500		Tune-up limit (dBm)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	21.43	21.48	21.43		22.5	
Channel				345000	349000	353000		Tune-up limit (dBm)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.47	21.50	21.37		22.5	
Channel				343500	349000	353500		Tune-up limit (dBm)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	21.47	21.43	21.49		22.5	
Channel				343500	349000	354000		Tune-up limit (dBm)	
Frequency (MHz)				1717.5	1745	1772.5			
20	QPSK	1	1	21.48	21.52	21.41		22.5	
Channel				343500	349000	354500		Tune-up limit (dBm)	
Frequency (MHz)				1714.5	1745	1775.5			
15	QPSK	1	1	21.45	21.57	21.45		22.5	
Channel				343000	349000	355000		Tune-up limit (dBm)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.38	21.53	21.44		22.5	
Channel				342000	349000	355500		Tune-up limit (dBm)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.43	21.54	21.38		22.5	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PlZ BPSK	1	1	23.28	23.40	23.30			
40	PlZ BPSK	1	108	23.31	23.32	23.27			
40	PlZ BPSK	1	214	23.27	23.38	23.31	23.5	0.5	
40	PlZ BPSK	108	0	22.91	22.94	22.87			
40	PlZ BPSK	108	54	23.37	23.41	23.34			
40	PlZ BPSK	108	108	22.86	22.90	22.88			
40	PlZ BPSK	216	0	22.91	22.97	22.92	24.0	0.0	
40	QPSK	1	1	23.35	23.44	23.30			
40	QPSK	1	108	23.32	23.40	23.27			
40	QPSK	1	214	23.29	23.37	23.29		23.0	
40	QPSK	108	0	22.24	22.36	22.37			
40	QPSK	108	54	23.34	23.40	23.26			
40	QPSK	108	108	22.24	22.33	22.18		23.0	
40	QPSK	216	0	22.30	22.35	22.24			
40	8QAM	1	1	22.34	22.37	22.34	23.0	1.0	
40	8QAM	1	1	20.75	20.85	20.79			
40	25QAM	1	1	18.89	18.80	18.89		19.5	
Channel				345000	349000	352500		Tune-up limit (dBm)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	23.29	23.39	23.22		24.0	
Channel				345000	349000	353000		Tune-up limit (dBm)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.21	23.34	23.18		24.0	
Channel				343500	349000	353500		Tune-up limit (dBm)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.31	23.31	23.23		24.0	
Channel				343500	349000	354000		Tune-up limit (dBm)	
Frequency (MHz)				1717.5	1745	1772.5			
20	QPSK	1	1	23.21	23.38	23.25		24.0	
Channel				343500	349000	354500		Tune-up limit (dBm)	
Frequency (MHz)				1714.5	1745	1775.5			
15	QPSK	1	1	23.27	23.32	23.17		24.0	
Channel				343000	349000	355000		Tune-up limit (dBm)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.28	23.34	23.24		24.0	
Channel				342500	349000	355500		Tune-up limit (dBm)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.21	23.31	23.22		24.0	

n66_Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				346000	346000	352000	24.0	0.0			
Frequency (MHz)				1730	1745	1760					
40	PlZ BPSK	1	1	22.93	22.95	22.92					
40	PlZ BPSK	1	108	22.89	23.00	22.90					
40	PlZ BPSK	1	214	22.90	22.91	22.84	23.5	0.5			
40	PlZ BPSK	108	0	22.51	22.57	22.56					
40	PlZ BPSK	108	54	22.90	22.94	22.87					
40	PlZ BPSK	108	108	22.36	22.51	22.48					
40	PlZ BPSK	216	0	22.93	22.48	22.36	24.0	0.0			
40	QPSK	1	1	22.97	23.02	22.90					
40	QPSK	1	108	22.87	23.00	22.85		23.0			
40	QPSK	1	214	22.94	22.97	22.84					
40	QPSK	108	0	22.06	22.09	22.05					
40	QPSK	108	54	22.95	22.96	22.87		24.0			
40	QPSK	108	108	22.09	22.10	21.97					
40	QPSK	216	0	22.01	22.05	21.97		23.0			
40	16QAM	1	1	21.91	21.96	21.91					
40	64QAM	1	1	20.40	20.55	20.42		21.5			
40	256QAM	1	1	18.44	18.59	18.49					
Channel				345000	349000	352500		Tune-up limit (dBm)			
Frequency (MHz)				1727.5	1745	1762.5					
35	QPSK	1	1	22.91	22.90	22.80		24.0			
Channel				345000	349000	353000		Tune-up limit (dBm)			
Frequency (MHz)				1725	1745	1765					
30	QPSK	1	1	22.89	22.91	22.80		24.0			
Channel				344500	349000	353500		Tune-up limit (dBm)			
Frequency (MHz)				1722.5	1745	1767.5					
25	QPSK	1	1	22.86	22.94	22.76		24.0			
Channel				343500	349000	354000		Tune-up limit (dBm)			
Frequency (MHz)				1717.5	1745	1772.5					
20	QPSK	1	1	22.90	22.91	22.85		24.0			
Channel				343500	349000	354500		Tune-up limit (dBm)			
Frequency (MHz)				1714.5	1745	1775.5					
15	QPSK	1	1	22.97	22.83	22.76		24.0			
Channel				343000	349000	355000	Tune-up limit (dBm)				
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	1	22.84	22.96	22.76	24.0				
Channel				342500	349000	355500	Tune-up limit (dBm)				
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	1	22.83	22.94	22.79	24.0				



n70_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500					
Frequency (MHz)				1702.5					
15	Pliz BPSK	1	1		23.68				
15	Pliz BPSK	1	40		23.63				
15	Pliz BPSK	1	77		23.60		23.5	0.0	
15	Pliz BPSK	36	0		23.19		24.0	0.5	
15	Pliz BPSK	36	22		23.62		24.0	0.0	
15	Pliz BPSK	36	43		23.10		23.5	0.5	
15	Pliz BPSK	75	0		23.15				
15	QPSK	1	1		23.70				
15	QPSK	1	40		23.62		24.0	0.0	
15	QPSK	1	77		23.65				
15	QPSK	36	0		22.60		23.0	1.0	
15	QPSK	36	22		23.06		24.0	0.0	
15	QPSK	36	43		22.70		23.0	1.0	
15	QPSK	75	0		22.67				
15	16QAM	1	1		22.59		23.0	1.0	
15	64QAM	1	1		21.20		21.5	2.5	
15	256QAM	1	1		19.20		19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	23.67	23.63	23.64	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.52	23.52	23.55	24.0	0.0	

n70_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500					
Frequency (MHz)				1702.5			24.0	0.0	
15	Pliz BPSK	1	1		22.95				
15	Pliz BPSK	1	40		22.88				
15	Pliz BPSK	1	77		22.90		23.5	0.5	
15	Pliz BPSK	36	0		22.45		24.0	0.0	
15	Pliz BPSK	36	22		22.96		23.5	0.5	
15	Pliz BPSK	36	43		22.42				
15	Pliz BPSK	75	0		22.50				
15	QPSK	1	1		23.00		24.0	0.0	
15	QPSK	1	40		22.90				
15	QPSK	1	77		22.94		23.0	1.0	
15	QPSK	36	0		22.06		24.0	0.0	
15	QPSK	36	22		22.92				
15	QPSK	36	43		22.02		23.0	1.0	
15	QPSK	75	0		22.00				
15	16QAM	1	1		22.06		23.0	1.0	
15	64QAM	1	1		20.55		21.5	2.5	
15	256QAM	1	1		18.60		19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.91	22.95	22.96	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.87	22.91	22.77	24.0	0.0	

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500					
Frequency (MHz)				1702.5					
15	Pliz BPSK	1	1		23.40				
15	Pliz BPSK	1	40		23.33				
15	Pliz BPSK	1	77		23.35		23.5	0.0	
15	Pliz BPSK	36	0		22.88		24.0	0.5	
15	Pliz BPSK	36	22		23.35		24.0	0.0	
15	Pliz BPSK	36	43		22.85				
15	Pliz BPSK	75	0		22.90		23.5	0.5	
15	QPSK	1	1		23.42				
15	QPSK	1	40		23.35		24.0	0.0	
15	QPSK	1	77		23.31				
15	QPSK	36	0		22.50		23.0	1.0	
15	QPSK	36	22		23.37		24.0	0.0	
15	QPSK	36	43		22.44		23.0	1.0	
15	QPSK	75	0		22.48				
15	16QAM	1	1		22.49		23.0	1.0	
15	64QAM	1	1		21.00		21.5	2.5	
15	256QAM	1	1		19.00		19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	23.32	23.36	23.30	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.31	23.35	23.31	24.0	0.0	



n70_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500					
Frequency (MHz)				1702.5					
15	Pl2 BPSK	1	1	22.79				23.5	0.0
15	Pl2 BPSK	1	40	22.71					
15	Pl2 BPSK	1	77	22.80					
15	Pl2 BPSK	36	0	22.70				23.5	0.0
15	Pl2 BPSK	36	22	22.73				23.5	0.0
15	Pl2 BPSK	36	43	22.79				23.5	0.0
15	Pl2 BPSK	75	0	22.75					
15	QPSK	1	1	22.82				23.5	0.0
15	QPSK	1	40	22.68					
15	QPSK	1	77	22.77					
15	QPSK	36	0	22.40				23.0	0.5
15	QPSK	36	22	22.69				23.5	0.0
15	QPSK	36	43	22.41				23.0	0.5
15	QPSK	75	0	22.48				23.0	0.5
15	8QAM	1	1	22.38				23.0	0.5
15	8QAM	1	1	20.90				21.5	2.0
15	25QAM	1	1	18.85				19.5	4.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.75	22.73	22.81	23.5	0.0	
Channel				339500	340000	340500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.79	22.72	22.72	23.5	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	134100	133900			
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1	23.03	23.03	23.07		24.0	0.0
20	Pl2 BPSK	1	53	22.91	23.04	23.01			
20	Pl2 BPSK	1	104	23.06	23.02	23.02			
20	Pl2 BPSK	50	0	22.72	22.60	22.69		23.5	0.5
20	Pl2 BPSK	50	28	23.06	23.03	23.04		24.0	0.0
20	Pl2 BPSK	50	56	22.68	22.61	22.63		23.5	0.5
20	Pl2 BPSK	100	0	22.62	22.55	22.55			
20	QPSK	1	1	23.07	23.14	23.10		24.0	0.0
20	QPSK	1	53	23.05	23.04	22.96			
20	QPSK	1	104	23.03	23.12	22.98			
20	QPSK	50	0	22.08	22.15	22.09		23.0	1.0
20	QPSK	50	28	22.97	23.10	23.07		24.0	0.0
20	QPSK	50	56	22.14	22.11	22.13		23.0	1.0
20	QPSK	100	0	22.03	22.05	22.03		23.0	1.0
20	8QAM	1	1	22.03	22.15	22.02		23.0	1.0
20	8QAM	1	1	20.57	20.68	20.61		21.5	2.5
20	25QAM	1	1	18.83	18.68	18.55		19.5	4.5
Channel				134100	134100	134100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5			
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				133600	134100	134600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.58	23.06	22.56	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.96	23.03	22.99	24.0	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	134100	133900			
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1	22.72	22.82	22.79		24.0	0.0
20	Pl2 BPSK	1	53	22.69	22.75	22.74			
20	Pl2 BPSK	1	104	22.69	22.60	22.65			
20	Pl2 BPSK	50	0	22.34	22.44	22.36		23.5	0.5
20	Pl2 BPSK	50	28	22.79	22.80	22.78		24.0	0.0
20	Pl2 BPSK	50	56	22.36	22.39	22.35		23.5	0.5
20	Pl2 BPSK	100	0	22.32	22.33	22.34			
20	QPSK	1	1	22.77	22.85	22.75		24.0	0.0
20	QPSK	1	53	22.68	22.77	22.73			
20	QPSK	1	104	22.69	22.83	22.69			
20	QPSK	50	0	21.79	21.89	21.84		23.0	1.0
20	QPSK	50	28	22.72	22.80	22.71		24.0	0.0
20	QPSK	50	56	21.87	21.90	21.83		23.0	1.0
20	QPSK	100	0	21.73	21.82	21.67		23.0	1.0
20	8QAM	1	1	21.83	21.86	21.76		23.0	1.0
20	8QAM	1	1	20.37	20.39	20.33		21.5	2.5
20	25QAM	1	1	18.30	18.40	18.32		19.5	4.5
Channel				134100	134100	134100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5			
15	QPSK	1	1	22.67	22.75	22.68	24.0	0.0	
Channel				133600	134100	134600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.56	22.74	22.63	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.66	22.78	22.63	24.0	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
				2560.02	2565	2569.98			
40	Pl/2 BPSK	1	1	22.94	23.05	22.99			
40	Pl/2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0	
40	Pl/2 BPSK	1	104	22.80	22.82	22.79			
40	Pl/2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0	
40	Pl/2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0	
40	Pl/2 BPSK	50	56	22.68	22.75	22.60			
40	Pl/2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0	
40	QPSK	1	1	23.04	23.10	23.06			
40	QPSK	1	53	22.92	23.02	22.90	24.0	0.0	
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5	
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0	
40	QPSK	50	56	22.15	22.30	22.24			
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5	
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5	
40	64QAM	1	1	20.85	20.96	20.81	22.0	2.0	
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0	
Channel				517002	516900	520998	Tune-up limit (dBm)	MPR (dB)	
				2565.01	2565	2604.99			
30	QPSK	1	1	22.93	23.03	22.97	24.0	0.0	
Channel									
Frequency (MHz)				516504	516000	521496	Tune-up limit (dBm)	MPR (dB)	
				2562.52	2565	2607.48			
25	QPSK	1	1	22.93	23.02	22.96	24.0	0.0	
Channel									
Frequency (MHz)				515002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2580	2595	2610			
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0	
Channel									
Frequency (MHz)				515502	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2575.51	2595	2614.49			
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)				516004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
10	QPSK	1	1	22.99	23.01	22.94	24.0	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996			
Frequency (MHz)				2560.02	2565	2569.98			
40	Pl/2 BPSK	1	1	22.50	22.46	22.54			
40	Pl/2 BPSK	1	53	22.49	22.47	22.43	23.5	0.0	
40	Pl/2 BPSK	1	104	22.54	22.55	22.47			
40	Pl/2 BPSK	50	0	22.44	22.56	22.54	23.5	0.0	
40	Pl/2 BPSK	50	28	22.52	22.45	22.54	23.5	0.0	
40	Pl/2 BPSK	50	56	22.40	22.47	22.52			
40	Pl/2 BPSK	100	0	22.53	22.46	22.52	23.5	0.0	
40	QPSK	1	1	22.55	22.60	22.55			
40	QPSK	1	53	22.44	22.53	22.53	23.5	0.0	
40	QPSK	1	104	22.46	22.56	22.44			
40	QPSK	50	0	22.43	22.45	22.36	23.5	0.0	
40	QPSK	50	28	22.45	22.45	22.45	23.5	0.0	
40	QPSK	50	56	22.36	22.40	22.38			
40	QPSK	100	0	22.37	22.38	22.29	23.5	0.0	
40	16QAM	1	1	22.36	22.38	22.25	23.5	0.0	
40	64QAM	1	1	20.78	20.90	20.75	22.0	1.5	
40	256QAM	1	1	18.84	18.85	18.83	20.0	3.5	
Channel				517002	516900	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2565.01	2565	2604.99			
30	QPSK	1	1	22.53	22.49	22.54	23.5	0.0	
Channel				516504	516000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.52	2565	2607.48			
25	QPSK	1	1	22.49	22.59	22.54	23.5	0.0	
Channel				516002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.50	22.59	22.53	23.5	0.0	
Channel				515502	516000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.51	2595	2614.49			
15	QPSK	1	1	22.50	22.45	22.51	23.5	0.0	
Channel				516004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.45	22.50	22.46	23.5	0.0	

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
				2560.02	2565	2569.98			
40	Pl/2 BPSK	1	1	19.06	19.15	19.06			
40	Pl/2 BPSK	1	53	19.07	19.15	19.08	20.0	0.0	
40	Pl/2 BPSK	1	104	19.00	19.12	19.07			
40	Pl/2 BPSK	50	0	19.10	19.09	19.03	20.0	0.0	
40	Pl/2 BPSK	50	28	19.00	19.07	19.12	20.0	0.0	
40	Pl/2 BPSK	50	56	19.05	19.12	19.05			
40	Pl/2 BPSK	100	0	19.06	19.19	19.01	20.0	0.0	
40	QPSK	1	1	19.13	19.20	19.15			
40	QPSK	1	53	19.04	19.15	19.05	20.0	0.0	
40	QPSK	1	104	19.11	19.17	19.07			
40	QPSK	50	0	19.02	19.13	19.11	20.0	0.0	
40	QPSK	50	28	19.12	19.16	19.12	20.0	0.0	
40	QPSK	50	56	19.10	19.07	19.08			
40	QPSK	100	0	19.99	19.08	19.00	20.0	0.0	
40	16QAM	1	1	19.02	19.15	19.05	20.0	0.0	
40	64QAM	1	1	19.05	19.12	19.14	20.0	0.0	
40	256QAM	1	1	19.04	19.06	18.87	20.0	0.0	
Channel									
Frequency (MHz)				517002	516900	520998	Tune-up limit (dBm)	MPR (dB)	
				2565.01	2565	2604.99			
30	QPSK	1	1	18.99	19.15	19.13	20.0	0.0	
Channel									
Frequency (MHz)				516504	516000	521496	Tune-up limit (dBm)	MPR (dB)	
				2562.52	2565	2607.48			
25	QPSK	1	1	19.03	19.05	19.08	20.0	0.0	
Channel									
Frequency (MHz)				516002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2580	2595	2610			
20	QPSK	1	1	19.08	19.18	19.12	20.0	0.0	
Channel									
Frequency (MHz)				515502	516000	522498	Tune-up limit (dBm)	MPR (dB)	
				2575.51	2595	2614.49			
15	QPSK	1	1	18.99	19.10	19.00	20.0	0.0	
Channel									
Frequency (MHz)				516004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
10	QPSK	1	1	19.10	19.11	19.10	20.0	0.0	



n38_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				518004	518000	518996	22.0	0.0
Frequency (MHz)				2560.02	2558	2559.98		
40	PI2 BPSK	1	1	20.70	20.79	20.63	22.0	0.0
40	PI2 BPSK	1	53	20.70	20.79	20.69		
40	PI2 BPSK	1	104	20.67	20.69	20.63	22.0	0.0
40	PI2 BPSK	50	0	20.69	20.72	20.65		
40	PI2 BPSK	50	28	20.61	20.71	20.75	22.0	0.0
40	PI2 BPSK	50	56	20.69	20.82	20.63	22.0	0.0
40	PI2 BPSK	100	0	20.65	20.82	20.62	22.0	0.0
40	QPSK	1	1	20.75	20.84	20.77		
40	QPSK	1	53	20.60	20.71	20.62	22.0	0.0
40	QPSK	1	104	20.64	20.70	20.72		
40	QPSK	50	0	20.64	20.70	20.70	22.0	0.0
40	QPSK	50	28	20.74	20.63	20.75	22.0	0.0
40	QPSK	50	56	20.62	20.69	20.69	22.0	0.0
40	QPSK	100	0	20.65	20.75	20.68	22.0	0.0
40	16QAM	1	1	20.66	20.73	20.63	22.0	0.0
40	64QAM	1	1	20.16	20.20	20.12	21.5	0.5
40	256QAM	1	1	18.03	18.18	18.10	19.5	2.5
Channel				517002	516000	516998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2556.01	2555	2554.99	(dBm)	(dB)
30	QPSK	1	1	20.65	20.75	20.73	22.0	0.0
Channel				516004	515000	515996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2562.02	2555	2560.48	(dBm)	(dB)
25	QPSK	1	1	20.69	20.78	20.69	22.0	0.0
Channel				515000	514000	514999	Tune-up limit (dBm)	MPR
Frequency (MHz)				2560	2555	2550	(dBm)	(dB)
20	QPSK	1	1	20.64	20.71	20.71	22.0	0.0
Channel				515502	515000	514998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2577.51	2554	2572.49	(dBm)	(dB)
15	QPSK	1	1	20.65	20.82	20.69	22.0	0.0
Channel				515004	515000	514996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2575.02	2555	2574.98	(dBm)	(dB)
10	QPSK	1	1	20.64	20.71	20.70	22.0	0.0

FCC_n41_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				502002	518598	520000	24.0	0.0
Frequency (MHz)				2546.01	2552.99	2550		
100	PI2 BPSK	1	1	23.26	23.41	23.30	24.0	0.0
100	PI2 BPSK	1	137	23.26	23.35	23.23		
100	PI2 BPSK	1	271	23.32	23.34	23.26	24.0	0.0
100	PI2 BPSK	135	0	23.25	23.34	23.27		
100	PI2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0
100	PI2 BPSK	135	138	23.27	23.42	23.33	24.0	0.0
100	PI2 BPSK	270	0	23.32	23.40	23.27		
100	QPSK	1	1	23.35	23.45	23.31	24.0	0.0
100	QPSK	1	137	23.29	23.38	23.30		
100	QPSK	1	271	23.19	23.34	23.27	24.0	0.0
100	QPSK	135	0	23.22	23.31	23.24		
100	QPSK	135	69	23.16	23.35	23.27	24.0	0.0
100	QPSK	135	138	23.24	23.36	23.29	24.0	0.0
100	QPSK	270	0	23.40	23.42	23.28	24.0	0.0
100	16QAM	1	1	23.30	23.27	23.31	24.0	0.0
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0
100	256QAM	1	1	21.83	21.95	21.87	22.5	1.5
Channel				506000	518598	518996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2547	2552.99	2544.98	(dBm)	(dB)
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0
Channel				507004	518598	518996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2550.99	2540.99	(dBm)	(dB)
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0
Channel				505002	518598	517000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2552.99	2555	(dBm)	(dB)
70	QPSK	1	1	23.26	23.30	23.18	24.0	0.0
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2534	2552.99	2558.99	(dBm)	(dB)
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0
Channel				504004	518598	530998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2552.99	2554.99	(dBm)	(dB)
50	QPSK	1	1	23.33	23.32	23.19	24.0	0.0
Channel				503002	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2552.99	2570	(dBm)	(dB)
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0
Channel				502000	518598	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2552.99	2574.98	(dBm)	(dB)
30	QPSK	1	1	23.26	23.38	23.21	24.0	0.0
Channel				501702	518598	535000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.01	2552.99	2577.5	(dBm)	(dB)
25	QPSK	1	1	23.15	23.32	23.04	24.0	0.0
Channel				501004	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2552.99	2575.99	(dBm)	(dB)
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0
Channel				501000	518598	535596	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2552.99	2582.48	(dBm)	(dB)
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0
Channel				500002	518598	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2493.01	2552.99	2585	(dBm)	(dB)
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0



FCC_n41(HPUE)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	536900			
Frequency (MHz)				2546.01	2592.99	2640			
100	P1/2 BPSK	1	1	26.17	26.30	26.22			
100	P1/2 BPSK	1	137	25.89	26.02	25.95	27.0	0.0	
100	P1/2 BPSK	1	271	25.79	25.90	25.84			
100	P1/2 BPSK	135	0	25.51	25.62	25.55	26.5	0.5	
100	P1/2 BPSK	135	69	25.88	26.01	25.95	27.0	0.0	
100	P1/2 BPSK	135	138	25.18	25.33	25.26	26.5	0.5	
100	P1/2 BPSK	270	0	25.37	25.52	25.44			
100	QPSK	1	1	25.96	26.02	25.93			
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0	
100	QPSK	1	271	25.82	25.94	25.86			
100	QPSK	135	0	25.07	25.10	25.01	26.0	1.0	
100	QPSK	135	69	25.96	25.98	25.92	27.0	0.0	
100	QPSK	135	138	25.03	25.05	25.08	26.0	1.0	
100	QPSK	270	0	24.95	25.08	25.00	26.0	1.0	
100	16QAM	1	1	25.14	25.25	25.15	26.0	1.0	
100	16QAM	1	1	25.62	25.72	25.62	24.5	2.5	
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.84	26.13	26.13	27.0	0.0	
Channel				507204	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0	
Channel				508200	518598	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	26.08	26.17	26.10	27.0	0.0	
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2522.02	2592.99	2659.99			
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	26.10	26.20	26.18	27.0	0.0	
Channel				505200	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	26.02	26.25	26.09	27.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0	
Channel				501702	518598	535990	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.01	2592.99	2677.5			
25	QPSK	1	1	26.05	26.25	26.25	27.0	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	26.08	26.17	26.16	27.0	0.0	
Channel				500700	518598	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2491.01	2592.99	2688			
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0	

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	536900			
Frequency (MHz)				2546.01	2592.99	2640			
100	P1/2 BPSK	1	1	22.91	22.99	22.88			
100	P1/2 BPSK	1	137	22.88	22.91	22.86	23.5	0.0	
100	P1/2 BPSK	1	271	22.90	22.96	22.85			
100	P1/2 BPSK	135	0	22.93	22.93	22.79	23.5	0.0	
100	P1/2 BPSK	135	69	22.82	22.85	22.88	23.5	0.0	
100	P1/2 BPSK	135	138	22.83	22.92	22.87	23.5	0.0	
100	P1/2 BPSK	270	0	22.84	22.85	22.86			
100	QPSK	1	1	22.91	23.00	22.92			
100	QPSK	1	137	22.83	22.99	22.90	23.5	0.0	
100	QPSK	1	271	22.94	22.95	22.88			
100	QPSK	135	0	22.93	22.85	22.80	23.5	0.0	
100	QPSK	135	69	22.94	22.95	22.92	23.5	0.0	
100	QPSK	135	138	22.81	22.90	22.88	23.5	0.0	
100	QPSK	270	0	22.86	22.92	22.88	23.5	0.0	
100	16QAM	1	1	22.92	22.90	22.82	23.5	0.0	
100	16QAM	1	1	22.90	22.95	22.80	23.5	0.0	
100	256QAM	1	1	21.88	22.00	21.90	23.0	0.5	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.85	22.87	22.81	23.5	0.0	
Channel				507204	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.93	22.99	22.89	23.5	0.0	
Channel				508200	518598	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.86	22.87	22.79	23.5	0.0	
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2522.02	2592.99	2659.99			
60	QPSK	1	1	22.82	22.93	22.89	23.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.82	22.84	22.79	23.5	0.0	
Channel				505200	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.80	22.94	22.85	23.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.82	22.92	22.91	23.5	0.0	
Channel				501702	518598	535990	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.01	2592.99	2677.5			
25	QPSK	1	1	22.92	22.97	22.93	23.5	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.93	22.95	22.87	23.5	0.0	
Channel				500700	518598	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.89	22.97	22.92	23.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2491.01	2592.99	2688			
10	QPSK	1	1	22.94	22.92	22.82	23.5	0.0	

FCC_n41(HPUE)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	536900			
Frequency (MHz)				2546.01	2592.99	2640			
100	P1/2 BPSK	1	1	25.66	25.61	25.57			
100	P1/2 BPSK	1	137	25.70	25.64	25.62	26.5	0.0	
100	P1/2 BPSK	1	271	25.59	25.62	25.59			
100	P1/2 BPSK	135	0	25.63	25.62	25.68	26.5	0.0	
100	P1/2 BPSK	135	69	25.63	25.63	25.61	26.5	0.0	
100	P1/2 BPSK	135	138	25.60	25.72	25.67	26.5	0.0	
100	P1/2 BPSK	270	0	25.68	25.62	25.64			
100	QPSK	1	1	25.72	25.75	25.70			
100	QPSK	1	137	25.67	25.60	25.64	26.5	0.0	
100	QPSK	1	271	25.65	25.62	25.58			
100	QPSK	135	0	25.52	25.57	25.46	26.5	0.0	
100	QPSK	135	69	25.55	25.74	25.68	26.5	0.0	
100	QPSK	135	138	25.48	25.48	25.47	26.5	0.0	
100	QPSK	270	0	25.46	25.52	25.43			
100	16QAM	1	1	25.53	25.62	25.52	26.5	0.0	
100	64QAM	1	1	24.13	24.21	24.12	25.0	1.5	
100	256QAM	1	1	22.20	22.26	22.16	23.0	3.5	
Channel				500202	518598	536900			
Frequency (MHz)				2546	2592.99	2644.38			
90	QPSK	1	1	25.87	25.65	25.56	26.5	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2587.01	2592.99	2604			
80	QPSK	1	1	25.83	25.71	25.55	26.5	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2571.01	2592.99	2605			
70	QPSK	1	1	25.68	25.72	25.61	26.5	0.0	
Channel				505200	518598	519998			
Frequency (MHz)				2562.01	2592.99	2609.98			
60	QPSK	1	1	25.57	25.62	25.61	26.5	0.0	
Channel				504204	518598	529998			
Frequency (MHz)				2552.01	2592.99	2604.98			
50	QPSK	1	1	25.65	25.68	25.56	26.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2543.01	2592.99	2620			
40	QPSK	1	1	25.48	25.72	25.54	26.5	0.0	
Channel				502200	518598	535998			
Frequency (MHz)				2531	2592.99	2624.98			
30	QPSK	1	1	25.68	25.63	25.63	26.5	0.0	
Channel				501200	518598	535000			
Frequency (MHz)				2508.51	2592.99	2627.5			
25	QPSK	1	1	25.54	25.63	25.56	26.5	0.0	
Channel				507204	518598	535998			
Frequency (MHz)				2508.02	2592.99	2624.99			
20	QPSK	1	1	25.57	25.68	25.56	26.5	0.0	
Channel				500700	518598	540698			
Frequency (MHz)				2503.5	2592.99	2602.48			
15	QPSK	1	1	25.59	25.60	25.57	26.5	0.0	
Channel				500200	518598	533000			
Frequency (MHz)				2501.01	2592.99	2605			
10	QPSK	1	1	25.70	25.65	25.55	26.5	0.0	



FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506202	518988	526000			
				2546.01	2592.99	2640			
100	P12 BPSK	1	1	19.26	19.41	19.27			
100	P12 BPSK	1	137	19.30	19.38	19.37	20.0	0.0	
100	P12 BPSK	1	271	19.32	19.41	19.39			
100	P12 BPSK	135	0	19.23	19.37	19.34	20.0	0.0	
100	P12 BPSK	135	69	19.27	19.32	19.39	20.0	0.0	
100	P12 BPSK	135	138	19.35	19.43	19.33	20.0	0.0	
100	P12 BPSK	270	0	19.28	19.41	19.28			
100	QPSK	1	1	19.30	19.45	19.40			
100	QPSK	1	137	19.25	19.31	19.35	20.0	0.0	
100	QPSK	1	271	19.33	19.44	19.33			
100	QPSK	135	0	19.34	19.41	19.32	20.0	0.0	
100	QPSK	135	69	19.30	19.42	19.35	20.0	0.0	
100	QPSK	135	138	19.28	19.35	19.25	20.0	0.0	
100	QPSK	270	0	19.30	19.33	19.31	20.0	0.0	
100	16QAM	1	1	19.28	19.38	19.39	20.0	0.0	
100	64QAM	1	1	19.32	19.33	19.34	20.0	0.0	
100	256QAM	1	1	19.28	19.44	19.39	20.0	0.0	
Channel									
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	19.34	19.32	19.39	20.0	0.0	
Channel									
Frequency (MHz)				507204	518988	526998	Tune-up limit (dBm)	MPR (dB)	
				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.30	19.37	19.38	20.0	0.0	
Channel									
Frequency (MHz)				506202	518988	531000	Tune-up limit (dBm)	MPR (dB)	
				2531.01	2592.99	2655			
70	QPSK	1	1	19.37	19.43	19.39	20.0	0.0	
Channel									
Frequency (MHz)				505000	518988	531996	Tune-up limit (dBm)	MPR (dB)	
				2524	2592.99	2659.98			
60	QPSK	1	1	19.32	19.38	19.30	20.0	0.0	
Channel									
Frequency (MHz)				504204	518988	532998	Tune-up limit (dBm)	MPR (dB)	
				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.23	19.33	19.30	20.0	0.0	
Channel									
Frequency (MHz)				503502	518988	534000	Tune-up limit (dBm)	MPR (dB)	
				2516.01	2592.99	2670			
40	QPSK	1	1	19.24	19.39	19.35	20.0	0.0	
Channel									
Frequency (MHz)				502200	518988	535996	Tune-up limit (dBm)	MPR (dB)	
				2511	2592.99	2674.98			
30	QPSK	1	1	19.24	19.43	19.26	20.0	0.0	
Channel									
Frequency (MHz)				501702	518988	535990	Tune-up limit (dBm)	MPR (dB)	
				2508.01	2592.99	2677.5			
25	QPSK	1	1	19.28	19.38	19.29	20.0	0.0	
Channel									
Frequency (MHz)				501204	518988	535998	Tune-up limit (dBm)	MPR (dB)	
				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.25	19.34	19.25	20.0	0.0	
Channel									
Frequency (MHz)				500700	518988	535996	Tune-up limit (dBm)	MPR (dB)	
				2503.5	2592.99	2682.48			
15	QPSK	1	1	19.28	19.37	19.33	20.0	0.0	
Channel									
Frequency (MHz)				500202	518988	537000	Tune-up limit (dBm)	MPR (dB)	
				2501.01	2592.99	2685			
10	QPSK	1	1	19.25	19.35	19.38	20.0	0.0	

FCC_n41(HPUE)_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506202	518988	528000			
				2546.01	2592.99	2640			
100	P12 BPSK	1	1	22.16	22.20	22.19			
100	P12 BPSK	1	137	22.08	22.20	22.06	23.0	0.0	
100	P12 BPSK	1	271	22.12	22.20	22.14			
100	P12 BPSK	135	0	22.05	22.14	22.19	23.0	0.0	
100	P12 BPSK	135	69	22.15	22.24	22.10	23.0	0.0	
100	P12 BPSK	135	138	22.17	22.11	22.16	23.0	0.0	
100	P12 BPSK	270	0	22.05	22.16	22.12			
100	QPSK	1	1	22.16	22.25	22.20			
100	QPSK	1	137	22.04	22.22	22.08	23.0	0.0	
100	QPSK	1	271	22.10	22.10	22.18			
100	QPSK	135	0	22.12	22.12	22.12	23.0	0.0	
100	QPSK	135	69	22.16	22.21	22.17	23.0	0.0	
100	QPSK	135	138	22.13	22.16	22.06	23.0	0.0	
100	QPSK	270	0	22.15	22.18	22.12	23.0	0.0	
100	16QAM	1	1	22.11	22.11	22.17	23.0	0.0	
100	64QAM	1	1	22.16	22.14	22.10	23.0	0.0	
100	256QAM	1	1	22.11	22.13	21.95	23.0	0.0	
Channel									
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	22.05	22.15	22.10	23.0	0.0	
Channel									
Frequency (MHz)				507204	518988	529998	Tune-up limit (dBm)	MPR (dB)	
				2546.02	2592.99	2649.99			
80	QPSK	1	1	22.17	22.11	22.15	23.0	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	22.04	22.22	22.17	23.0	0.0	
Channel									
Frequency (MHz)				505200	518988	531996	Tune-up limit (dBm)	MPR (dB)	
				2526	2592.99	2659.98			
60	QPSK	1	1	22.16	22.16	22.11	23.0	0.0	
Channel									
Frequency (MHz)				504204	518988	532998	Tune-up limit (dBm)	MPR (dB)	
				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.12	22.12	22.05	23.0	0.0	
Channel									
Frequency (MHz)				503202	518988	534000	Tune-up limit (dBm)	MPR (dB)	
				2516.01	2592.99	2670			
40	QPSK	1	1	22.04	22.11	22.15	23.0	0.0	
Channel									
Frequency (MHz)				502200	518988	535996	Tune-up limit (dBm)	MPR (dB)	
				2511	2592.99	2674.98			
30	QPSK	1	1	22.05	22.20	22.08	23.0	0.0	
Channel									
Frequency (MHz)				501702	518988	535990	Tune-up limit (dBm)	MPR (dB)	
				2508.01	2592.99	2677.5			
25	QPSK	1	1	22.07	22.24	22.14	23.0	0.0	
Channel									
Frequency (MHz)				501204	518988	535998	Tune-up limit (dBm)	MPR (dB)	
				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.06	22.16	22.13	23.0	0.0	
Channel									
Frequency (MHz)				500700	518988	535996	Tune-up limit (dBm)	MPR (dB)	
				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.16	22.11	22.14	23.0	0.0	
Channel									
Frequency (MHz)				500202	518988	537000	Tune-up limit (dBm)	MPR (dB)	
				2501.01	2592.99	2685			
10	QPSK	1	1	22.13	22.18	22.10	23.0	0.0	

FCC_n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506022	518958	528000			
100	P2 BPSK	1	1	20.77	20.82	20.84			
100	P2 BPSK	1	137	20.78	20.78	20.76	22.0		0.0
100	P2 BPSK	135	0	20.72	20.90	20.84			
100	P2 BPSK	135	68	20.80	20.87	20.80	22.0		0.0
100	P2 BPSK	135	136	20.75	20.87	20.76	22.0		0.0
100	P2 BPSK	135	138	20.82	20.81	20.78	22.0		0.0
100	P2 BPSK	270	0	20.75	20.87	20.80			
100	QPSK	1	1	20.86	20.91	20.85			
100	QPSK	1	137	20.76	20.84	20.87	22.0		0.0
100	QPSK	1	271	20.78	20.87	20.84			
100	QPSK	135	0	20.81	20.82	20.81	22.0		0.0
100	QPSK	135	68	20.85	20.85	20.83	22.0		0.0
100	QPSK	135	136	20.77	20.82	20.78	22.0		0.0
100	QPSK	270	0	20.82	20.84	20.80			
100	16QAM	1	1	20.82	20.88	20.75	22.0		0.0
100	64QAM	1	1	20.74	20.82	20.74	22.0		0.0
100	256QAM	1	1	20.73	20.89	20.78	22.0		0.0
Channel				506022	518958	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2561	2599.26	2644.98			
90	QPSK	1	1	20.73	20.86	20.83	22.0		0.0
Channel				507204	518958	528988	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.24	2592.58	2645.85			
80	QPSK	1	1	20.72	20.83	20.73	22.0		0.0
Channel				506022	518958	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2551.11	2592.29	2635			
70	QPSK	1	1	20.78	20.78	20.76	22.0		0.0
Channel				506200	518958	519955	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2599.29	2659.98			
60	QPSK	1	1	20.85	20.81	20.77	22.0		0.0
Channel				507204	518958	529798	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.24	2592.58	2645.85			
50	QPSK	1	1	20.77	20.79	20.85	22.0		0.0
Channel				505202	518958	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511.11	2592.29	2670			
40	QPSK	1	1	20.79	20.79	20.86	22.0		0.0
Channel				502200	518958	534995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.29	2674.98			
30	QPSK	1	1	20.78	20.78	20.88	22.0		0.0
Channel				507204	518958	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.24	2592.58	2670.98			
25	QPSK	1	1	20.71	20.78	20.79	22.0		0.0
Channel				500700	518958	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.29	2682.48			
15	QPSK	1	1	20.85	20.80	20.74	22.0		0.0
Channel				505202	518958	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.11	2592.29	2685			
10	QPSK	1	1	20.77	20.86	20.77	22.0		0.0

FCC_n41(HPUE)_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				500202	518598	536002	25.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	Pl2 BPSK	1	1	23.96	24.02	24.12	25.0	0.0
100	Pl2 BPSK	1	137	24.04	24.11	24.05		
100	Pl2 BPSK	1	271	24.08	24.05	24.11	25.0	0.0
100	Pl2 BPSK	135	0	24.01	24.13	24.06		
100	Pl2 BPSK	135	69	24.06	24.08	24.10	25.0	0.0
100	Pl2 BPSK	135	138	24.06	24.13	24.05		
100	Pl2 BPSK	270	0	23.98	24.07	23.98	25.0	0.0
100	QPSK	1	1	23.10	24.15	24.13		
100	QPSK	1	137	24.00	24.01	24.06	25.0	0.0
100	QPSK	1	271	24.01	24.00	24.10		
100	QPSK	135	0	23.99	24.10	24.07	25.0	0.0
100	QPSK	135	69	24.07	24.12	24.05		
100	QPSK	135	138	24.04	24.07	24.00	25.0	0.0
100	QPSK	270	0	24.03	24.09	24.01		
100	16QAM	1	1	24.04	24.06	24.01	25.0	0.0
100	16QAM	1	1	23.16	23.46	23.22		
100	256QAM	1	1	21.24	21.55	21.32	22.5	2.5
Channel				508200	518598	528698	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	23.98	24.01	24.03	25.0	0.0
Channel				507204	518598	529698	Tune-up limit	MPR
Frequency (MHz)				2636.02	2692.99	2648.99	(dBm)	(dB)
80	QPSK	1	1	24.08	24.05	24.04	25.0	0.0
Channel				505202	518598	531002	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2695	(dBm)	(dB)
70	QPSK	1	1	24.07	24.03	24.09	25.0	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2488	2642.99	2648.98	(dBm)	(dB)
60	QPSK	1	1	24.04	24.06	24.06	25.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2694.98	(dBm)	(dB)
50	QPSK	1	1	23.05	24.11	24.03	25.0	0.0
Channel				502002	518598	534002	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	24.08	24.04	24.04	25.0	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2411	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	24.05	24.11	24.10	25.0	0.0
Channel				501702	518598	535002	Tune-up limit	MPR
Frequency (MHz)				2603.51	2692.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	23.05	24.10	24.06	25.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2678.98	(dBm)	(dB)
20	QPSK	1	1	23.97	24.04	24.10	25.0	0.0
Channel				500700	518598	536002	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	24.02	24.11	24.07	25.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2494.91	2642.99	2488	(dBm)	(dB)
10	QPSK	1	1	24.04	24.03	24.10	25.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				63600	64166	64533			
40	PQ2 BPSK	1	1	19.76	19.80	19.87			
40	PQ2 BPSK	1	53	19.74	19.82	19.88	20.5	0.0	
40	PQ2 BPSK	1	104	19.71	19.83	19.88			
40	PQ2 BPSK	50	0	19.76	19.75	19.79	20.5	0.0	
40	PQ2 BPSK	50	26	19.70	19.71	19.65	20.5	0.0	
40	PQ2 BPSK	50	50	19.83	19.81	19.79			
40	PQ2 BPSK	100	0	19.72	19.83	19.77	20.5	0.0	
40	QPSK	1	1	19.76	19.85	19.80			
40	QPSK	1	53	19.72	19.77	19.76	20.5	0.0	
40	QPSK	1	104	19.65	19.77	19.77			
40	QPSK	50	0	19.74	19.75	19.72	20.5	0.0	
40	QPSK	50	26	19.77	19.83	19.75	20.5	0.0	
40	QPSK	50	50	19.75	19.82	19.69	20.5	0.0	
40	QPSK	100	0	19.65	19.80	19.79			
40	16QAM	1	1	19.67	19.77	19.76	20.5	0.0	
40	64QAM	1	1	19.73	19.77	19.75	20.5	0.0	
40	256QAM	1	1	19.84	19.90	19.86	19.5	1.0	
Channel				63600	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	19.76	19.84	19.86	20.5	0.0	
Channel				63624	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3630			
20	QPSK	1	1	19.74	19.75	19.79	20.5	0.0	
Channel				63694	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3662.43			
15	QPSK	1	1	19.77	19.78	19.79	20.5	0.0	
Channel				63700	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3664.98			
10	QPSK	1	1	19.66	19.78	19.77	20.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3660	3624.99	3684.98			
40	PQ2 BPSK	1	1	22.17	22.18	22.12			
40	PQ2 BPSK	1	53	22.11	22.19	22.14	23.0	0.0	
40	PQ2 BPSK	1	104	22.13	22.26	22.25			
40	PQ2 BPSK	50	0	22.15	22.13	22.13	23.0	0.0	
40	PQ2 BPSK	50	26	22.24	22.21	22.11	23.0	0.0	
40	PQ2 BPSK	50	50	22.17	22.26	22.21			
40	PQ2 BPSK	100	0	22.11	22.24	22.18	23.0	0.0	
40	QPSK	1	1	22.23	22.28	22.22			
40	QPSK	1	53	22.23	22.24	22.16	23.0	0.0	
40	QPSK	1	104	22.11	22.24	22.15			
40	QPSK	50	0	22.10	22.26	22.11	23.0	0.0	
40	QPSK	50	26	22.23	22.27	22.15	23.0	0.0	
40	QPSK	50	50	22.20	22.14	22.08	23.0	0.0	
40	QPSK	100	0	22.15	22.23	22.18			
40	16QAM	1	1	22.11	22.25	22.18	23.0	0.0	
40	64QAM	1	1	21.34	21.40	21.25	21.5	1.5	
40	256QAM	1	1	18.98	19.00	18.98	19.5	3.5	
Channel				63700	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	22.16	22.18	22.11	23.0	0.0	
Channel				63724	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3630			
20	QPSK	1	1	22.24	22.15	22.09	23.0	0.0	
Channel				63780	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3662.43			
15	QPSK	1	1	22.14	22.14	22.11	23.0	0.0	
Channel				63700	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3664.98			
10	QPSK	1	1	22.23	22.24	22.07	23.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3660	3624.99	3684.98			
40	PQ2 BPSK	1	1	18.15	18.22	18.15			
40	PQ2 BPSK	1	53	18.19	18.17	18.08	19.0	0.0	
40	PQ2 BPSK	1	104	18.15	18.14	18.14			
40	PQ2 BPSK	50	0	18.11	18.17	18.20	19.0	0.0	
40	PQ2 BPSK	50	26	18.08	18.22	18.12	19.0	0.0	
40	PQ2 BPSK	50	50	18.16	18.19	18.11			
40	PQ2 BPSK	100	0	18.15	18.11	18.14	19.0	0.0	
40	QPSK	1	1	18.20	18.26	18.22			
40	QPSK	1	53	18.13	18.12	18.15	19.0	0.0	
40	QPSK	1	104	18.13	18.18	18.13			
40	QPSK	50	0	18.14	18.11	18.08	19.0	0.0	
40	QPSK	50	26	18.17	18.23	18.14	19.0	0.0	
40	QPSK	50	50	18.10	18.15	18.14	19.0	0.0	
40	QPSK	100	0	18.18	18.20	18.07			
40	16QAM	1	1	18.17	18.21	18.07	19.0	0.0	
40	64QAM	1	1	18.10	18.17	18.11	19.0	0.0	
40	256QAM	1	1	17.63	17.68	17.61	19.0	0.0	
Channel				63700	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	18.08	18.12	18.21	19.0	0.0	
Channel				63724	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3630			
20	QPSK	1	1	18.19	18.17	18.14	19.0	0.0	
Channel				63780	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3662.43			
15	QPSK	1	1	18.05	18.17	18.08	19.0	0.0	
Channel				63700	64166	64533	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3664.98			
10	QPSK	1	1	18.17	18.13	18.12	19.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	
Channel				63600	64166	64532	
Frequency (MHz)				18.93	19.73	19.63	
40	PQ2 BPSK	1	1	19.63	19.73	19.63	
40	PQ2 BPSK	1	63	19.63	19.68	19.54	20.5
40	PQ2 BPSK	1	104	19.58	19.64	19.54	
40	PQ2 BPSK	90	0	19.63	19.65	19.48	20.5
40	PQ2 BPSK	90	26	19.60	19.70	19.60	20.5
40	PQ2 BPSK	90	56	19.51	19.65	19.48	
40	PQ2 BPSK	100	0	19.45	19.63	19.53	20.5
40	QPSK	1	1	19.70	19.64	19.76	
40	QPSK	1	63	19.64	19.75	19.65	20.5
40	QPSK	1	104	19.69	19.72	19.65	
40	QPSK	90	0	19.63	19.70	19.63	20.5
40	QPSK	90	26	19.71	19.70	19.73	20.5
40	QPSK	90	56	19.62	19.65	19.63	20.5
40	QPSK	100	0	19.60	19.70	19.63	
40	8QAM	1	1	19.72	19.75	19.63	20.5
40	8QAM	1	1	19.65	19.72	19.69	20.5
40	256QAM	1	1	18.99	19.09	19.38	19.5
Channel				63700	64166	64532	
Frequency (MHz)				3955.02	3954.99	3954.99	
30	QPSK	1	1	19.72	19.74	19.66	20.5
Channel				63721	64166	64532	
Frequency (MHz)				3950.01	3954.99	3950	
20	QPSK	1	1	19.66	19.73	19.65	20.5
Channel				63710	64166	64532	
Frequency (MHz)				3957.52	3954.99	3957.49	
15	QPSK	1	1	19.71	19.75	19.71	20.5
Channel				63710	64166	64532	
Frequency (MHz)				3955	3954.99	3954.98	
10	QPSK	1	1	19.66	19.73	19.73	20.5

Part27Q_n77_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	
Channel				63330	63332		
Frequency (MHz)				20.34			
100	PQ2 BPSK	1	1	20.34			
100	PQ2 BPSK	1	137	20.29			21.0
100	PQ2 BPSK	1	271	20.30			
100	PQ2 BPSK	135	0	20.32			21.0
100	PQ2 BPSK	135	69	20.32			21.0
100	PQ2 BPSK	135	138	20.28			21.0
100	PQ2 BPSK	270	0	20.25			21.0
100	QPSK	1	1	20.38			
100	QPSK	1	137	20.32			21.0
100	QPSK	1	271	20.32			
100	QPSK	135	0	20.32			21.0
100	QPSK	135	69	20.36			21.0
100	QPSK	135	138	20.23			21.0
100	QPSK	270	0	20.21			21.0
100	16QAM	1	1	20.27			21.0
100	64QAM	1	1	20.30			21.0
100	256QAM	1	1	20.35			21.0
Channel				63300	63300	63300	
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	20.34	20.33	20.24	21.0
Channel				63300	63300	63300	
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	20.34	20.31	20.29	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	20.35	20.32	20.28	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	20.28	20.29	20.23	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3475.02	3499.98	3520	
50	QPSK	1	1	20.23	20.29	20.19	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3470.01	3499.98	3520.98	
40	QPSK	1	1	20.34	20.29	20.24	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	20.26	20.28	20.29	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	20.36	20.24	20.30	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	20.34	20.22	20.28	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3457.5	3499.98	3542.48	
15	QPSK	1	1	20.31	20.23	20.27	21.0
Channel				63293	63300	63300	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	20.28	20.32	20.40	21.0

Part27Q_n77(HPUE)_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	
Channel				63330	63332		
Frequency (MHz)				23.14			
100	PQ2 BPSK	1	1	23.14			
100	PQ2 BPSK	1	137	23.19			24.0
100	PQ2 BPSK	1	271	23.03			
100	PQ2 BPSK	135	0	23.01			24.0
100	PQ2 BPSK	135	69	23.19			24.0
100	PQ2 BPSK	135	138	23.12			24.0
100	PQ2 BPSK	270	0	23.08			24.0
100	QPSK	1	1	23.15			
100	QPSK	1	137	23.12			24.0
100	QPSK	1	271	23.02			
100	QPSK	135	0	23.01			24.0
100	QPSK	135	69	23.14			24.0
100	QPSK	135	138	23.13			24.0
100	QPSK	270	0	23.05			24.0
100	16QAM	1	1	23.02			24.0
100	64QAM	1	1	23.05			24.0
100	256QAM	1	1	23.03			22.5
Channel				63300	63300	63300	
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	23.01	23.09	23.01	24.0
Channel				63300	63300	63300	
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	23.03	23.09	23.04	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	23.09	22.97	23.03	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	23.14	23.10	22.98	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3475.02	3499.98	3520	
50	QPSK	1	1	23.09	23.11	22.96	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3470.01	3499.98	3520.98	
40	QPSK	1	1	23.02	22.98	23.04	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	23.11	23.08	22.97	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	23.09	23.11	22.93	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	23.09	23.04	22.93	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3457.5	3499.98	3542.48	
15	QPSK	1	1	23.10	23.06	23.04	24.0
Channel				63293	63300	63300	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	23.01	23.03	23.01	24.0

Part27O_n77_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Midb Ch. Freq.	Power/ Hgh. Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				66000	66000	66000			
Frequency (MHz)									
100	PIQ BPSK	1	1	20.36	20.34	20.42			
100	PIQ BPSK	1	137	20.34	20.40	20.41	21.0	0.0	
100	PIQ BPSK	1	271	20.33	20.45	20.37			
100	PIQ BPSK	135	5	20.34	20.33	20.40	21.0	0.0	
100	PIQ BPSK	135	69	20.26	20.34	20.42	21.0	0.0	
100	PIQ BPSK	135	138	20.38	20.36	20.30			
100	PIQ BPSK	270	5	20.35	20.43	20.30	21.0	0.0	
100	QPSK	1	1	20.40	20.47	20.40			
100	QPSK	1	137	20.34	20.42	20.34	21.0	0.0	
100	QPSK	1	271	20.32	20.35	20.32			
100	QPSK	135	5	20.27	20.33	20.30	21.0	0.0	
100	QPSK	135	69	20.33	20.45	20.47	21.0	0.0	
100	QPSK	135	138	20.30	20.32	20.41	21.0	0.0	
100	QPSK	270	5	20.25	20.44	20.43			
100	16QAM	1	1	20.27	20.32	20.33	21.0	0.0	
100	16QAM	1	1	20.29	20.40	20.37	21.0	0.0	
100	256QAM	1	1	20.28	20.37	20.42	21.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	20.26	20.36	20.40	21.0	0.0	
Channel				3745.01	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	20.37	20.41	20.40	21.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	20.37	20.33	20.44	21.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	20.36	20.39	20.32	21.0	0.0	
Channel				3745.01	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	20.32	20.44	20.37	21.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	20.36	20.43	20.39	21.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	20.28	20.35	20.40	21.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	20.31	20.34	20.44	21.0	0.0	
Channel				3745.01	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	20.34	20.44	20.36	21.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	20.28	20.36	20.36	21.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	20.25	20.40	20.30	21.0	0.0	

Part27O_n77(HPUe)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Midb Ch. Freq.	Power/ Hgh. Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				66000	66000	66000			
Frequency (MHz)									
100	PIQ BPSK	1	1	23.21	23.24	23.23			
100	PIQ BPSK	1	137	23.26	23.23	23.11	24.0	0.0	
100	PIQ BPSK	1	271	23.19	23.32	23.19			
100	PIQ BPSK	135	5	23.19	23.29	23.16	24.0	0.0	
100	PIQ BPSK	135	69	23.15	23.32	23.24	24.0	0.0	
100	PIQ BPSK	135	138	23.21	23.35	23.16	24.0	0.0	
100	PIQ BPSK	270	5	23.19	23.39	23.16			
100	QPSK	1	1	23.26	23.26	23.25			
100	QPSK	1	137	23.19	23.24	23.17	24.0	0.0	
100	QPSK	1	271	23.13	23.23	23.12			
100	QPSK	135	5	23.15	23.29	23.10	24.0	0.0	
100	QPSK	135	69	23.23	23.37	23.24	24.0	0.0	
100	QPSK	135	138	23.24	23.24	23.16	24.0	0.0	
100	QPSK	270	5	23.27	23.29	23.23			
100	16QAM	1	1	23.14	23.26	23.26	24.0	0.0	
100	16QAM	1	1	23.15	23.22	23.16	24.0	0.0	
100	256QAM	1	1	21.82	21.85	21.73	22.5	1.5	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	23.20	23.30	23.22	24.0	0.0	
Channel				3745.01	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	23.24	23.30	23.22	24.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	23.25	23.31	23.20	24.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	23.16	23.25	23.22	24.0	0.0	
Channel				3745.01	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	23.17	23.21	23.23	24.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	23.15	23.27	23.17	24.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	23.16	23.20	23.17	24.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	23.16	23.26	23.17	24.0	0.0	
Channel				3745.01	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	23.22	23.27	23.16	24.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	23.13	23.27	23.22	24.0	0.0	
Channel				3745.00	3745.00	3745.00	Turn-up test (dB)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	23.25	23.26	23.11	24.0	0.0	

Part27Q_n77_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	19.26	19.35	19.35	0.0
100	PQ2 BPSK	1	137	19.27	19.35	19.35	0.0
100	PQ2 BPSK	1	271	19.38	19.35	19.35	0.0
100	PQ2 BPSK	135	5	19.29	19.35	19.35	0.0
100	PQ2 BPSK	135	69	19.35	19.35	19.35	0.0
100	PQ2 BPSK	135	139	19.35	19.35	19.35	0.0
100	PQ2 BPSK	270	0	19.30	19.35	19.35	0.0
100	QPSK	1	1	19.40	19.35	19.35	0.0
100	QPSK	1	137	19.39	19.35	19.35	0.0
100	QPSK	1	271	19.39	19.35	19.35	0.0
100	QPSK	135	5	19.25	19.35	19.35	0.0
100	QPSK	135	69	19.36	19.35	19.35	0.0
100	QPSK	135	139	19.25	19.35	19.35	0.0
100	QPSK	270	0	19.27	19.35	19.35	0.0
100	16QAM	1	1	19.27	19.35	19.35	0.0
100	64QAM	1	1	19.31	19.35	19.35	0.0
100	256QAM	1	1	19.28	19.35	19.35	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	19.19	19.22	19.35	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	19.25	19.21	19.39	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	19.15	19.22	19.39	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	19.29	19.28	19.34	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	19.19	19.20	19.28	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	19.22	19.20	19.30	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.25	19.34	19.35	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	19.15	19.27	19.32	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.22	19.31	19.35	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.26	19.28	19.35	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.22	19.25	19.35	0.0

Part27Q_n77(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	22.18	22.27	22.27	0.0
100	PQ2 BPSK	1	137	22.27	22.27	22.27	0.0
100	PQ2 BPSK	1	271	22.23	22.27	22.27	0.0
100	PQ2 BPSK	135	5	22.30	22.27	22.27	0.0
100	PQ2 BPSK	135	69	22.31	22.27	22.27	0.0
100	PQ2 BPSK	135	139	22.25	22.27	22.27	0.0
100	PQ2 BPSK	270	0	22.25	22.27	22.27	0.0
100	QPSK	1	1	22.25	22.27	22.27	0.0
100	QPSK	1	137	22.29	22.27	22.27	0.0
100	QPSK	1	271	22.29	22.27	22.27	0.0
100	QPSK	135	5	22.18	22.27	22.27	0.0
100	QPSK	135	69	22.32	22.27	22.27	0.0
100	QPSK	135	139	22.20	22.27	22.27	0.0
100	QPSK	270	0	22.21	22.27	22.27	0.0
100	16QAM	1	1	22.20	22.27	22.27	0.0
100	64QAM	1	1	22.20	22.27	22.27	0.0
100	256QAM	1	1	21.78	22.27	22.27	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.26	22.20	22.19	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.21	22.16	22.24	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.18	22.19	22.27	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.16	22.09	22.25	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.19	22.17	22.23	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.15	22.12	22.20	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.13	22.09	22.25	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.18	22.19	22.23	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.26	22.13	22.27	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.22	22.20	22.27	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.13	22.20	22.29	0.0

Part27Q_n77_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	MPR [dB]
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	19.31	19.26	19.34	0.0
100	PQ2 BPSK	1	137	19.23	19.31	19.30	0.0
100	PQ2 BPSK	1	271	19.32	19.26	19.29	0.0
100	PQ2 BPSK	135	5	19.27	19.29	19.27	0.0
100	PQ2 BPSK	135	69	19.22	19.32	19.30	0.0
100	PQ2 BPSK	135	139	19.19	19.28	19.31	0.0
100	PQ2 BPSK	270	0	19.22	19.31	19.33	0.0
100	QPSK	1	1	19.25	19.40	19.35	0.0
100	QPSK	1	137	19.24	19.39	19.33	0.0
100	QPSK	1	271	19.24	19.34	19.29	0.0
100	QPSK	135	5	19.24	19.28	19.27	0.0
100	QPSK	135	69	19.24	19.31	19.28	0.0
100	QPSK	135	139	19.30	19.31	19.28	0.0
100	QPSK	270	0	19.22	19.30	19.29	0.0
100	16QAM	1	1	19.20	19.28	19.24	0.0
100	64QAM	1	1	19.21	19.27	19.26	0.0
100	256QAM	1	1	19.18	19.38	19.31	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	19.25	19.18	19.19	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	19.25	19.23	19.17	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	19.19	19.13	19.19	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	19.25	19.15	19.13	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	19.14	19.13	19.19	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	19.12	19.19	19.15	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.19	19.15	19.14	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	19.13	19.20	19.20	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.14	19.16	19.23	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.17	19.13	19.14	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.22	19.14	19.26	0.0

Part27O_n77(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidB Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				660000	660000	660000			
Frequency (MHz)				21.90	21.90	21.90			
100	F3/2 BPSK	1	1	22.08	22.08	21.98			
100	F3/2 BPSK	1	137	22.01	22.15	22.10	23.0	0.0	
100	F3/2 BPSK	1	271	22.07	22.11	22.08			
100	F3/2 BPSK	135	0	22.10	22.08	22.07	23.0	0.0	
100	F3/2 BPSK	135	69	22.07	22.12	22.02	23.0	0.0	
100	F3/2 BPSK	135	158	22.14	22.05	22.10	23.0	0.0	
100	F3/2 BPSK	270	0	22.12	22.14	22.01			
100	QPSK	1	1	22.15	22.20	22.12			
100	QPSK	1	137	22.08	22.11	22.06	23.0	0.0	
100	QPSK	1	271	22.08	22.12	22.07			
100	QPSK	135	0	22.09	22.08	22.06	23.0	0.0	
100	QPSK	135	69	22.14	22.15	22.05	23.0	0.0	
100	QPSK	135	158	22.13	22.12	22.02	23.0	0.0	
100	QPSK	270	0	22.06	22.10	22.06			
100	BQAM	1	1	22.08	22.08	22.06	23.0	0.0	
100	BQAM	1	1	22.00	22.15	22.02	23.0	0.0	
100	SSBQAM	1	1	21.74	21.82	21.78	22.5	0.5	
Channel				670000	670000	670000			
Frequency (MHz)				3745.02	3640	3634.38			
90	QPSK	1	1	21.97	22.18	21.90	23.0	0.0	
Channel				674333	670000	669666			
Frequency (MHz)				3740.01	3640	3639.39			
80	QPSK	1	1	22.04	22.07	22.02	23.0	0.0	
Channel				676000	670000	669666			
Frequency (MHz)				3735	3640	3640			
70	QPSK	1	1	21.99	22.12	21.95	23.0	0.0	
Channel				676000	670000	669333			
Frequency (MHz)				3730.02	3640	3640.38			
60	QPSK	1	1	22.04	22.10	21.91	23.0	0.0	
Channel				676333	670000	669333			
Frequency (MHz)				3725.01	3640	3654.38			
50	QPSK	1	1	22.08	22.06	21.99	23.0	0.0	
Channel				676000	670000	669000			
Frequency (MHz)				3720	3640	3660			
40	QPSK	1	1	21.99	22.10	21.97	23.0	0.0	
Channel				676000	670000	668333			
Frequency (MHz)				3715.02	3640	3664.38			
30	QPSK	1	1	22.08	22.08	21.95	23.0	0.0	
Channel				676000	670000	668000			
Frequency (MHz)				3712.5	3640	3667.5			
25	QPSK	1	1	21.97	22.17	21.99	23.0	0.0	
Channel				676333	670000	668000			
Frequency (MHz)				3710.51	3640	3668.50			
20	QPSK	1	1	22.14	22.05	21.99	23.0	0.0	
Channel				676168	670000	668333			
Frequency (MHz)				3707.52	3640	3672.40			
15	QPSK	1	1	21.92	22.08	22.02	23.0	0.0	
Channel				676000	670000	668000			
Frequency (MHz)				3705	3640	3670			
10	QPSK	1	1	22.08	22.15	21.98	20.0	0.0	



Part27Q_n77_Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Intvl (dBm)	MPR (dB)
Channel				63332	63332	63332		
Frequency (MHz)				3499.98	3499.98	3499.98		
100	F3/2 BPSK	1	1	17.53	17.53	17.53		
100	F3/2 BPSK	1	137	17.58	17.58	17.58	18.5	0.0
100	F3/2 BPSK	1	271	17.63	17.63	17.63		
100	F3/2 BPSK	135	0	17.57	17.57	17.57	18.5	0.0
100	F3/2 BPSK	135	69	17.65	17.65	17.65		
100	F3/2 BPSK	135	138	17.55	17.55	17.55	18.5	0.0
100	F3/2 BPSK	270	0	17.58	17.58	17.58		
100	QPSK	1	1	17.60	17.60	17.60		
100	QPSK	1	137	17.52	17.52	17.52	18.5	0.0
100	QPSK	1	271	17.60	17.60	17.60		
100	QPSK	135	0	17.58	17.58	17.58	18.5	0.0
100	QPSK	135	69	17.61	17.61	17.61		
100	QPSK	135	138	17.54	17.54	17.54	18.5	0.0
100	QPSK	270	0	17.61	17.61	17.61		
100	BQAM	1	1	17.58	17.58	17.58	18.5	0.0
100	BQAM	1	1	17.53	17.53	17.53	18.5	0.0
100	BQAM	1	1	17.58	17.58	17.58	18.5	0.0
Channel				63360	63360	63360		
Frequency (MHz)				3495	3499.98	3504.98		
90	QPSK	1	1	17.51	17.54	17.51	18.5	0.0
Channel				63388	63388	63388		
Frequency (MHz)				3490.02	3499.98	3509		
80	QPSK	1	1	17.49	17.52	17.61	18.5	0.0
Channel				63416	63416	63416		
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	17.47	17.55	17.54	18.5	0.0
Channel				63444	63444	63444		
Frequency (MHz)				3480	3499.98	3519.98		
60	QPSK	1	1	17.52	17.46	17.48	18.5	0.0
Channel				63472	63472	63472		
Frequency (MHz)				3475.02	3499.98	3529		
50	QPSK	1	1	17.57	17.51	17.47	18.5	0.0
Channel				63500	63500	63500		
Frequency (MHz)				3470.01	3499.98	3539.98		
40	QPSK	1	1	17.52	17.52	17.57	18.5	0.0
Channel				63528	63528	63528		
Frequency (MHz)				3465	3499.98	3549.98		
30	QPSK	1	1	17.50	17.45	17.55	18.5	0.0
Channel				63556	63556	63556		
Frequency (MHz)				3462.51	3499.98	3559.98		
25	QPSK	1	1	17.47	17.48	17.60	18.5	0.0
Channel				63584	63584	63584		
Frequency (MHz)				3460.02	3499.98	3569		
20	QPSK	1	1	17.44	17.53	17.55	18.5	0.0
Channel				63612	63612	63612		
Frequency (MHz)				3457.5	3499.98	3574.98		
15	QPSK	1	1	17.57	17.54	17.61	18.5	0.0
Channel				63640	63640	63640		
Frequency (MHz)				3455.01	3499.98	3584.98		
10	QPSK	1	1	17.55	17.54	17.49	18.5	0.0



Part27Q_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	20.41	20.41	20.41		21.5	0.0
100	PQ2 BPSK	1	137	20.64	20.64	20.64			
100	PQ2 BPSK	1	271	20.94	20.94	20.94			
100	PQ2 BPSK	135	0	20.64	20.64	20.64		21.5	0.0
100	PQ2 BPSK	135	69	20.54	20.54	20.54		21.5	0.0
100	PQ2 BPSK	135	138	20.54	20.54	20.54		21.5	0.0
100	PQ2 BPSK	270	0	20.55	20.55	20.55		21.5	0.0
100	QPSK	1	1	20.55	20.55	20.55			
100	QPSK	1	137	20.57	20.57	20.57			
100	QPSK	1	271	20.52	20.52	20.52		21.5	0.0
100	QPSK	135	0	20.54	20.54	20.54		21.5	0.0
100	QPSK	135	69	20.55	20.55	20.55		21.5	0.0
100	QPSK	135	138	20.55	20.55	20.55		21.5	0.0
100	QPSK	270	0	20.55	20.55	20.55		21.5	0.0
100	ISQAM	1	1	20.51	20.51	20.51		21.5	0.0
100	ISQAM	1	1	20.51	20.51	20.51		21.5	0.0
100	256QAM	1	1	20.60	20.60	20.60		21.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.46	20.43	20.51		21.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.52	20.45	20.48		21.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.47	20.44	20.53		21.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.50	20.45	20.54		21.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.51	20.40	20.53		21.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.52	20.43	20.49		21.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.58	20.44	20.56		21.5	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.47	20.48	20.52		21.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.52	20.50	20.50		21.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.42	20.42	20.48		21.5	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.52	20.50	20.51		21.5	0.0

Part27O_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (dBm)	Power High Ch. Freq. (dBm)	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	17.74	17.75	17.89		18.5	0.0
100	PQ2 BPSK	1	137	17.73	17.82	17.83			
100	PQ2 BPSK	1	271	17.66	17.81	17.74			
100	PQ2 BPSK	135	0	17.78	17.72	17.71		18.5	0.0
100	PQ2 BPSK	135	69	17.67	17.83	17.76		18.5	0.0
100	PQ2 BPSK	135	138	17.64	17.82	17.74		18.5	0.0
100	PQ2 BPSK	270	0	17.71	17.79	17.79		18.5	0.0
100	QPSK	1	1	17.70	17.85	17.77		18.5	0.0
100	QPSK	1	137	17.73	17.81	17.78			
100	QPSK	1	271	17.78	17.72	17.70			
100	QPSK	135	0	17.64	17.80	17.83		18.5	0.0
100	QPSK	135	69	17.70	17.82	17.75		18.5	0.0
100	QPSK	135	138	17.70	17.78	17.63		18.5	0.0
100	QPSK	270	0	17.74	17.75	17.64		18.5	0.0
100	ISQAM	1	1	17.69	17.72	17.69		18.5	0.0
100	ISQAM	1	1	17.72	17.83	17.63		18.5	0.0
100	256QAM	1	1	17.78	17.70	17.69		18.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.64	17.82	17.85		18.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.60	17.85	17.85		18.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.51	17.88	17.82		18.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.60	17.75	17.55		18.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.44	17.69	17.68		18.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.61	17.62	17.67		18.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.67	17.65	17.65		18.5	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.69	17.62	17.60		18.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.67	17.76	17.61		18.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.63	17.68	17.63		18.5	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.62	17.75	17.61		18.5	0.0

Part27O_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	20.50	20.53	20.61		21.5	0.0
100	PQ2 BPSK	1	137	20.58	20.57	20.58			
100	PQ2 BPSK	1	271	20.59	20.57	20.65			
100	PQ2 BPSK	135	0	20.65	20.53	20.61		21.5	0.0
100	PQ2 BPSK	135	69	20.64	20.51	20.54		21.5	0.0
100	PQ2 BPSK	135	138	20.54	20.58	20.65		21.5	0.0
100	PQ2 BPSK	270	0	20.57	20.58	20.55		21.5	0.0
100	QPSK	1	1	20.55	20.60	20.64		21.5	0.0
100	QPSK	1	137	20.52	20.64	20.59			
100	QPSK	1	271	20.50	20.58	20.62			
100	QPSK	135	0	20.61	20.61	20.63		21.5	0.0
100	QPSK	135	69	20.61	20.55	20.61		21.5	0.0
100	QPSK	135	138	20.61	20.63	20.61		21.5	0.0
100	QPSK	270	0	20.58	20.55	20.52		21.5	0.0
100	ISQAM	1	1	20.55	20.62	20.59		21.5	0.0
100	ISQAM	1	1	20.58	20.52	20.59		21.5	0.0
100	256QAM	1	1	20.60	20.58	20.61		21.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.61	20.57	20.63		21.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.59	20.61	20.54		21.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.58	20.58	20.63		21.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.64	20.54	20.61		21.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.51	20.61	20.62		21.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.52	20.59	20.52		21.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.55	20.59	20.63		21.5	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.52	20.59	20.59		21.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.52	20.53	20.51		21.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.51	20.61	20.59		21.5	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.55	20.55	20.63		21.5	0.0

Part27Q_n77_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	
Channel				63332	63332	63332	
Frequency (MHz)				3496.98	3496.98	3496.98	
100	PI2 BPSK	1	1	21.26			
100	PI2 BPSK	1	137	21.21			22.0
100	PI2 BPSK	1	271	21.27			0.0
100	PI2 BPSK	135	0	21.22			22.0
100	PI2 BPSK	135	69	21.26			0.0
100	PI2 BPSK	135	135	21.30			22.0
100	PI2 BPSK	270	0	21.31			0.0
100	QPSK	1	1	21.32			
100	QPSK	1	137	21.27			
100	QPSK	1	271	21.23			22.0
100	QPSK	135	0	21.17			0.0
100	QPSK	135	69	21.26			22.0
100	QPSK	135	135	21.25			0.0
100	QPSK	270	0	21.23			22.0
100	16QAM	1	1	21.25			0.0
100	64QAM	1	1	21.27			22.0
100	256QAM	1	1	21.22			0.0
Channel				63300	63360	63360	MPR
Frequency (MHz)				3490.02	3499.98	3504.99	0.0
90	QPSK	1	1	21.09	21.23	21.14	22.0
Channel				63300	63332	63400	MPR
Frequency (MHz)				3490.02	3499.98	3510	0.0
80	QPSK	1	1	21.18	21.24	21.18	22.0
Channel				63332	63332	63412	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	0.0
70	QPSK	1	1	21.20	21.25	21.22	22.0
Channel				63360	63332	63400	MPR
Frequency (MHz)				3480	3499.98	3519.98	0.0
60	QPSK	1	1	21.19	21.11	21.14	22.0
Channel				63332	63332	63400	MPR
Frequency (MHz)				3475.02	3499.98	3525	0.0
50	QPSK	1	1	21.22	21.22	21.22	22.0
Channel				63332	63332	63412	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	0.0
40	QPSK	1	1	21.10	21.21	21.13	22.0
Channel				63332	63332	63400	MPR
Frequency (MHz)				3465	3499.98	3534.99	0.0
30	QPSK	1	1	21.16	21.21	21.16	22.0
Channel				63332	63332	63412	MPR
Frequency (MHz)				3462.01	3499.98	3537.48	0.0
25	QPSK	1	1	21.10	21.21	21.22	22.0
Channel				63360	63332	63400	MPR
Frequency (MHz)				3460.02	3499.98	3540	0.0
20	QPSK	1	1	21.14	21.26	21.14	22.0
Channel				63300	63332	63400	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	0.0
15	QPSK	1	1	21.11	21.16	21.18	22.0
Channel				63332	63332	63412	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	0.0
10	QPSK	1	1	21.11	21.11	21.14	22.0

Part27Q_n77(HPUE)_Ant 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Turn-up time (ms)	MPR (dB)
Channel				63332	63332	63332		
Frequency (MHz)				24.07	24.07	24.07		
100	PI2 BPSK	1	1	24.07				
100	PI2 BPSK	1	137	24.09			25.0	0.0
100	PI2 BPSK	1	271	24.15				
100	PI2 BPSK	135	0	24.14			25.0	0.0
100	PI2 BPSK	135	69	24.19			25.0	0.0
100	PI2 BPSK	135	135	24.09			25.0	0.0
100	PI2 BPSK	270	0	24.20				
100	QPSK	1	1	24.22				
100	QPSK	1	137	24.08			25.0	0.0
100	QPSK	1	271	24.09				
100	QPSK	135	0	24.17			25.0	0.0
100	QPSK	135	69	24.20			25.0	0.0
100	QPSK	135	135	24.13			25.0	0.0
100	QPSK	270	0	24.11				
100	16QAM	1	1	22.44			24.5	0.0
100	64QAM	1	1	21.46			22.5	0.0
Channel				63300	63332	63360		MPR
Frequency (MHz)				3495	3499.98	3504.99	25.0	
90	QPSK	1	1	24.05	24.07	24.09	25.0	0.0
Channel				63360	63332	63400		MPR
Frequency (MHz)				3490.02	3499.98	3510	25.0	
80	QPSK	1	1	24.03	24.07	24.09	25.0	0.0
Channel				63332	63332	63412		MPR
Frequency (MHz)				3485.01	3499.98	3514.98	25.0	
70	QPSK	1	1	24.01	24.04	24.10	25.0	0.0
Channel				63360	63332	63400		MPR
Frequency (MHz)				3480	3499.98	3519.98	25.0	
60	QPSK	1	1	24.04	24.08	24.09	25.0	0.0
Channel				63332	63332	63400		MPR
Frequency (MHz)				3475.02	3499.98	3525	25.0	
50	QPSK	1	1	24.01	24.03	24.09	25.0	0.0
Channel				63332	63332	63412		MPR
Frequency (MHz)				3470.01	3499.98	3529.98	25.0	
40	QPSK	1	1	24.00	24.08	24.02	25.0	0.0
Channel				63300	63332	63400		MPR
Frequency (MHz)				3465	3499.98	3534.99	25.0	
30	QPSK	1	1	24.13	24.10	24.12	25.0	0.0
Channel				63332	63332	63412		MPR
Frequency (MHz)				3462.01	3499.98	3537.48	25.0	
25	QPSK	1	1	24.07	24.04	23.99	25.0	0.0
Channel				63360	63332	63400		MPR
Frequency (MHz)				3460.02	3499.98	3540	25.0	
20	QPSK	1	1	24.08	24.10	24.11	25.0	0.0
Channel				63300	63332	63400		MPR
Frequency (MHz)				3457.5	3499.98	3542.49	25.0	
15	QPSK	1	1	24.09	24.06	24.12	25.0	0.0
Channel				63332	63332	63412		MPR
Frequency (MHz)				3455.01	3499.98	3544.98	25.0	
10	QPSK	1	1	24.06	24.05	24.11	25.0	0.0

Part270_n77_Ant 8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med. Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				660000	666000	662000	
Frequency (MHz)							
100	PI2 BPSK	1	1	21.33	21.30	21.32	
100	PI2 BPSK	1	137	21.28	21.32	21.29	22.0
100	PI2 BPSK	1	271	21.22	21.38	21.31	
100	PI2 BPSK	135	5	21.28	21.35	21.26	22.0
100	PI2 BPSK	135	69	21.25	21.28	21.34	22.0
100	PI2 BPSK	135	138	21.30	21.37	21.25	
100	PI2 BPSK	270	5	21.28	21.26	21.31	22.0
100	QPSK	1	1	21.34	21.40	21.30	
100	QPSK	1	137	21.29	21.39	21.31	22.0
100	QPSK	1	271	21.27	21.26	21.28	
100	QPSK	135	5	21.20	21.25	21.28	22.0
100	QPSK	135	69	21.27	21.26	21.24	22.0
100	QPSK	135	138	21.25	21.28	21.31	22.0
100	QPSK	270	5	21.21	21.35	21.31	
100	ISQAM	1	1	21.33	21.32	21.34	22.0
100	ISQAM	1	1	21.29	21.26	21.25	22.0
100	ISQAM	1	1	21.30	21.30	21.29	22.0
Channel				670000	676000	672000	
Frequency (MHz)							
90	QPSK	1	1	21.22	21.27	21.19	22.0
Channel				670500	676500	670500	
Frequency (MHz)							
80	QPSK	1	1	21.14	21.31	21.17	22.0
Channel				671000	676000	673000	
Frequency (MHz)							
70	QPSK	1	1	21.16	21.22	21.09	22.0
Channel				671500	676000	673500	
Frequency (MHz)							
60	QPSK	1	1	21.15	21.22	21.18	22.0
Channel				672000	676000	674000	
Frequency (MHz)							
50	QPSK	1	1	21.13	21.34	21.16	22.0
Channel				672500	676000	674500	
Frequency (MHz)							
40	QPSK	1	1	21.21	21.34	21.15	22.0
Channel				673000	676000	674500	
Frequency (MHz)							
30	QPSK	1	1	21.22	21.34	21.08	22.0
Channel				673500	676000	675000	
Frequency (MHz)							
25	QPSK	1	1	21.23	21.27	21.19	22.0
Channel				674000	676000	675500	
Frequency (MHz)							
20	QPSK	1	1	21.12	21.25	21.13	22.0
Channel				674500	676000	675500	
Frequency (MHz)							
15	QPSK	1	1	21.14	21.26	21.11	22.0
Channel				675000	676000	675500	
Frequency (MHz)							
10	QPSK	1	1	21.11	21.08	21.06	22.0

Part270_n77(HPUe)_Ant 8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med. Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				660000	666000	662000	
Frequency (MHz)							
100	PI2 BPSK	1	1	24.25	24.30	24.21	
100	PI2 BPSK	1	137	24.29	24.31	24.17	25.0
100	PI2 BPSK	1	271	24.25	24.31	24.29	
100	PI2 BPSK	135	5	24.24	24.24	24.17	25.0
100	PI2 BPSK	135	69	24.22	24.30	24.16	25.0
100	PI2 BPSK	135	138	24.20	24.21	24.28	
100	PI2 BPSK	270	5	24.25	24.32	24.17	25.0
100	QPSK	1	1	24.20	24.30	24.31	
100	QPSK	1	137	24.18	24.29	24.28	25.0
100	QPSK	1	271	24.25	24.25	24.22	
100	QPSK	135	5	24.21	24.32	24.30	25.0
100	QPSK	135	69	24.18	24.30	24.28	25.0
100	QPSK	135	138	24.18	24.28	24.26	25.0
100	QPSK	270	5	24.29	24.31	24.18	
100	ISQAM	1	1	24.18	24.22	24.25	25.0
100	ISQAM	1	1	23.77	23.85	23.72	24.5
100	ISQAM	1	1	21.89	21.90	21.80	22.5
Channel				670000	676000	672000	
Frequency (MHz)							
90	QPSK	1	1	24.15	24.20	24.14	25.0
Channel				670500	676000	670500	
Frequency (MHz)							
80	QPSK	1	1	24.13	24.24	24.27	25.0
Channel				671000	676000	671000	
Frequency (MHz)							
70	QPSK	1	1	24.09	24.12	24.27	25.0
Channel				671500	676000	671500	
Frequency (MHz)							
60	QPSK	1	1	24.15	24.13	24.19	25.0
Channel				672000	676000	672000	
Frequency (MHz)							
50	QPSK	1	1	24.12	24.13	24.28	25.0
Channel				672500	676000	672500	
Frequency (MHz)							
40	QPSK	1	1	24.07	24.24	24.21	25.0
Channel				673000	676000	673000	
Frequency (MHz)							
30	QPSK	1	1	24.13	24.20	24.20	25.0
Channel				673500	676000	673500	
Frequency (MHz)							
25	QPSK	1	1	24.16	24.11	24.20	25.0
Channel				674000	676000	674000	
Frequency (MHz)							
20	QPSK	1	1	24.21	24.14	24.19	25.0
Channel				674500	676000	674500	
Frequency (MHz)							
15	QPSK	1	1	24.07	24.21	24.20	25.0
Channel				675000	676000	675000	
Frequency (MHz)							
10	QPSK	1	1	24.15	24.25	24.21	25.0



Part27Q_n78_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				63332			
Frequency (MHz)				3499.98			
100	PQ2 BPSK	1	1	20.17			
100	PQ2 BPSK	1	137	20.25		21.0	0.0
100	PQ2 BPSK	1	271	20.28			
100	PQ2 BPSK	135	0	20.21		21.0	0.0
100	PQ2 BPSK	135	69	20.20		21.0	0.0
100	PQ2 BPSK	135	135	20.23			
100	PQ2 BPSK	270	0	20.24		21.0	0.0
100	QPSK	1	1	20.30			
100	QPSK	1	137	20.26		21.0	0.0
100	QPSK	1	271	20.21			
100	QPSK	135	0	20.22		21.0	0.0
100	QPSK	135	69	20.26		21.0	0.0
100	QPSK	135	135	20.19			
100	QPSK	270	0	20.22			
100	SSB4M	1	1	20.17		21.0	0.0
100	SSB4M	1	1	20.22		21.0	0.0
100	SSB4M	1	1	20.17		21.0	0.0
Channel				63300	63360		
Frequency (MHz)				3495	3499.98	3504.98	
90	QPSK	1	1	20.27	20.16	20.20	21.0
Channel				63380	63320		
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	20.29	20.17	20.13	21.0
Channel				3485.01	3499.98	3514.98	
Frequency (MHz)				63320	63380		
70	QPSK	1	1	20.22	20.15	20.14	21.0
Channel				3480	3499.98	3519.98	
Frequency (MHz)				63360	63320		
60	QPSK	1	1	20.15	20.26	20.19	21.0
Channel				3475.02	3499.98	3520	
Frequency (MHz)				63320	63380		
50	QPSK	1	1	20.29	20.18	20.16	21.0
Channel				3470.01	3499.98	3520.98	
Frequency (MHz)				63300	63360		
40	QPSK	1	1	20.25	20.25	20.11	21.0
Channel				3465	3499.98	3524.98	
Frequency (MHz)				63360	63320		
30	QPSK	1	1	20.24	20.21	20.24	21.0
Channel				3460.01	3499.98	3527.48	
Frequency (MHz)				63320	63380		
25	QPSK	1	1	20.17	20.26	20.17	21.0
Channel				3455	3499.98	3530	
Frequency (MHz)				63300	63360		
20	QPSK	1	1	20.26	20.26	20.23	21.0
Channel				3450.01	3499.98	3534.48	
Frequency (MHz)				63260	63320		
15	QPSK	1	1	20.23	20.16	20.22	21.0
Channel				3445.01	3499.98	3534.98	
Frequency (MHz)				63300	63360		
10	QPSK	1	1	20.27	20.23	20.11	21.0

Part27Q_n78(HPUe)_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				63332			
Frequency (MHz)				3499.98			
100	PQ2 BPSK	1	1	22.92			
100	PQ2 BPSK	1	137	22.93		24.0	0.0
100	PQ2 BPSK	1	271	22.91			
100	PQ2 BPSK	135	0	22.95		24.0	0.0
100	PQ2 BPSK	135	69	23.00		24.0	0.0
100	PQ2 BPSK	135	135	22.95			
100	PQ2 BPSK	270	0	23.07		24.0	0.0
100	QPSK	1	1	23.03			
100	QPSK	1	137	23.02		24.0	0.0
100	QPSK	1	271	22.90			
100	QPSK	135	0	22.91		24.0	0.0
100	QPSK	135	69	22.95		24.0	0.0
100	QPSK	135	135	22.94			
100	QPSK	270	0	23.02			
100	SSB4M	1	1	22.91		24.0	0.0
100	SSB4M	1	1	22.95		24.0	0.0
100	SSB4M	1	1	21.74		22.5	1.5
Channel				63300	63360		
Frequency (MHz)				3495	3499.98	3504.98	
90	QPSK	1	1	22.95	22.88	23.01	24.0
Channel				63380	63320		
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	22.90	22.96	22.80	24.0
Channel				3485.01	3499.98	3514.98	
Frequency (MHz)				63320	63380		
70	QPSK	1	1	22.83	22.86	22.87	24.0
Channel				3480	3499.98	3519.98	
Frequency (MHz)				63360	63320		
60	QPSK	1	1	23.02	22.85	22.80	24.0
Channel				3475.02	3499.98	3520	
Frequency (MHz)				63320	63380		
50	QPSK	1	1	23.02	22.88	22.89	24.0
Channel				3470.01	3499.98	3520.98	
Frequency (MHz)				63300	63360		
40	QPSK	1	1	22.94	22.85	22.94	24.0
Channel				3465	3499.98	3524.98	
Frequency (MHz)				63360	63320		
30	QPSK	1	1	22.95	22.95	22.89	24.0
Channel				3460.01	3499.98	3527.48	
Frequency (MHz)				63320	63380		
25	QPSK	1	1	22.93	22.93	22.87	24.0
Channel				3455	3499.98	3530	
Frequency (MHz)				63300	63360		
20	QPSK	1	1	22.98	22.91	22.85	24.0
Channel				3450.01	3499.98	3534.48	
Frequency (MHz)				63260	63320		
15	QPSK	1	1	22.99	22.95	22.89	24.0
Channel				3445.01	3499.98	3534.98	
Frequency (MHz)				63300	63360		
10	QPSK	1	1	22.93	22.95	22.90	24.0

Part27Q_n78_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				66000			
Frequency (MHz)				3759.98			
100	PQ2 BPSK	1	1	20.35			
100	PQ2 BPSK	1	137	20.32		21.0	0.0
100	PQ2 BPSK	1	271	20.32			
100	PQ2 BPSK	135	0	20.34		21.0	0.0
100	PQ2 BPSK	135	69	20.32		21.0	0.0
100	PQ2 BPSK	135	135	20.36			
100	PQ2 BPSK	270	0	20.34		21.0	0.0
100	QPSK	1	1	20.40			
100	QPSK	1	137	20.31		21.0	0.0
100	QPSK	1	271	20.25			
100	QPSK	135	0	20.28		21.0	0.0
100	QPSK	135	69	20.35		21.0	0.0
100	QPSK	135	135	20.30			
100	QPSK	270	0	20.34			
100	SSB4M	1	1	20.29		21.0	0.0
100	SSB4M	1	1	20.30		21.0	0.0
100	SSB4M	1	1	20.36		21.0	0.0
Channel				66060	66000		
Frequency (MHz)				3745.92	3759	3754.98	
90	QPSK	1	1	20.34	20.34	20.35	21.0
Channel				66120	66060		
Frequency (MHz)				3740.01	3759	3759.98	
80	QPSK	1	1	20.38	20.28	20.25	21.0
Channel				3735.01	3759	3765	
Frequency (MHz)				66060	66120		
70	QPSK	1	1	20.29	20.32	20.34	21.0
Channel				3730.02	3759	3764.98	
Frequency (MHz)				66000	66060		
60	QPSK	1	1	20.25	20.27	20.23	21.0
Channel				3725.01	3759	3764.98	
Frequency (MHz)				66060	66120		
50	QPSK	1	1	20.35	20.22	20.31	21.0
Channel				3720	3759	3760	
Frequency (MHz)				66000	66060		
40	QPSK	1	1	20.35	20.23	20.29	21.0
Channel				3715.02	3759	3764.98	
Frequency (MHz)				66060	66120		
30	QPSK	1	1	20.35	20.23	20.35	21.0
Channel				3710.01	3759	3764.98	
Frequency (MHz)				66000	66060		
25	QPSK	1	1	20.37	20.31	20.28	21.0
Channel				3705.01	3759	3760	
Frequency (MHz)				66060	66120		
20	QPSK	1	1	20.24	20.22	20.34	21.0
Channel				3700.01	3759	3764.98	
Frequency (MHz)				66000	66060		
15	QPSK	1	1	20.27	20.30	20.28	21.0
Channel				3695.01	3759	3765	
Frequency (MHz)				66060	66120		
10	QPSK	1	1	20.21	20.31	20.28	21.0

Part27O_n78(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				23.0	23.0	23.0			
Frequency (MHz)				23.0	23.0	23.0			
100	F1/2 BPSK	1	1	23.28	23.28	23.28	24.0	0.0	
100	F1/2 BPSK	1	137	23.28	23.28	23.28	24.0	0.0	
100	F1/2 BPSK	1	271	23.28	23.28	23.28	24.0	0.0	
100	F1/2 BPSK	135	0	23.21	23.21	23.21	24.0	0.0	
100	F1/2 BPSK	135	69	23.21	23.21	23.21	24.0	0.0	
100	F1/2 BPSK	135	138	23.18	23.18	23.18	24.0	0.0	
100	F1/2 BPSK	270	0	23.22	23.22	23.22	24.0	0.0	
100	QPSK	1	1	23.30	23.30	23.30	24.0	0.0	
100	QPSK	1	137	23.28	23.28	23.28	24.0	0.0	
100	QPSK	1	271	23.28	23.28	23.28	24.0	0.0	
100	QPSK	135	0	23.15	23.15	23.15	24.0	0.0	
100	QPSK	135	69	23.15	23.15	23.15	24.0	0.0	
100	QPSK	135	138	23.16	23.16	23.16	24.0	0.0	
100	QPSK	270	0	23.26	23.26	23.26	24.0	0.0	
100	BQAM	1	1	23.23	23.23	23.23	24.0	0.0	
100	BQAM	1	1	23.27	23.27	23.27	24.0	0.0	
100	BQAM	1	1	21.85	21.85	22.5	22.5	1.5	
Channel				64868	65000	65232	23.0	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		
90	QPSK	1	1	23.21	23.16	23.23	24.0	0.0	
Channel				64833	65000	65167	23.0	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	QPSK	1	1	23.21	23.16	23.22	24.0	0.0	
Channel				64800	65000	65200	23.0	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1	23.21	23.14	23.12	24.0	0.0	
Channel				64768	65000	65232	23.0	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.98	(dBm)		
60	QPSK	1	1	23.28	23.10	23.22	24.0	0.0	
Channel				64733	65000	65267	23.0	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	QPSK	1	1	23.28	23.24	23.26	24.0	0.0	
Channel				64700	65000	65300	23.0	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1	23.31	23.14	23.23	24.0	0.0	
Channel				64668	65000	65332	23.0	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		
30	QPSK	1	1	23.29	23.12	23.22	24.0	0.0	
Channel				64630	65000	65370	23.0	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1	23.16	23.24	23.13	24.0	0.0	
Channel				64594	65000	65406	23.0	MPR (dB)	
Frequency (MHz)				3710.51	3750	3789.50	(dBm)		
20	QPSK	1	1	23.28	23.11	23.22	24.0	0.0	
Channel				64568	65000	65432	23.0	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)		
15	QPSK	1	1	23.18	23.11	23.22	24.0	0.0	
Channel				64530	65000	65470	23.0	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1	23.16	23.16	23.16	24.0	0.0	



Part27Q_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63332					
Frequency (MHz)				3493.98					
100	PB2 BPSK	1	1	19.30					
100	PB2 BPSK	1	137	19.21			20.0	0.0	
100	PB2 BPSK	1	271	19.28					
100	PB2 BPSK	135	0	19.32			20.0	0.0	
100	PB2 BPSK	135	69	19.30			20.0	0.0	
100	PB2 BPSK	135	138	19.29					
100	PB2 BPSK	270	0	19.19			20.0	0.0	
100	QPSK	1	1	19.33					
100	QPSK	1	137	19.16			20.0	0.0	
100	QPSK	1	271	19.23					
100	QPSK	135	0	19.31			20.0	0.0	
100	QPSK	135	69	19.32			20.0	0.0	
100	QPSK	135	138	19.23			20.0	0.0	
100	QPSK	270	0	19.25			20.0	0.0	
100	SSB-AM	1	1	19.21			20.0	0.0	
100	SSB-AM	1	1	19.25			20.0	0.0	
100	SSB-AM	1	1	19.27			20.0	0.0	
Channel				63360	63360				
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	19.08	19.17	19.25	20.0	0.0	
Channel				63388	63388				
Frequency (MHz)				3499.02	3499.98	3510			
80	QPSK	1	1	19.14	19.25	19.30	20.0	0.0	
Channel				63416	63416				
Frequency (MHz)				3495.01	3499.98	3514.98			
70	QPSK	1	1	19.20	19.30	19.30	20.0	0.0	
Channel				63444	63444				
Frequency (MHz)				3499.02	3499.98	3519.98			
60	QPSK	1	1	19.09	19.22	19.27	20.0	0.0	
Channel				63472	63472				
Frequency (MHz)				3495.01	3499.98	3524.98			
50	QPSK	1	1	19.09	19.26	19.26	20.0	0.0	
Channel				63500	63500				
Frequency (MHz)				3499.01	3499.98	3529.98			
40	QPSK	1	1	19.16	19.24	19.16	20.0	0.0	
Channel				63528	63528				
Frequency (MHz)				3495	3499.98	3534.98			
30	QPSK	1	1	19.10	19.30	19.16	20.0	0.0	
Channel				63556	63556				
Frequency (MHz)				3492.51	3499.98	3537.48			
25	QPSK	1	1	19.20	19.19	19.14	20.0	0.0	
Channel				63584	63584				
Frequency (MHz)				3499.02	3499.98	3542			
20	QPSK	1	1	19.19	19.31	19.15	20.0	0.0	
Channel				63612	63612				
Frequency (MHz)				3497.5	3499.98	3542.49			
15	QPSK	1	1	19.08	19.28	19.23	20.0	0.0	
Channel				63640	63640				
Frequency (MHz)				3495.01	3499.98	3544.98			
10	QPSK	1	1	19.19	19.22	19.24	20.0	0.0	

Part27Q_n78(HPUe)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63332					
Frequency (MHz)				3493.98					
100	PB2 BPSK	1	1	22.08					
100	PB2 BPSK	1	137	22.12			23.0	0.0	
100	PB2 BPSK	1	271	22.08					
100	PB2 BPSK	135	0	22.12			23.0	0.0	
100	PB2 BPSK	135	69	22.08			23.0	0.0	
100	PB2 BPSK	135	138	22.08			23.0	0.0	
100	PB2 BPSK	270	0	22.19			23.0	0.0	
100	QPSK	1	1	22.27					
100	QPSK	1	137	22.16			23.0	0.0	
100	QPSK	1	271	22.10					
100	QPSK	135	0	22.21			23.0	0.0	
100	QPSK	135	69	22.25			23.0	0.0	
100	QPSK	135	138	22.14			23.0	0.0	
100	QPSK	270	0	22.15			23.0	0.0	
100	SSB-AM	1	1	22.16			23.0	0.0	
100	SSB-AM	1	1	22.15			23.0	0.0	
100	SSB-AM	1	1	21.93			22.5	0.5	
Channel				63360	63360				
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	22.21	22.09	21.97	23.0	0.0	
Channel				63388	63388				
Frequency (MHz)				3499.02	3499.98	3510			
80	QPSK	1	1	22.10	22.07	22.06	23.0	0.0	
Channel				63416	63416				
Frequency (MHz)				3495.01	3499.98	3514.98			
70	QPSK	1	1	22.20	22.10	22.04	23.0	0.0	
Channel				63444	63444				
Frequency (MHz)				3499.02	3499.98	3519.98			
60	QPSK	1	1	22.20	22.14	22.06	23.0	0.0	
Channel				63472	63472				
Frequency (MHz)				3495.01	3499.98	3524.98			
50	QPSK	1	1	22.14	22.03	22.03	23.0	0.0	
Channel				63500	63500				
Frequency (MHz)				3499.01	3499.98	3529.98			
40	QPSK	1	1	22.13	22.04	22.08	23.0	0.0	
Channel				63528	63528				
Frequency (MHz)				3495	3499.98	3534.98			
30	QPSK	1	1	22.11	22.15	22.02	23.0	0.0	
Channel				63556	63556				
Frequency (MHz)				3492.51	3499.98	3537.48			
25	QPSK	1	1	22.16	22.09	22.07	23.0	0.0	
Channel				63584	63584				
Frequency (MHz)				3499.02	3499.98	3540			
20	QPSK	1	1	22.16	22.09	22.09	23.0	0.0	
Channel				63612	63612				
Frequency (MHz)				3497.5	3499.98	3542.49			
15	QPSK	1	1	22.08	22.15	22.07	23.0	0.0	
Channel				63640	63640				
Frequency (MHz)				3495.01	3499.98	3544.98			
10	QPSK	1	1	22.16	22.14	22.09	23.0	0.0	

Part27Q_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				66000					
Frequency (MHz)				3743					
100	PB2 BPSK	1	1	19.16					
100	PB2 BPSK	1	137	19.23			20.0	0.0	
100	PB2 BPSK	1	271	19.27					
100	PB2 BPSK	135	0	19.17			20.0	0.0	
100	PB2 BPSK	135	69	19.21			20.0	0.0	
100	PB2 BPSK	135	138	19.23			20.0	0.0	
100	PB2 BPSK	270	0	19.17			20.0	0.0	
100	QPSK	1	1	19.30					
100	QPSK	1	137	19.26			20.0	0.0	
100	QPSK	1	271	19.19					
100	QPSK	135	0	19.23			20.0	0.0	
100	QPSK	135	69	19.28			20.0	0.0	
100	QPSK	135	138	19.25			20.0	0.0	
100	QPSK	270	0	19.21			20.0	0.0	
100	SSB-AM	1	1	19.16			20.0	0.0	
100	SSB-AM	1	1	19.19			20.0	0.0	
100	SSB-AM	1	1	19.29			20.0	0.0	
Channel				66068	66068				
Frequency (MHz)				37434	37434		Tune-up limit	MPR	
50	QPSK	1	1	19.20	19.21	19.18	20.0	0.0	
Channel				66134	66134				
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
50	QPSK	1	1	19.20	19.20	19.19	20.0	0.0	
Channel				66000	66000	66100			
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
75	QPSK	1	1	19.07	19.22	19.01	20.0	0.0	
Channel				66068	66068	66130			
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
60	QPSK	1	1	19.18	19.17	19.02	20.0	0.0	
Channel				66134	66134	66168			
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
50	QPSK	1	1	19.10	19.15	19.14	20.0	0.0	
Channel				66000	66000	66200			
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
40	QPSK	1	1	19.18	19.15	19.14	20.0	0.0	
Channel				66068	66068	66230			
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
30	QPSK	1	1	19.16	19.16	19.00	20.0	0.0	
Channel				66000	66000	66260			
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
25	QPSK	1	1	19.07	19.22	19.03	20.0	0.0	
Channel				66134	66134	66268			
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
20	QPSK	1	1	19.12	19.14	19.00	20.0	0.0	
Channel				66118	66000	66282			
Frequency (MHz)				37434	37434	37434	Tune-up limit	MPR	
15	QPSK	1	1	19.16	19.16	19.00	20.0	0.0	
Channel				66000	66000	66300			
Frequency (MHz)				19.13	19.14	19.07	20.0	0.0	
10	QPSK	1	1	19.13	19.14	19.07	20.0	0.0	



Part27O_n78(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					3750				
100	F1/2 BPSK	1	1	22.00	22.08		23.0	0.0	
100	F1/2 BPSK	1	137	22.02	22.10		23.0	0.0	
100	F1/2 BPSK	1	271	22.04	22.12		23.0	0.0	
100	F1/2 BPSK	135	0	22.01	22.09		23.0	0.0	
100	F1/2 BPSK	135	69	22.11	22.19		23.0	0.0	
100	F1/2 BPSK	135	138	22.12	22.20		23.0	0.0	
100	F1/2 BPSK	270	0	22.13	22.21		23.0	0.0	
100	QPSK	1	1	22.08	22.16		23.0	0.0	
100	QPSK	1	137	22.12	22.20		23.0	0.0	
100	QPSK	135	0	22.02	22.10		23.0	0.0	
100	QPSK	135	69	22.11	22.19		23.0	0.0	
100	QPSK	135	138	22.04	22.12		23.0	0.0	
100	QPSK	270	0	22.09	22.17		23.0	0.0	
100	16QAM	1	1	22.01	22.09		23.0	0.0	
100	16QAM	1	1	22.02	22.10		23.0	0.0	
100	256QAM	1	1	21.90	22.00		22.5	0.5	
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	21.90	21.95	21.95	23.0	0.0	
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	21.95	21.91	21.90	23.0	0.0	
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.95	21.90	21.91	23.0	0.0	
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3730.02	3750	3760.98			
60	QPSK	1	1	21.87	21.91	21.91	23.0	0.0	
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	21.94	22.01	21.89	23.0	0.0	
Channel				84868	85000	85132	Tune-up Intvl	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.96	22.03	21.93	23.0	0.0	
Channel				84868	85000	85232	Tune-up Intvl	MPR	
Frequency (MHz)				3715.02	3750	3764.98			
30	QPSK	1	1	21.88	21.91	22.01	23.0	0.0	
Channel				84750	85000	85250	Tune-up Intvl	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	21.88	21.90	21.99	23.0	0.0	
Channel				84734	85000	85266	Tune-up Intvl	MPR	
Frequency (MHz)				3710.51	3750	3789.50			
20	QPSK	1	1	21.98	22.02	21.95	23.0	0.0	
Channel				84768	85000	85232	Tune-up Intvl	MPR	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	21.98	21.93	21.95	23.0	0.0	
Channel				84700	85000	85300	Tune-up Intvl	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.97	21.97	21.95	20.0	0.0	



Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633302	633332	633368			
100	P12 BPSK	1	1	17.40	17.44	17.44		18.5	0.0
100	P12 BPSK	1	137	17.44					
100	P12 BPSK	1	271	17.41					
100	P12 BPSK	135	0	17.53			18.5	0.0	
100	P12 BPSK	135	69	17.44			18.5	0.0	
100	P12 BPSK	135	138	17.48				18.5	0.0
100	P12 BPSK	270	0	17.52			18.5	0.0	
100	QPSK	1	1	17.55					
100	QPSK	1	137	17.42			18.5	0.0	
100	QPSK	1	271	17.45					
100	QPSK	135	0	17.44			18.5	0.0	
100	QPSK	135	69	17.52			18.5	0.0	
100	QPSK	135	138	17.51			18.5	0.0	
100	QPSK	270	0	17.46					
100	ISQAM	1	1	17.48			18.5	0.0	
100	ISQAM	1	1	17.47			18.5	0.0	
100	256QAM	1	1	17.49			18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633368			
90	QPSK	1	1	17.32	17.33	17.42	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633400			
80	QPSK	1	1	17.39	17.37	17.44	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633430 <th></th> <th colspan="2"></th>			
70	QPSK	1	1	17.34	17.46	17.47	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633468			
60	QPSK	1	1	17.37	17.35	17.41	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633500			
50	QPSK	1	1	17.36	17.44	17.40	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633530 <th></th> <th colspan="2"></th>			
40	QPSK	1	1	17.39	17.37	17.40	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633568			
30	QPSK	1	1	17.46	17.35	17.40	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633630 <th></th> <th colspan="2"></th>			
25	QPSK	1	1	17.44	17.28	17.38	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633600			
20	QPSK	1	1	17.33	17.45	17.42	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633698			
15	QPSK	1	1	17.37	17.29	17.41	18.5	0.0	
Channel									
Frequency (MHz)				633300	633332	633630 <th></th> <th colspan="2"></th>			
10	QPSK	1	1	17.37	17.48	17.39	18.5	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332	633332	633332			
100	P12 BPSK	1	1	20.48	20.48	20.48			
100	P12 BPSK	1	137	20.53			21.5	0.0	
100	P12 BPSK	1	271	20.57					
100	P12 BPSK	135	0	20.40			21.5	0.0	
100	P12 BPSK	135	69	20.52			21.5	0.0	
100	P12 BPSK	135	138	20.48					
100	P12 BPSK	270	0	20.55			21.5	0.0	
100	QPSK	1	1	20.58					
100	QPSK	1	137	20.57			21.5	0.0	
100	QPSK	1	271	20.48					
100	QPSK	135	0	20.50			21.5	0.0	
100	QPSK	135	69	20.59			21.5	0.0	
100	QPSK	135	138	20.52			21.5	0.0	
100	QPSK	270	0	20.53			21.5	0.0	
100	ISQAM	1	1	20.56			21.5	0.0	
100	ISQAM	1	1	20.50			21.5	0.0	
100	256QAM	1	1	20.52			21.5	0.0	
Channel				633300	633302	633308	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	20.35	20.37	20.39	21.5	0.0	
Channel				633302	633302	633300	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	20.38	20.39	20.49	21.5	0.0	
Channel				633302	633302	633302	Tune-up limit	MPR	
Frequency (MHz)				3488.01	3499.98	3514.98			
70	QPSK	1	1	20.45	20.33	20.45	21.5	0.0	
Channel				633300	633302	633308	Tune-up limit	MPR	
Frequency (MHz)				3485	3499.98	3519.99			
60	QPSK	1	1	20.45	20.34	20.42	21.5	0.0	
Channel				633302	633302	633300	Tune-up limit	MPR	
Frequency (MHz)				3476.02	3499.98	3525			
50	QPSK	1	1	20.42	20.33	20.44	21.5	0.0	
Channel				633302	633302	633302	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	20.40	20.30	20.44	21.5	0.0	
Channel				633300	633302	633308	Tune-up limit	MPR	
Frequency (MHz)				3485	3499.98	3534.99			
30	QPSK	1	1	20.44	20.35	20.39	21.5	0.0	
Channel				633302	633302	633302	Tune-up limit	MPR	
Frequency (MHz)				3492.01	3499.98	3537.48			
25	QPSK	1	1	20.33	20.43	20.48	21.5	0.0	
Channel				633302	633302	633302	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3540			
20	QPSK	1	1	20.37	20.43	20.46	21.5	0.0	
Channel				633302	633302	633302	Tune-up limit	MPR	
Frequency (MHz)				3497.5	3499.98	3542.40			
15	QPSK	1	1	20.40	20.30	20.43	21.5	0.0	
Channel				633302	633302	633302	Tune-up limit	MPR	
Frequency (MHz)				3495.01	3499.98	3544.98			
10	QPSK	1	1	20.33	20.41	20.45	21.5	0.0	

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000					
Frequency (MHz)				660000					
100	P12 BPSK	1	1	17.71					
100	P12 BPSK	1	137	17.71			18.5	0.0	
100	P12 BPSK	1	271	17.64					
100	P12 BPSK	135	0	17.86			18.5	0.0	
100	P12 BPSK	135	69	17.71			18.5	0.0	
100	P12 BPSK	135	138	17.82			18.5	0.0	
100	P12 BPSK	270	0	17.86			18.5	0.0	
100	QPSK	1	1	17.75					
100	QPSK	1	137	17.65			18.5	0.0	
100	QPSK	1	271	17.80					
100	QPSK	135	0	17.80			18.5	0.0	
100	QPSK	135	69	17.75			18.5	0.0	
100	QPSK	135	138	17.70			18.5	0.0	
100	QPSK	270	0	17.87			18.5	0.0	
100	ISQAM	1	1	17.74			18.5	0.0	
100	ISQAM	1	1	17.68			18.5	0.0	
100	256QAM	1	1	17.88			18.5	0.0	
Channel				649698	660000	660332	Tune-up limit	MPR	
Frequency (MHz)				375.67	375.67	375.67			
80	QPSK	1	1	17.62	17.51	17.59	17.55	0.0	
Channel				649698	660000	660698	Tune-up limit	MPR	
Frequency (MHz)				375.671	375.67	375.679			
80	QPSK	1	1	17.62	17.62	17.61	18.5	0.0	
Channel				649698	660000	661500	Tune-up limit	MPR	
Frequency (MHz)				375.67	375.67	375.67			
70	QPSK	1	1	17.40	17.53	17.55	18.5	0.0	
Channel				649698	660000	661510	Tune-up limit	MPR	
Frequency (MHz)				375.67	375.67	375.67			
60	QPSK	1	1	17.07	17.53	17.59	17.55	0.0	
Channel				649334	660000	661666	Tune-up limit	MPR	
Frequency (MHz)				375.511	375.67	375.829			
50	QPSK	1	1	17.56	17.56	17.56	18.5	0.0	
Channel				649800	660000	662000	Tune-up limit	MPR	
Frequency (MHz)				375.51	375.67	375.82			
40	QPSK	1	1	17.42	17.54	17.61	18.5	0.0	
Channel				647698	660000	662332	Tune-up limit	MPR	
Frequency (MHz)				375.32	375.67	375.99			
30	QPSK	1	1	17.40	17.61	17.64	18.5	0.0	
Channel				647500	660000	662600	Tune-up limit	MPR	
Frequency (MHz)				375.13	375.67	375.97			
25	QPSK	1	1	17.44	17.59	17.61	18.5	0.0	
Channel				647334	660000	662666	Tune-up limit	MPR	
Frequency (MHz)				375.011	375.67	375.989			
20	QPSK	1	1	17.48	17.57	17.51	18.5	0.0	
Channel				647168	660000	662832	Tune-up limit	MPR	
Frequency (MHz)				374.82	375.67	375.92			
15	QPSK	1	1	17.49	17.54	17.52	18.5	0.0	
Channel				647000	660000	663000	Tune-up limit	MPR	
Frequency (MHz)				374.67	375.67	375.99			
10	QPSK	1	1	17.55	17.60	17.62	18.5	0.0	



Part270_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				66000	66000				
Frequency (MHz)				20.50					
100	PSS BPSK	1	1	20.50			21.5	0.0	
100	PSS BPSK	1	137	20.50					
100	PSS BPSK	1	271	20.48			21.5	0.0	
100	PSS BPSK	135	0	20.52					
100	PSS BPSK	135	69	20.44			21.5	0.0	
100	PSS BPSK	135	135	20.48			21.5	0.0	
100	PSS BPSK	270	0	20.40					
100	QPSK	1	1	20.57			21.5	0.0	
100	QPSK	1	137	20.53					
100	QPSK	1	271	20.45					
100	QPSK	135	0	20.42			21.5	0.0	
100	QPSK	135	69	20.47			21.5	0.0	
100	QPSK	135	135	20.44			21.5	0.0	
100	QPSK	270	0	20.40			21.5	0.0	
100	SC-FDM	1	1	20.46			21.5	0.0	
100	SC-FDM	1	1	20.49			21.5	0.0	
100	SC-FDM	1	1	20.50			21.5	0.0	
Channel				66880	66880	66912			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	20.47	20.37	20.43	21.5	0.0	
Channel				67224	67224	67256			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	20.40	20.41	20.38	21.5	0.0	
Channel				67992	67992	68024			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.47	20.44	20.38	21.5	0.0	
Channel				68760	68760	68792			
Frequency (MHz)				3730.02	3750	3759.98			
60	QPSK	1	1	20.46	20.41	20.46	21.5	0.0	
Channel				69528	69528	69560			
Frequency (MHz)				3720.01	3750	3774.99			
50	QPSK	1	1	20.02	20.47	20.41	21.5	0.0	
Channel				69920	69920	69952			
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	1	20.54	20.46	20.48	21.5	0.0	
Channel				70688	70688	70720			
Frequency (MHz)				3718.02	3750	3764.98			
30	QPSK	1	1	20.54	20.41	20.44	21.5	0.0	
Channel				71456	71456	71488			
Frequency (MHz)				3712.5	3750	3767.5			
25	QPSK	1	1	20.43	20.40	20.37	21.5	0.0	
Channel				72224	72224	72256			
Frequency (MHz)				3710.01	3750	3769.99			
20	QPSK	1	1	20.46	20.40	20.42	21.5	0.0	
Channel				72992	72992	73024	Through limit		
Frequency (MHz)				3707.52	3750	3762.48			
15	QPSK	1	1	20.44	20.48	20.49	21.5	0.0	
Channel				73760	73760	73792	Through limit		
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	20.41	20.44	20.46	21.5	0.0	



Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63366	63366				
100	PQ2 BPSK	1	1	21.10					
100	PQ2 BPSK	1	137	21.22			22.0	0.0	
100	PQ2 BPSK	1	271	21.13					
100	PQ2 BPSK	135	0	21.14			22.0	0.0	
100	PQ2 BPSK	135	69	21.24			22.0	0.0	
100	PQ2 BPSK	135	138	21.14					
100	PQ2 BPSK	270	0	21.15			22.0	0.0	
100	QPSK	1	1	21.25					
100	QPSK	1	137	21.21			22.0	0.0	
100	QPSK	1	271	21.20					
100	QPSK	135	0	21.23			22.0	0.0	
100	QPSK	135	69	21.24			22.0	0.0	
100	QPSK	135	138	21.10			22.0	0.0	
100	QPSK	270	0	21.20					
100	16QAM	1	1	21.19			22.0	0.0	
100	8QAM	1	1	21.15			22.0	0.0	
100	256QAM	1	1	21.18			22.0	0.0	
Channel									
Frequency (MHz)				63390	63392	63396	Tune-up limit	MPR	
90	QPSK	1	1	21.05	21.12	21.15	22.0	0.0	
Channel									
Frequency (MHz)				63398	63392	63400 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
80	QPSK	1	1	20.88	21.12	21.07	22.0	0.0	
Channel									
Frequency (MHz)				63434	63392	63432 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
70	QPSK	1	1	21.08	21.09	21.07	22.0	0.0	
Channel									
Frequency (MHz)				63500	63392	63496 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
60	QPSK	1	1	21.01	21.15	21.14	22.0	0.0	
Channel									
Frequency (MHz)				63568	63392	63500 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
50	QPSK	1	1	20.98	21.12	21.14	22.0	0.0	
Channel									
Frequency (MHz)				63534	63392	63532 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
40	QPSK	1	1	21.04	21.13	21.13	22.0	0.0	
Channel									
Frequency (MHz)				63600	63392	63596 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
30	QPSK	1	1	21.03	21.15	21.15	22.0	0.0	
Channel									
Frequency (MHz)				63634	63392	63632 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
25	QPSK	1	1	21.05	21.16	21.13	22.0	0.0	
Channel									
Frequency (MHz)				63668	63392	63660 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
20	QPSK	1	1	21.06	21.09	21.16	22.0	0.0	
Channel									
Frequency (MHz)				63700	63392	63696 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
15	QPSK	1	1	21.01	21.22	21.14	22.0	0.0	
Channel									
Frequency (MHz)				63734	63392	63732 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
10	QPSK	1	1	21.02	21.16	21.14	22.0	0.0	

Part27Q_n78(HPUe)_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63332	63332	63332			
100	PQ2 BPSK	1	1	24.04	24.04	24.04			
100	PQ2 BPSK	1	137	24.09			25.0	0.0	
100	PQ2 BPSK	1	271	23.99					
100	PQ2 BPSK	135	0	24.05			25.0	0.0	
100	PQ2 BPSK	135	69	24.04			25.0	0.0	
100	PQ2 BPSK	135	138	23.98			25.0	0.0	
100	PQ2 BPSK	270	0	23.99			25.0	0.0	
100	QPSK	1	1	24.13			25.0	0.0	
100	QPSK	1	137	24.08					
100	QPSK	1	271	23.99					
100	QPSK	135	0	24.01			25.0	0.0	
100	QPSK	135	69	24.02			25.0	0.0	
100	QPSK	135	138	24.11			25.0	0.0	
100	QPSK	270	0	24.04					
100	8QAM	1	1	24.05			25.0	0.0	
100	8QAM	1	1	23.93			24.5	0.5	
100	256QAM	1	1	21.97			22.5	2.5	
Channel									
Frequency (MHz)				63390	63392	63398	Tune-up limit	MPR	
90	QPSK	1	1	24.02	24.11	23.97	25.0	0.0	
Channel									
Frequency (MHz)				63450	63450	63450	Tune-up limit	MPR	
80	QPSK	1	1	24.10	24.07	24.00	25.0	0.0	
Channel									
Frequency (MHz)				63485	63485	63485	Tune-up limit	MPR	
70	QPSK	1	1	24.08	24.05	24.02	25.0	0.0	
Channel									
Frequency (MHz)				63480	63480	63480	Tune-up limit	MPR	
60	QPSK	1	1	24.07	24.01	23.94	25.0	0.0	
Channel									
Frequency (MHz)				63500	63500	63500	Tune-up limit	MPR	
50	QPSK	1	1	24.02	24.05	24.07	25.0	0.0	
Channel									
Frequency (MHz)				63570	63570	63570	Tune-up limit	MPR	
40	QPSK	1	1	24.10	24.00	24.05	25.0	0.0	
Channel									
Frequency (MHz)				63600	63600	63606	Tune-up limit	MPR	
30	QPSK	1	1	24.11	24.09	24.08	25.0	0.0	
Channel									
Frequency (MHz)				63620	63620	63627	Tune-up limit	MPR	
25	QPSK	1	1	24.05	24.07	24.02	25.0	0.0	
Channel									
Frequency (MHz)				63660	63660	63666	Tune-up limit	MPR	
20	QPSK	1	1	24.02	24.08	24.09	25.0	0.0	
Channel									
Frequency (MHz)				63670	63670	63676	Tune-up limit	MPR	
15	QPSK	1	1	24.08	23.99	24.02	25.0	0.0	
Channel									
Frequency (MHz)				63680	63680	63682	Tune-up limit	MPR	
10	QPSK	1	1	23.99	24.06	24.00	25.0	0.0	

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PQ2 BPSK	1	1	21.31					
100	PQ2 BPSK	1	137	21.19			22.0	0.0	
100	PQ2 BPSK	1	271	21.26					
100	PQ2 BPSK	135	0	21.26			22.0	0.0	
100	PQ2 BPSK	135	69	21.25			22.0	0.0	
100	PQ2 BPSK	135	138	21.24			22.0	0.0	
100	PQ2 BPSK	270	0	21.18			22.0	0.0	
100	QPSK	1	1	21.35					
100	QPSK	1	137	21.29			22.0	0.0	
100	QPSK	1	271	21.23					
100	QPSK	135	0	21.17			22.0	0.0	
100	QPSK	135	69	21.26			22.0	0.0	
100	QPSK	135	138	21.19			22.0	0.0	
100	QPSK	270	0	21.25					
100	16QAM	1	1	21.26			22.0	0.0	
100	64QAM	1	1	21.17			22.0	0.0	
100	256QAM	1	1	21.22			22.0	0.0	
Channel				64968	65000	65032	Tune-up limit	MPR	
Frequency (MHz)				21.28	21.09	21.13			
90	QPSK	1	1	21.28	21.09	21.13	22.0	0.0	
Channel				64934	65006	65066	Tune-up limit	MPR	
Frequency (MHz)				21.28	21.09	21.17			
85	QPSK	1	1	21.18	21.17	21.08	22.0	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)				21.27	21.09	21.17			
76	QPSK	1	1	21.27	21.09	21.17	22.0	0.0	
Channel				64868	65000	65132	Tune-up limit	MPR	
Frequency (MHz)				21.27	21.09	21.17			
70	QPSK	1	1	21.20	21.14	21.12	22.0	0.0	
Channel				64834	65000	65166	Tune-up limit	MPR	
Frequency (MHz)				21.21	21.09	21.14			
65	QPSK	1	1	21.21	21.09	21.14	22.0	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				21.20	21.09	21.16			
45	QPSK	1	1	21.26	21.15	21.14	22.0	0.0	
Channel				64768	65000	65232	Tune-up limit	MPR	
Frequency (MHz)				21.25	21.09	21.14			
30	QPSK	1	1	21.20	21.07	21.17	22.0	0.0	
Channel				64750	65000	65200	Tune-up limit	MPR	
Frequency (MHz)				21.19	21.09	21.17			
25	QPSK	1	1	21.28	21.19	21.13	22.0	0.0	
Channel				64734	65006	65266	Tune-up limit	MPR	
Frequency (MHz)				21.28	21.09	21.16			
20	QPSK	1	1	21.22	21.20	21.15	22.0	0.0	
Channel				64718	65000	65232	Tune-up limit	MPR	
Frequency (MHz)				21.22	21.09	21.17			
16	QPSK	1	1	21.21	21.18	21.09	22.0	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR	
Frequency (MHz)				21.20	21.09	21.17			
15	QPSK	1	1	21.23	21.19	21.07	22.0	0.0	



Part270_n78(HPUE)_Ant 8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode	Power High Ch. / Freq.	Tune-up limit (dBm)	MPE (dB)
Channel				660000				
Frequency (MHz)				3750				
100	PQ2 BPSK	1	1		24.21			
100	PQ2 BPSK	1	137		24.12		25.0	0.0
100	PQ2 BPSK	1	271		24.20			
100	PQ2 BPSK	135	0		24.19		25.0	0.0
100	PQ2 BPSK	135	69		24.19		25.0	0.0
100	PQ2 BPSK	135	138		24.14		25.0	0.0
100	PQ2 BPSK	270	0		24.13		25.0	0.0
100	QPSK	1	1		24.25			
100	QPSK	1	137		24.19		25.0	0.0
100	QPSK	1	271		24.17			
100	QPSK	135	0		24.18		25.0	0.0
100	QPSK	135	69		24.22		25.0	0.0
100	QPSK	135	138		24.19		25.0	0.0
100	QPSK	270	0		24.20		25.0	0.0
100	16QAM	1	1		24.23		24.5	0.0
100	64QAM	1	1		25.02		24.5	0.5
100	256QAM	1	1		21.79		22.5	2.5
Channel				58988	59012	59232	Tune-up limit	MPE
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	24.15	24.06	24.09	25.0	0.0
Channel				54032	54050	54068	Tune-up limit	MPE
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	24.10	24.11	24.17	25.0	0.0
Channel				54090	54110	54130	Tune-up limit	MPE
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	24.17	24.08	24.22	25.0	0.0
Channel				54168	54190	54210	Tune-up limit	MPE
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	24.14	24.05	24.18	25.0	0.0
Channel				54232	54250	54268	Tune-up limit	MPE
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	24.16	24.03	24.10	25.0	0.0
Channel				54300	54320	54340	Tune-up limit	MPE
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	24.07	24.15	24.19	25.0	0.0
Channel				54368	54390	54410	Tune-up limit	MPE
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	24.05	24.05	24.17	25.0	0.0
Channel				54450	54470	54490	Tune-up limit	MPE
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	24.18	24.07	24.12	25.0	0.0
Channel				54534	54550	54568	Tune-up limit	MPE
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	24.08	24.01	24.22	25.0	0.0
Channel				54618	54630	54640	Tune-up limit	MPE
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	QPSK	1	1	24.13	24.08	24.19	25.0	0.0
Channel				54700	54700	54700	Tune-up limit	MPE
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	24.14	24.14	24.40	25.0	0.0



Reduced Power Mode for DSI11

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power MidCh / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	23.31	23.40	23.27	24.0	0.0	
40	Pl2 BPSK	1	108	23.28	23.33	23.21			
40	Pl2 BPSK	1	214	23.27	23.37	23.27			
40	Pl2 BPSK	108	0	22.77	22.92	22.83	23.5	0.5	
40	Pl2 BPSK	108	54	23.25	23.37	23.24	24.0	0.0	
40	Pl2 BPSK	108	108	22.92	23.00	22.93	23.5	0.5	
40	Pl2 BPSK	216	0	22.85	22.97	22.89	24.0	0.0	
40	QPSK	1	1	23.41	23.45	23.39			
40	QPSK	1	108	23.36	23.42	23.33			
40	QPSK	1	214	23.29	23.39	23.31	23.0	1.0	
40	QPSK	108	0	22.28	22.42	22.34			
40	QPSK	108	54	23.37	23.40	23.33			
40	QPSK	108	108	22.85	22.49	22.43	23.0	1.0	
40	QPSK	216	0	22.11	22.22	22.11	23.0	1.0	
40	16QAM	1	1	22.96	22.12	22.03	23.0	1.0	
40	64QAM	1	1	20.74	20.77	20.67	21.5	2.5	
40	256QAM	1	1	18.77	18.80	18.65	19.5	4.5	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)	
35	QPSK	1	1	23.27	23.33	23.34	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	24.0	0.0	
30	QPSK	1	1	23.28	23.37	23.29	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	23.29	23.32	23.30	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	23.32	23.40	23.33	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	23.34	23.35	23.34	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	23.31	23.40	23.29	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	23.28	23.40	23.32	24.0	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	P2 BPSK	1	1	21.61	21.62	21.57	22.5	0.0	
40	P2 BPSK	1	108	21.58	21.68	21.70			
40	P2 BPSK	1	214	21.59	21.75	21.57			
40	P2 BPSK	108	0	21.63	21.65	21.62	22.5	0.0	
40	P2 BPSK	108	54	21.64	21.65	21.63	22.5	0.0	
40	P2 BPSK	108	108	21.64	21.75	21.63	22.5	0.0	
40	P2 BPSK	216	0	21.56	21.74	21.67	22.5	0.0	
40	QPSK	1	1	21.70	21.76	21.72			
40	QPSK	1	108	21.56	21.72	21.67			
40	QPSK	1	214	21.58	21.72	21.65	22.5	0.0	
40	QPSK	108	0	21.57	21.64	21.66			
40	QPSK	108	54	21.69	21.75	21.70			
40	QPSK	108	108	21.66	21.73	21.65	22.5	0.0	
40	QPSK	216	0	21.55	21.75	21.68	22.5	0.0	
40	16QAM	1	1	21.85	21.70	21.68	22.5	1.0	
40	64QAM	1	1	20.65	20.70	20.66	21.5	1.0	
40	256QAM	1	1	18.73	18.75	18.72	19.5	3.0	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)	
35	QPSK	1	1	21.63	21.65	21.59	22.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)	(dB)	
30	QPSK	1	1	21.69	21.69	21.61	22.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	21.64	21.66	21.64	22.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	21.67	21.74	21.59	22.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	21.65	21.63	21.69	22.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	21.67	21.70	21.58	22.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	21.69	21.74	21.58	22.5	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pl2 BPSK	1	1	16.68	16.80	16.57	17.5	0.0	
40	Pl2 BPSK	1	108	16.56	16.61	16.68			
40	Pl2 BPSK	1	214	16.57	16.64	16.70			
40	Pl2 BPSK	108	0	16.69	16.55	16.65	17.5	0.0	
40	Pl2 BPSK	108	54	16.66	16.62	16.70	17.5	0.0	
40	Pl2 BPSK	108	108	16.63	16.60	16.61	17.5	0.0	
40	Pl2 BPSK	216	0	16.60	16.66	16.62	17.5	0.0	
40	QPSK	1	1	16.71	16.72	16.71			
40	QPSK	1	108	16.61	16.57	16.60			
40	QPSK	1	214	16.63	16.62	16.61	17.5	0.0	
40	QPSK	108	0	16.56	16.57	16.62			
40	QPSK	108	54	16.63	16.68	16.66			
40	QPSK	108	108	16.58	16.54	16.62	17.5	0.0	
40	QPSK	216	0	16.57	16.65	16.61	17.5	0.0	
40	16QAM	1	1	16.61	16.62	16.64	17.5	0.0	
40	64QAM	1	1	16.60	16.63	16.66	17.5	0.0	
40	256QAM	1	1	16.60	16.58	16.67	17.5	0.0	
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)	
35	QPSK	1	1	16.68	16.66	16.67	17.5	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)	(dB)	
30	QPSK	1	1	16.70	16.68	16.57	17.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	16.61	16.57	16.61	17.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	16.62	16.66	16.60	17.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	16.57	16.54	16.68	17.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	16.69	16.58	16.70	17.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	16.62	16.62	16.66	17.5	0.0	

n2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				375000	376000	376000	21.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	19.73	19.90	19.70	21.0	0.0	
40	PI2 BPSK	1	108	19.74	19.92	19.78			
40	PI2 BPSK	1	214	19.74	19.79	19.69			
40	PI2 BPSK	108	0	19.77	19.92	19.74			
40	PI2 BPSK	108	54	19.81	19.86	19.79	21.0	0.0	
40	PI2 BPSK	108	108	19.76	19.81	19.69			
40	PI2 BPSK	216	0	19.87	19.79	19.77			
40	QPSK	1	1	19.85	19.93	19.81			
40	QPSK	1	108	19.85	19.92	19.75	21.0	0.0	
40	QPSK	1	214	19.85	19.84	19.78			
40	QPSK	108	0	19.91	19.82	19.76			
40	QPSK	108	54	19.85	19.90	19.77			
40	QPSK	108	108	19.84	19.88	19.72	21.0	0.0	
40	QPSK	216	0	19.82	19.87	19.76			
40	16QAM	1	1	19.92	19.85	19.66		21.0	
40	64QAM	1	1	19.80	19.81	19.70			
40	256QAM	1	1	18.17	18.27	18.24	19.5	1.5	
Channel				373500	376000	376000	Tune-up limit (dBm)	MPR	
35	QPSK	1	1	19.83	19.92	19.79	21.0	0.0	
Channel				373000	376000	376000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1895	21.0	0.0	
30	QPSK	1	1	19.79	19.83	19.70			
Channel				372500	376000	376000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1897.5	21.0	0.0	
25	QPSK	1	1	19.79	19.92	19.72			
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1860	1880	1900	21.0	0.0	
20	QPSK	1	1	19.79	19.92	19.80			
Channel				371500	376000	380000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	21.0	0.0	
15	QPSK	1	1	19.75	19.87	19.75			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1905	21.0	0.0	
10	QPSK	1	1	19.76	19.84	19.75			
Channel				370500	376000	377000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1907.5	21.0	0.0	
5	QPSK	1	1	19.76	19.84	19.77			

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167300			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.89	22.86	24.0	0.0	
20	PI2 BPSK	1	53	22.80	22.83	22.74			
20	PI2 BPSK	1	104	22.76	22.79	22.70			
20	PI2 BPSK	50	0	22.29	22.42	22.33		23.5	0.5
20	PI2 BPSK	50	28	22.76	22.86	22.81	23.5	0.0	
20	PI2 BPSK	50	56	22.28	22.40	22.26			
20	PI2 BPSK	100	0	22.37	22.46	22.32			
20	QPSK	1	1	22.87	22.90	22.81			
20	QPSK	1	53	22.70	22.83	22.74	24.0	0.0	
20	QPSK	1	104	22.80	22.87	22.80			
20	QPSK	50	0	21.93	22.04	22.02		23.0	1.0
20	QPSK	50	28	22.83	22.87	22.80		24.0	0.0
20	QPSK	50	56	21.99	22.02	22.01	23.0	1.0	
20	QPSK	100	0	21.84	21.86	21.88			
20	16QAM	1	1	21.97	22.01	21.90		23.0	1.0
20	64QAM	1	1	20.46	20.50	20.37		21.5	2.5
20	256QAM	1	1	18.82	18.89	18.48	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.81	22.79	22.70			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.77	22.75	22.73			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.72	22.79	22.73			

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.68	22.77	22.83	24.0	0.0	
20	PI2 BPSK	1	53	22.60	22.74	22.59			
20	PI2 BPSK	1	104	22.82	22.70	22.85			
20	PI2 BPSK	50	0	22.28	22.33	22.32		23.5	0.5
20	PI2 BPSK	50	28	22.70	22.76	22.61	23.5	0.0	
20	PI2 BPSK	50	56	22.15	22.28	22.19			
20	PI2 BPSK	100	0	22.20	22.25	22.34			
20	QPSK	1	1	22.75	22.80	22.72			
20	QPSK	1	53	22.60	22.73	22.61	24.0	0.0	
20	QPSK	1	104	22.73	22.75	22.63			
20	QPSK	50	0	21.82	21.88	21.74		23.0	1.0
20	QPSK	50	28	22.85	22.77	22.87		24.0	0.0
20	QPSK	50	56	21.82	21.86	21.85	23.0	1.0	
20	QPSK	100	0	21.75	21.80	21.76			
20	16QAM	1	1	21.87	21.95	21.86		23.0	1.0
20	64QAM	1	1	20.35	20.38	20.25		21.5	2.5
20	256QAM	1	1	18.43	18.46	18.34	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	22.70	22.73	22.61			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.61	22.73	22.63			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.70	22.70	22.57			

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	510000	24.0	0.0	
Frequency (MHz)				2500	2535	2560			
40	Pl2 BPSK	1	1	23.32	23.40	23.28			
40	Pl2 BPSK	1	108	23.24	23.32	23.20			
40	Pl2 BPSK	1	214	23.36	23.38	23.29	23.5	0.5	
40	Pl2 BPSK	108	0	22.78	22.85	22.75			
40	Pl2 BPSK	108	54	23.30	23.34	23.31			
40	Pl2 BPSK	108	108	22.77	22.88	22.86			
40	Pl2 BPSK	216	0	22.85	22.90	22.86	24.0	0.0	
40	QPSK	1	1	23.44	23.45	23.42			
40	QPSK	1	108	23.30	23.39	23.24			
40	QPSK	1	214	23.23	23.33	23.21			
40	QPSK	108	0	22.32	22.39	22.34	23.0	1.0	
40	QPSK	108	54	23.26	23.41	23.35			
40	QPSK	108	108	22.32	22.38	22.36			
40	QPSK	216	0	22.25	22.35	22.26			
40	ISAM	1	1	22.26	22.40	22.37	23.0	1.0	
40	ISAM	1	1	20.86	20.93	20.84			
40	256QAM	1	1	18.77	18.88	18.73		19.5	
Channel				503500	507000	510500			
Frequency (MHz)				2517.5	2535	2552.5	24.0	0.0	
35	QPSK	1	1	23.32	23.39	23.31			
Channel				503000	507000	511000	24.0	MPR	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.35	23.40	23.36			
Channel				502000	507000	511500	24.0	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.29	23.30	23.31			
Channel				502000	507000	512000	24.0	MPR	
Frequency (MHz)				2512.5	2535	2560			
20	QPSK	1	1	23.39	23.39	23.31			
Channel				501500	507000	512500	24.0	MPR	
Frequency (MHz)				2512.5	2535	2562.5			
15	QPSK	1	1	23.35	23.31	23.30			
Channel				501000	507000	513000	24.0	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.37	23.30	23.32			
Channel				500500	507000	513500	24.0	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.36	23.31	23.31			

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	510000	22.0	0.0	
Frequency (MHz)				2500	2535	2560			
40	Pl2 BPSK	1	1	21.08	21.17	21.12			
40	Pl2 BPSK	1	108	21.09	21.07	21.17			
40	Pl2 BPSK	1	214	21.06	21.14	21.09	22.0	0.0	
40	Pl2 BPSK	108	0	21.01	21.20	21.19			
40	Pl2 BPSK	108	54	21.00	21.10	21.13			
40	Pl2 BPSK	108	108	21.02	21.17	21.18			
40	Pl2 BPSK	216	0	21.02	21.10	21.09	22.0	0.0	
40	QPSK	1	1	21.15	21.22	21.20			
40	QPSK	1	108	21.14	21.09	21.14			
40	QPSK	1	214	21.09	21.08	21.17			
40	QPSK	108	0	21.02	21.13	21.14	22.0	0.0	
40	QPSK	108	54	21.13	21.19	21.16			
40	QPSK	108	108	21.10	21.07	21.11			
40	QPSK	216	0	21.09	21.14	21.11			
40	ISAM	1	1	21.13	21.16	21.06	22.0	0.0	
40	ISAM	1	1	20.94	20.65	20.61			
40	256QAM	1	1	18.59	18.66	18.57		19.5	
Channel				503500	507000	510500			
Frequency (MHz)				2517.5	2535	2552.5	22.0	0.0	
35	QPSK	1	1	21.07	21.16	21.19			
Channel				503000	507000	511000	24.0	MPR	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.07	21.11	21.13			
Channel				502000	507000	511500	24.0	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.13	21.10	21.17			
Channel				502000	507000	512000	24.0	MPR	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	21.08	21.17	21.09			
Channel				501500	507000	512500	24.0	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.02	21.07	21.08			
Channel				501000	507000	513000	24.0	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.00	21.21	21.10			
Channel				500500	507000	513500	24.0	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.01	21.17	21.14			

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000	18.0	0.0	
Frequency (MHz)				2500	2535	2560			
40	Pl2 BPSK	1	1	17.29	17.27	17.27			
40	Pl2 BPSK	1	108	17.23	17.31	17.23			
40	Pl2 BPSK	1	214	17.29	17.26	17.29	18.0	0.0	
40	Pl2 BPSK	108	0	17.16	17.34	17.18			
40	Pl2 BPSK	108	54	17.15	17.30	17.20			
40	Pl2 BPSK	108	108	17.24	17.30	17.20			
40	Pl2 BPSK	216	0	17.15	17.30	17.17	18.0	0.0	
40	QPSK	1	1	17.30	17.37	17.32			
40	QPSK	1	108	17.16	17.36	17.20			
40	QPSK	1	214	17.27	17.36	17.18			
40	QPSK	108	0	17.16	17.28	17.19	18.0	0.0	
40	QPSK	108	54	17.21	17.30	17.25			
40	QPSK	108	108	17.19	17.26	17.17			
40	QPSK	216	0	17.15	17.24	17.19			
40	ISAM	1	1	17.22	17.33	17.29	18.0	0.0	
40	ISAM	1	1	17.28	17.30	17.21			
40	256QAM	1	1	17.27	17.22	17.26			
Channel				508000	507000	510500			
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	17.16	17.30	17.18			
Channel				503000	507000	511000	18.0	0.0	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	17.24	17.23	17.18			
Channel				502000	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	17.19	17.32	17.20			
Channel				502000	507000	512000	18.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	17.26	17.31	17.22			
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.20	17.28	17.20			
Channel				501000	507000	513000	18.0	0.0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.15	17.35	17.26			
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.16	17.32	17.28			
Channel				500000	507000	514000	18.0	0.0	



n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	510000	20.0	0.0	
Frequency (MHz)				2500	2535	2550			
40	Pl2 BPSK	1	1	18.90	18.95	18.91	20.0	0.0	
40	Pl2 BPSK	1	108	18.90	18.94	18.80			
40	Pl2 BPSK	1	214	18.91	18.93	18.82			
40	Pl2 BPSK	108	0	18.88	18.92	18.91	20.0	0.0	
40	Pl2 BPSK	108	54	18.90	18.89	18.84	20.0	0.0	
40	Pl2 BPSK	108	108	18.90	18.91	18.87	20.0	0.0	
40	Pl2 BPSK	216	0	18.89	18.85	18.80			
40	QPSK	1	1	18.93	18.90	18.92			
40	QPSK	1	108	18.78	18.93	18.85	20.0	0.0	
40	QPSK	1	214	18.85	18.85	18.82	20.0	0.0	
40	QPSK	108	0	18.76	18.81	18.69			
40	QPSK	108	54	18.75	18.85	18.90			
40	QPSK	108	108	18.71	18.80	18.72	20.0	0.0	
40	QPSK	216	0	18.72	18.76	18.68	20.0	0.0	
40	8QAM	1	1	18.80	18.85	18.81			
40	8QAM	1	1	18.89	18.85	18.88		20.0	
40	256QAM	1	1	18.29	18.34	18.20	19.5	0.5	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2552.5	20.0	0.0	
35	QPSK	1	1	18.90	18.85	18.84			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	20.0	0.0	
30	QPSK	1	1	18.78	18.88	18.82			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	20.0	0.0	
25	QPSK	1	1	18.87	18.92	18.81			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	20.0	0.0	
20	QPSK	1	1	18.85	18.88	18.79			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	20.0	0.0	
15	QPSK	1	1	18.81	18.96	18.82			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	20.0	0.0	
10	QPSK	1	1	18.90	18.90	18.78			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	20.0	0.0	
5	QPSK	1	1	18.87	18.99	18.91			

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.0	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.92	23.05	22.91	24.0	0.0	
15	Pl2 BPSK	1	40	23.01	23.08	22.99			
15	Pl2 BPSK	1	77	22.90	23.01	22.97			
15	Pl2 BPSK	36	0	22.49	22.99	22.96	23.5	0.5	
15	Pl2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	Pl2 BPSK	36	43	22.49	22.60	22.45	23.5	0.5	
15	Pl2 BPSK	75	0	22.46	22.52	22.43			
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90	24.0	0.0	
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.80	22.02	22.09	23.0	1.0	
15	QPSK	36	22	22.95	23.06	22.93	24.0	0.0	
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.96	21.83			
15	8QAM	1	1	21.94	22.06	21.99	23.0	1.0	
15	8QAM	1	1	20.80	20.72	20.64	21.5	2.5	
15	256QAM	1	1	18.54	18.55	18.54	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.0	0.0	
10	QPSK	1	1	22.99	22.96	22.82			
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.0	0.0	
5	QPSK	1	1	22.95	23.02	22.89			

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.0	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.72	22.85	22.79	24.0	0.0	
15	Pl2 BPSK	1	40	22.68	22.80	22.74			
15	Pl2 BPSK	1	77	22.73	22.78	22.69			
15	Pl2 BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	Pl2 BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	Pl2 BPSK	36	43	22.33	22.48	22.36	23.5	0.5	
15	Pl2 BPSK	75	0	22.32	22.45	22.35			
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77	24.0	0.0	
15	QPSK	1	77	22.68	22.81	22.75			
15	QPSK	36	0	21.85	21.86	21.79	23.0	1.0	
15	QPSK	36	22	22.72	22.85	22.84	24.0	0.0	
15	QPSK	36	43	21.73	21.84	21.76	23.0	1.0	
15	QPSK	75	0	21.80	21.81	21.76			
15	16QAM	1	1	21.72	21.75	21.60	23.0	1.0	
15	84QAM	1	1	20.28	20.39	20.31	21.5	2.5	
15	256QAM	1	1	18.35	18.40	18.32	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.0	0.0	
10	QPSK	1	1	22.78	22.84	22.73			
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.0	0.0	
5	QPSK	1	1	22.71	22.83	22.78			



n14_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158000			24.0	0.0
Frequency (MHz)				795				
10	Pliz BPSK	1	1		23.30		24.0	0.0
10	Pliz BPSK	1	26		23.22			
10	Pliz BPSK	1	50		23.28			
10	Pliz BPSK	25	0		22.75			
10	Pliz BPSK	25	14		23.25			
10	Pliz BPSK	25	27		22.77		23.5	0.5
10	Pliz BPSK	50	0		22.72		23.5	0.5
10	QPSK	1	1		23.37		24.0	0.0
10	QPSK	1	26		23.30			
10	QPSK	1	50		23.33			
10	QPSK	25	0		22.05			
10	QPSK	25	14		23.26			
10	QPSK	25	27		22.10		23.0	1.0
10	QPSK	50	0		22.02		23.0	1.0
10	16QAM	1	1		22.39		23.0	1.0
10	64QAM	1	1		20.88		21.5	2.5
10	256QAM	1	1		18.90		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5	24.0	0.0
5	QPSK	1	1	23.32	23.29	23.26	24.0	0.0

n14_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				158600			24.0	0.0
Frequency (MHz)				795				
10	Pliz BPSK	1	1		23.00		24.0	0.0
10	Pliz BPSK	1	26		23.02			
10	Pliz BPSK	1	50		22.96			
10	Pliz BPSK	25	0		22.58			
10	Pliz BPSK	25	14		22.99			
10	Pliz BPSK	25	27		22.50		23.5	0.5
10	Pliz BPSK	50	0		22.54		23.5	0.5
10	QPSK	1	1		23.07		24.0	0.0
10	QPSK	1	26		23.03			
10	QPSK	1	50		23.00			
10	QPSK	25	0		22.10			
10	QPSK	25	14		22.95			
10	QPSK	25	27		22.02		23.0	1.0
10	QPSK	50	0		22.07		23.0	1.0
10	16QAM	1	1		22.00		23.0	1.0
10	64QAM	1	1		20.44		21.5	2.5
10	256QAM	1	1		18.50		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5	24.0	0.0
5	QPSK	1	1	22.90	22.95	22.85	24.0	0.0

n25_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				376000	376500	376500	24.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	Pliz BPSK	1	1	23.29	23.44	23.43	24.0	0.0
40	Pliz BPSK	1	108	23.34	23.40	23.27		
40	Pliz BPSK	1	214	23.34	23.37	23.24		
40	Pliz BPSK	108	0	22.83	22.98	22.95		
40	Pliz BPSK	108	54	23.33	23.48	23.34		
40	Pliz BPSK	108	108	22.75	22.90	22.87	23.5	0.5
40	Pliz BPSK	216	0	22.84	22.95	22.81	23.5	0.5
40	QPSK	1	1	23.45	23.50	23.37	24.0	0.0
40	QPSK	1	108	23.32	23.41	23.34		
40	QPSK	1	214	23.31	23.45	23.33		
40	QPSK	108	0	22.47	22.50	22.38		
40	QPSK	108	54	23.35	23.44	23.35		
40	QPSK	108	108	22.34	22.42	22.37	23.0	1.0
40	QPSK	216	0	22.40	22.45	22.43	23.0	1.0
40	16QAM	1	1	22.32	22.47	22.41	23.0	1.0
40	64QAM	1	1	20.88	21.00	20.88	21.5	2.5
40	256QAM	1	1	18.88	18.92	18.79	19.5	4.5
Channel				375500	376500	376500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1887.5	1882.5	1897.5	24.0	0.0
35	QPSK	1	1	23.34	23.44	23.26	24.0	0.0
Channel				376000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1882.5	1900	24.0	0.0
30	QPSK	1	1	23.38	23.39	23.29	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1882.5	1902.5	24.0	0.0
25	QPSK	1	1	23.31	23.38	23.25	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1880	1882.5	1905	24.0	0.0
20	QPSK	1	1	23.33	23.43	23.30	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1887.5	1882.5	1907.5	24.0	0.0
15	QPSK	1	1	23.37	23.39	23.28	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1882.5	1910	24.0	0.0
10	QPSK	1	1	23.39	23.44	23.26	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1882.5	1912.5	24.0	0.0
5	QPSK	1	1	23.31	23.35	23.30	24.0	0.0

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	21.71	21.73	21.82	22.5	0.0	
40	Pl2 BPSK	1	108	21.71	21.82	21.83			
40	Pl2 BPSK	1	214	21.70	21.85	21.80			
40	Pl2 BPSK	108	0	21.77	21.85	21.72			
40	Pl2 BPSK	108	54	21.78	21.87	21.70	22.5	0.0	
40	Pl2 BPSK	108	108	21.75	21.79	21.79	22.5	0.0	
40	Pl2 BPSK	216	0	21.69	21.79	21.82			
40	QPSK	1	1	21.62	21.88	21.85	22.5	0.0	
40	QPSK	1	108	21.78	21.87	21.77			
40	QPSK	1	214	21.79	21.78	21.80			
40	QPSK	108	0	21.75	21.77	21.72			
40	QPSK	108	54	21.77	21.82	21.75	22.5	0.0	
40	QPSK	108	108	21.76	21.79	21.75	22.5	0.0	
40	QPSK	216	0	21.78	21.80	21.75			
40	16QAM	1	1	21.77	21.84	21.73	22.5	0.0	
40	64QAM	1	1	20.88	20.90	20.77	21.5	1.0	
40	256QAM	1	1	18.82	18.88	18.74	19.5	3.0	
Channel				373500	376500	379500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	21.74	21.76	21.75	22.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	21.79	21.82	21.80	22.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	21.71	21.80	21.71	22.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	21.77	21.73	21.81	22.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1882.5	1912.5	22.5	0.0	
15	QPSK	1	1	21.68	21.81	21.73	22.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	21.79	21.82	21.77	22.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	21.80	21.83	21.79	22.5	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P2 BPSK	1	1	16.47	16.54	16.48	17.5	0.0	
40	P2 BPSK	1	108	16.32	16.47	16.34			
40	P2 BPSK	1	214	16.47	16.51	16.46			
40	P2 BPSK	108	0	16.43	16.37	16.19			
40	P2 BPSK	108	54	16.48	16.48	16.38	17.5	0.0	
40	P2 BPSK	108	108	16.36	16.38	16.22	17.5	0.0	
40	P2 BPSK	216	0	16.38	16.35	16.28			
40	QPSK	1	1	16.61	16.68	16.59	17.5	0.0	
40	QPSK	1	108	16.46	16.61	16.46			
40	QPSK	1	214	16.55	16.56	16.53			
40	QPSK	108	0	16.48	16.50	16.31			
40	QPSK	108	54	16.54	16.60	16.45	17.5	0.0	
40	QPSK	108	108	16.41	16.46	16.32	17.5	0.0	
40	QPSK	216	0	16.44	16.45	16.35			
40	8QAM	1	1	16.48	16.63	16.47	17.5	0.0	
40	8QAM	1	1	16.50	16.59	16.52	17.5	0.0	
40	256QAM	1	1	16.47	16.61	16.48	17.5	0.0	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	16.50	16.61	16.47	17.5	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	16.46	16.58	16.48	17.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	16.51	16.61	16.52	17.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	16.52	16.54	16.50	17.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1912.5			
15	QPSK	1	1	16.48	16.58	16.45	17.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	1	16.55	16.62	16.51	17.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	16.53	16.56	16.48	17.5	0.0	

n25_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	Pl2 BPSK	1	1	19.80	19.91	19.88	21.0	0.0	
40	Pl2 BPSK	1	108	19.91	19.96	19.77			
40	Pl2 BPSK	1	214	19.90	19.98	19.88			
40	Pl2 BPSK	108	0	19.88	19.96	19.80			
40	Pl2 BPSK	108	54	19.94	19.95	19.79	21.0	0.0	
40	Pl2 BPSK	108	108	19.93	19.87	19.91	21.0	0.0	
40	Pl2 BPSK	216	0	19.83	19.90	19.80			
40	QPSK	1	1	19.94	20.00	19.92	21.0	0.0	
40	QPSK	1	108	19.92	19.98	19.77			
40	QPSK	1	214	19.90	19.95	19.88			
40	QPSK	108	0	19.83	19.92	19.88			
40	QPSK	108	54	19.94	19.95	19.91	21.0	0.0	
40	QPSK	108	108	19.79	19.98	19.85	21.0	0.0	
40	QPSK	216	0	19.82	19.92	19.81			
40	16QAM	1	1	19.91	19.95	19.82	21.0	0.0	
40	64QAM	1	1	19.81	19.98	19.77	21.0	0.0	
40	256QAM	1	1	18.50	18.56	18.45	19.5	1.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5			
35	QPSK	1	1	19.80	19.88	19.83	21.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	19.84	19.97	19.78	21.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	19.79	19.88	19.89	21.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	19.89	19.95	19.87	21.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1912.5	21.0	0.0	
15	QPSK	1	1	19.93	19.98	19.95	21.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	19.80	19.93	19.86	21.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5	21.0	0.0	
5	QPSK	1	1	19.80	19.97	19.89	21.0	0.0	

n26(FCC)_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	166300	167800				
Frequency (MHz)				834	831.5	836				
20	Pl2 BPSK	1	1	22.88	22.93	23.02	24.0	0.0		
20	Pl2 BPSK	1	53	22.84	22.76	22.90				
20	Pl2 BPSK	1	104	22.93	22.93	22.96				
20	Pl2 BPSK	50	0	22.44	22.43	22.47				
20	Pl2 BPSK	50	28	22.99	22.85	23.00	24.0	0.0		
20	Pl2 BPSK	50	56	22.39	22.45	22.52	23.5	0.5		
20	Pl2 BPSK	100	0	22.40	22.47	22.50	24.0	0.0		
20	QPSK	1	1	23.03	23.01	23.05				
20	QPSK	1	53	23.01	22.95	23.04				
20	QPSK	1	104	22.97	22.93	23.00				
20	QPSK	50	0	21.92	21.92	22.07	23.0	1.0		
20	QPSK	50	28	22.91	22.96	22.96	24.0	0.0		
20	QPSK	50	56	22.07	21.96	22.10	23.0	1.0		
20	QPSK	100	0	22.02	21.99	22.05	23.0	1.0		
20	16QAM	1	1	21.89	21.95	22.00				
20	64QAM	1	1	20.59	20.46	20.60				
20	256QAM	1	1	18.55	18.48	18.58				
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0		
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	1	22.94	22.95	22.98	24.0	0.0		
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0		

n26(ISED)_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	167300	167800				
Frequency (MHz)				834	836.5	836				
20	Pl2 BPSK	1	1	22.96	22.89	23.02	24.0	0.0		
20	Pl2 BPSK	1	53	22.78	22.75	22.90				
20	Pl2 BPSK	1	104	22.91	22.95	22.96				
20	Pl2 BPSK	50	0	22.34	22.36	22.47				
20	Pl2 BPSK	50	28	22.89	22.94	23.00	24.0	0.0		
20	Pl2 BPSK	50	56	22.39	22.50	22.52	23.5	0.5		
20	Pl2 BPSK	100	0	22.40	22.35	22.50	24.0	0.0		
20	QPSK	1	1	22.97	23.01	23.05				
20	QPSK	1	53	22.93	22.94	23.04				
20	QPSK	1	104	22.92	22.96	23.00				
20	QPSK	50	0	21.93	21.99	22.07	23.0	1.0		
20	QPSK	50	28	22.95	22.91	22.96	24.0	0.0		
20	QPSK	50	56	22.02	21.95	22.10	23.0	1.0		
20	QPSK	100	0	21.96	21.95	22.05	23.0	1.0		
20	16QAM	1	1	21.85	21.87	22.00				
20	64QAM	1	1	20.59	20.59	20.60				
20	256QAM	1	1	18.49	18.50	18.58				
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0		
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0		
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0		

n26(FCC)_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	166300	167800				
Frequency (MHz)				834	831.5	836				
20	Pl2 BPSK	1	1	22.76	22.79	22.87	24.0	0.0		
20	Pl2 BPSK	1	53	22.81	22.80	22.85				
20	Pl2 BPSK	1	104	22.74	22.77	22.79				
20	Pl2 BPSK	50	0	22.50	22.47	22.52				
20	Pl2 BPSK	50	28	22.77	22.70	22.80	24.0	0.0		
20	Pl2 BPSK	50	56	22.38	22.32	22.42	23.5	0.5		
20	Pl2 BPSK	100	0	22.33	22.37	22.44	24.0	0.0		
20	QPSK	1	1	22.87	22.87	22.88				
20	QPSK	1	53	22.75	22.70	22.80				
20	QPSK	1	104	22.84	22.84	22.77				
20	QPSK	50	0	21.77	21.75	21.90	23.0	1.0		
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0		
20	QPSK	50	56	21.85	21.91	21.95	23.0	1.0		
20	QPSK	100	0	21.84	21.76	21.90	23.0	1.0		
20	16QAM	1	1	21.84	21.83	21.88				
20	64QAM	1	1	20.29	20.26	20.35				
20	256QAM	1	1	18.39	18.38	18.45				
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0		
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0		
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0		



n26(ISED)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.85			
20	Pl2 BPSK	1	104	22.75	22.74	22.76	23.5	0.5	
20	Pl2 BPSK	50	0	22.49	22.40	22.52	24.0	0.0	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42	23.5	0.5	
20	Pl2 BPSK	100	0	22.33	22.32	22.44	24.0	0.0	
20	QPSK	1	1	22.80	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80			
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.81	21.79	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.76	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95	23.0	1.0	
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	16QAM	1	1	21.76	21.73	21.86	23.0	1.0	
20	64QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	838.5	24.0	0.0	
15	QPSK	1	1	22.72	22.69	22.83			
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	844	24.0		
10	QPSK	1	1	22.75	22.67	22.78			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	24.0		
5	QPSK	1	1	22.72	22.65	22.82			

n30_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				460000			24.0	0.0				
Frequency (MHz)				2310								
10	Pl2 BPSK	1	1	23.42								
10	Pl2 BPSK	1	26	23.38								
10	Pl2 BPSK	1	50	23.47			23.5	0.5				
10	Pl2 BPSK	25	0	23.01			24.0	0.0				
10	Pl2 BPSK	25	14	23.48			23.5	0.5				
10	Pl2 BPSK	25	27	23.05			24.0	0.0				
10	Pl2 BPSK	50	0	23.03								
10	QPSK	1	1	23.50								
10	QPSK	1	26	23.45				20.5				
10	QPSK	1	50	23.47								
10	QPSK	25	0	22.46			23.0	1.0				
10	QPSK	25	14	23.43			24.0	0.0				
10	QPSK	25	27	22.49			23.0	1.0				
10	QPSK	50	0	22.45			23.0	1.0				
10	16QAM	1	1	22.48			21.5	2.5				
10	64QAM	1	1	20.96			19.5	4.5				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0				
5	QPSK	1	1	23.45	23.49	23.41						

n30_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				2310			20.5	0.0				
Frequency (MHz)												
10	Pl2 BPSK	1	1	19.95								
10	Pl2 BPSK	1	26	19.79								
10	Pl2 BPSK	1	50	19.78								
10	Pl2 BPSK	25	0	19.70								
10	Pl2 BPSK	25	14	19.81								
10	Pl2 BPSK	25	27	19.74								
10	Pl2 BPSK	50	0	19.77								
10	QPSK	1	1	20.00								
10	QPSK	1	26	19.85			20.5	0.0				
10	QPSK	1	50	19.90			20.5	0.0				
10	QPSK	25	0	19.94			20.5	0.0				
10	QPSK	25	14	19.95			20.5	0.0				
10	QPSK	25	27	19.87			20.5	0.0				
10	QPSK	50	0	19.90			20.5	0.0				
10	64QAM	1	1	19.94			20.5	0.0				
10	64QAM	1	1	19.89			20.5	0.0				
10	256QAM	1	1	18.82			19.5	1.0				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2307.5	2310	2312.5	20.5	0.0				
5	QPSK	1	1	19.80	19.85	19.83						



n30_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				46000			20.0	0.0
Frequency (MHz)				2310				
10	Pl2 BPSK	1	1		19.00			
10	Pl2 BPSK	1	26		19.12			
10	Pl2 BPSK	1	50		19.01			
10	Pl2 BPSK	25	0		19.01			
10	Pl2 BPSK	25	14		19.11			
10	Pl2 BPSK	25	27		19.10			
10	Pl2 BPSK	50	0		19.00			
10	QPSK	1	1		19.15			
10	QPSK	1	26		19.12			
10	QPSK	1	50		19.05			
10	QPSK	25	0		19.11			
10	QPSK	25	14		19.12			
10	QPSK	25	27		19.10			
10	QPSK	50	0		19.11			
10	16QAM	1	1		19.02			
10	16QAM	1	1		19.06			
10	256QAM	1	1		19.53			
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5	20.0	0.0
5	QPSK	1	1		19.09	19.14	19.13	20.0

n30_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				46000			20.0	0.0
Frequency (MHz)				2310				
10	Pl2 BPSK	1	1		19.01			
10	Pl2 BPSK	1	26		19.09			
10	Pl2 BPSK	1	50		19.92			
10	Pl2 BPSK	25	0		19.92			
10	Pl2 BPSK	25	14		19.00			
10	Pl2 BPSK	25	27		19.92			
10	Pl2 BPSK	50	0		19.92			
10	QPSK	1	1		19.03			
10	QPSK	1	26		19.94			
10	QPSK	1	50		19.96			
10	QPSK	25	0		19.93			
10	QPSK	25	14		19.98			
10	QPSK	25	27		19.97			
10	QPSK	50	0		19.88			
10	16QAM	1	1		19.99			
10	16QAM	1	1		19.89			
10	256QAM	1	1		19.20			
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5	20.0	0.0
5	QPSK	1	1		19.89	19.97	19.88	20.0

n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				349000	349000	350000	23.0	0.0
Frequency (MHz)				1740	1745	1760		
40	Pl2 BPSK	1	1		21.88	21.95	21.89	
40	Pl2 BPSK	1	108		21.80	21.89	21.99	
40	Pl2 BPSK	1	214		21.79	21.90	21.87	
40	Pl2 BPSK	108	0		21.86	21.94	21.96	
40	Pl2 BPSK	108	54		21.91	21.91	21.96	
40	Pl2 BPSK	108	108		21.85	21.90	21.97	
40	Pl2 BPSK	216	0		21.91	22.00	21.98	
40	QPSK	1	1		21.92	22.02	22.00	
40	QPSK	1	108		21.90	21.89	21.85	
40	QPSK	1	214		21.83	21.87	21.97	
40	QPSK	108	0		21.89	21.89	21.88	
40	QPSK	108	54		21.91	22.00	21.95	
40	QPSK	108	108		21.83	21.93	21.92	
40	QPSK	216	0		21.81	21.95	21.94	
40	16QAM	1	1		21.84	21.98	21.97	
40	16QAM	1	1		21.43	21.45	21.36	
40	256QAM	1	1		19.27	19.42	19.28	
Channel				349500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1762.5	23.0	0.0
35	QPSK	1	1		21.80	21.91	21.92	23.0
Channel				349000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1		21.01	21.97	21.96	23.0
Channel				349500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1		21.79	21.91	21.90	23.0
Channel				349000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1		21.77	21.95	21.91	23.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1		21.59	21.93	21.89	23.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1		21.83	21.97	21.85	23.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1		21.86	22.00	21.86	23.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000	22.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	21.39	21.49	21.46			
40	Pl2 BPSK	1	108	21.40	21.43	21.35			
40	Pl2 BPSK	1	214	21.35	21.56	21.45	22.5	0.0	
40	Pl2 BPSK	108	0	21.35	21.46	21.43			
40	Pl2 BPSK	108	54	21.34	21.51	21.43			
40	Pl2 BPSK	108	108	21.40	21.49	21.39			
40	Pl2 BPSK	216	0	21.43	21.45	21.35	22.5	0.0	
40	QPSK	1	1	21.49	21.58	21.50			
40	QPSK	1	108	21.36	21.53	21.42		22.5	
40	QPSK	1	214	21.43	21.49	21.40			
40	QPSK	108	0	21.43	21.48	21.49		22.5	
40	QPSK	108	54	21.37	21.51	21.50			
40	QPSK	108	108	21.37	21.43	21.41			
40	QPSK	216	0	21.41	21.54	21.48	22.5	0.0	
40	ISAM	1	1	21.42	21.48	21.40			
40	ISAM	1	1	21.36	21.48	21.35			
40	ISAM	1	1	21.36	21.48	21.35		22.5	
40	256QAM	1	1	18.37	19.45	19.31			
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5	(dBm)	(dB)	
35	QPSK	1	1	21.43	21.48	21.43	22.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	21.47	21.50	21.37	22.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	21.47	21.43	21.49	22.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
20	QPSK	1	1	21.48	21.52	21.41	22.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	21.45	21.57	21.45	22.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	21.38	21.53	21.44	22.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	21.43	21.54	21.38	22.5	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000	20.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	19.74	19.78	19.84			
40	Pl2 BPSK	1	108	19.79	19.79	19.75			
40	Pl2 BPSK	1	214	19.73	19.79	19.86	20.5	0.0	
40	Pl2 BPSK	108	0	19.75	19.83	19.81			
40	Pl2 BPSK	108	54	19.72	19.87	19.79			
40	Pl2 BPSK	108	108	19.78	19.87	19.76			
40	Pl2 BPSK	216	0	19.70	19.86	19.80	20.5	0.0	
40	QPSK	1	1	19.85	19.92	19.88			
40	QPSK	1	108	19.74	19.77	19.87		20.5	
40	QPSK	1	214	19.81	19.83	19.83			
40	QPSK	108	0	19.76	19.79	19.86			
40	QPSK	108	54	19.81	19.88	19.85			
40	QPSK	108	108	19.73	19.82	19.83	20.5	0.0	
40	QPSK	216	0	19.74	19.79	19.77			
40	ISAM	1	1	19.75	19.85	19.81			
40	ISAM	1	1	19.79	19.82	19.76		20.5	
40	ISAM	1	1	19.79	19.82	19.76			
40	256QAM	1	1	18.69	18.80	18.69			
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5	(dBm)	(dB)	
35	QPSK	1	1	19.72	19.79	19.82	20.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	19.70	19.86	19.80	20.5	0.0	
Channel				345000	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	19.81	19.81	19.83	20.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
20	QPSK	1	1	19.83	19.84	19.79	20.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	19.71	19.80	19.78	20.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	19.76	19.80	19.82	20.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	19.75	19.88	19.78	20.5	0.0	

n66_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000	22.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	21.32	21.47	21.45			
40	Pl2 BPSK	1	108	21.34	21.42	21.45			
40	Pl2 BPSK	1	214	21.44	21.48	21.44	22.5	0.0	
40	Pl2 BPSK	108	0	21.32	21.37	21.45			
40	Pl2 BPSK	108	54	21.42	21.43	21.45			
40	Pl2 BPSK	108	108	21.39	21.43	21.43			
40	Pl2 BPSK	216	0	21.44	21.46	21.41	22.5	0.0	
40	QPSK	1	1	21.45	21.50	21.48			
40	QPSK	1	108	21.42	21.37	21.42		22.5	
40	QPSK	1	214	21.42	21.36	21.38			
40	QPSK	108	0	21.39	21.38	21.38			
40	QPSK	108	54	21.43	21.44	21.42			
40	QPSK	108	108	21.39	21.39	21.34	22.5	0.0	
40	QPSK	216	0	21.35	21.42	21.41			
40	16QAM	1	1	21.34	21.35	21.38			
40	16QAM	1	1	20.40	20.55	20.42		21.5	
40	256QAM	1	1	18.44	18.59	18.49			
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	(dBm)	(dB)	
35	QPSK	1	1	21.37	21.42	21.35	22.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	21.37	21.39	21.40	22.5	0.0	
Channel				345000	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	21.31	21.35	21.36	22.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	21.40	21.37	21.37	22.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	21.36	21.46	21.37	22.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	21.35	21.43	21.38	22.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	21.35	21.45	21.37	22.5	0.0	



n70_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000					
Frequency (MHz)				1702.5					
15	Pliz BPSK	1	1	23.68			24.0	0.0	
15	Pliz BPSK	1	40	23.63					
15	Pliz BPSK	1	77	23.60					
15	Pliz BPSK	36	0	23.19			23.5	0.5	
15	Pliz BPSK	36	22	23.82			24.0	0.0	
15	Pliz BPSK	36	43	23.10			23.5	0.5	
15	Pliz BPSK	75	0	23.15					
15	QPSK	1	1	23.70			24.0	0.0	
15	QPSK	1	40	23.62					
15	QPSK	1	77	23.65					
15	QPSK	36	0	22.80			23.0	1.0	
15	QPSK	36	22	23.06			24.0	0.0	
15	QPSK	36	43	22.70			23.0	1.0	
15	QPSK	75	0	22.67					
15	8QAM	1	1	22.59			23.0	1.0	
15	8QAM	1	1	21.20			21.5	2.5	
15	256QAM	1	1	19.20			19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	23.97	23.63	23.94	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.52	23.52	23.55	24.0	0.0	

n70_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000					
Frequency (MHz)				1702.5					
15	Pliz BPSK	1	1	22.95			24.0	0.0	
15	Pliz BPSK	1	40	22.88					
15	Pliz BPSK	1	77	22.90					
15	Pliz BPSK	36	0	22.45			23.5	0.5	
15	Pliz BPSK	36	22	22.96			24.0	0.0	
15	Pliz BPSK	36	43	22.42			23.5	0.5	
15	Pliz BPSK	75	0	22.50					
15	QPSK	1	1	23.00			24.0	0.0	
15	QPSK	1	40	22.90					
15	QPSK	1	77	22.94					
15	QPSK	36	0	22.06			23.0	1.0	
15	QPSK	36	22	22.92			24.0	0.0	
15	QPSK	36	43	22.02			23.0	1.0	
15	QPSK	75	0	22.00					
15	16QAM	1	1	22.06			23.0	1.0	
15	8QAM	1	1	20.55			21.5	2.5	
15	256QAM	1	1	18.60			19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.91	22.95	22.96	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.87	22.91	22.77	24.0	0.0	

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000					
Frequency (MHz)				1702.5					
15	Pliz BPSK	1	1	19.34			20.0	0.0	
15	Pliz BPSK	1	40	19.38					
15	Pliz BPSK	1	77	19.26					
15	Pliz BPSK	36	0	19.33			20.0	0.0	
15	Pliz BPSK	36	22	19.37			20.0	0.0	
15	Pliz BPSK	36	43	19.32			20.0	0.0	
15	Pliz BPSK	75	0	19.37					
15	QPSK	1	1	19.36			20.0		
15	QPSK	1	40	19.36					
15	QPSK	1	77	19.36					
15	QPSK	36	0	19.37			20.0	0.0	
15	QPSK	36	22	19.35			20.0	0.0	
15	QPSK	36	43	19.27			20.0	0.0	
15	QPSK	75	0	19.32					
15	16QAM	1	1	19.27			20.0	0.0	
15	84QAM	1	1	19.38			20.0	0.0	
15	256QAM	1	1	19.00			19.5	0.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	19.31	19.26	19.25	20.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	19.31	19.25	19.24	20.0	0.0	



n70_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000					
Frequency (MHz)				1702.5					
15	Pl2 BPSK	1	1		20.74			21.5	0.0
15	Pl2 BPSK	1	40		20.69				
15	Pl2 BPSK	1	77		20.65				
15	Pl2 BPSK	36	0	20.67	20.71			21.5	0.0
15	Pl2 BPSK	36	22		20.71			21.5	0.0
15	Pl2 BPSK	36	43		20.71			21.5	0.0
15	Pl2 BPSK	76	0	20.66				21.5	0.0
15	QPSK	1	1		20.80			21.5	0.0
15	QPSK	1	40		20.68				
15	QPSK	1	77		20.73				
15	QPSK	36	0	20.67				21.5	0.0
15	QPSK	36	22		20.77			21.5	0.0
15	QPSK	36	43		20.74			21.5	0.0
15	QPSK	76	0		20.68			21.5	0.0
15	64QAM	1	1		20.79			21.5	0.0
15	64QAM	1	1		20.69			21.5	0.0
15	256QAM	1	1		18.85			19.5	2.0
Channel				34000	34000	34100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.09	20.69	20.68	21.5	0.0	
Channel				33600	34000	34100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1687.5	1702.5	1707.5			
5	QPSK	1	1	20.85	20.78	20.72	21.5	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134000	134100	137600			
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1	23.03	23.03	23.07		24.0	0.0
20	Pl2 BPSK	1	53	22.91	23.04	23.01			
20	Pl2 BPSK	1	104	23.06	23.02	23.02			
20	Pl2 BPSK	50	0	22.72	22.80	22.89		23.5	0.5
20	Pl2 BPSK	50	28	23.06	23.03	23.04		24.0	0.0
20	Pl2 BPSK	50	56	22.68	22.61	22.63		23.5	0.5
20	Pl2 BPSK	100	0	22.62	22.55	22.55		23.5	0.5
20	QPSK	1	1	23.07	23.14	23.10		24.0	0.0
20	QPSK	1	53	23.05	23.04	22.96			
20	QPSK	1	104	23.03	23.12	22.88			
20	QPSK	50	0	22.98	22.15	22.09		23.0	1.0
20	QPSK	50	28	22.97	23.10	23.07		24.0	0.0
20	QPSK	50	56	22.14	22.11	22.13		23.0	1.0
20	QPSK	100	0	22.03	22.05	22.03		23.0	1.0
20	64QAM	1	1	22.83	22.15	22.02		23.0	1.0
20	64QAM	1	1	20.87	20.68	20.61		21.5	2.5
20	256QAM	1	1	18.83	18.68	18.55		19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5			
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.98	23.06	22.96	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	1	22.96	23.03	22.99	24.0	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	134100	137600			
Frequency (MHz)				673	680.5	688			
20	Pl2 BPSK	1	1	22.72	22.82	22.79		24.0	0.0
20	Pl2 BPSK	1	53	22.69	22.75	22.74			
20	Pl2 BPSK	1	104	22.69	22.80	22.65			
20	Pl2 BPSK	50	0	22.34	22.44	22.36		23.5	0.5
20	Pl2 BPSK	50	28	22.79	22.80	22.78		24.0	0.0
20	Pl2 BPSK	50	56	22.36	22.39	22.35		23.5	0.5
20	Pl2 BPSK	100	0	22.32	22.33	22.34		23.5	0.5
20	QPSK	1	1	22.77	22.85	22.75		24.0	0.0
20	QPSK	1	53	22.68	22.77	22.73			
20	QPSK	1	104	22.69	22.83	22.69			
20	QPSK	50	0	21.79	21.89	21.84		23.0	1.0
20	QPSK	50	28	22.72	22.80	22.71		24.0	0.0
20	QPSK	50	56	21.87	21.90	21.83		23.0	1.0
20	QPSK	100	0	21.73	21.82	21.67		23.0	1.0
20	64QAM	1	1	21.83	21.86	21.76		23.0	1.0
20	64QAM	1	1	20.37	20.39	20.33		21.5	2.5
20	256QAM	1	1	18.30	18.40	18.32		19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	680.5			
15	QPSK	1	1	22.67	22.75	22.68	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.66	22.74	22.63	24.0	0.0	
Channel				133100	134100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	1	22.66	22.78	22.63	24.0	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dlim)	MPR (dli)	
Channel									
Frequency (MHz)				516004	516000	516996			
				2565	2565	2569.98			
40	Pl2 BPSK	1	1	22.94	23.05	22.99			
40	Pl2 BPSK	1	53	22.81	22.96	22.87	24.0		0.0
40	Pl2 BPSK	1	104	22.80	22.82	22.79			
40	Pl2 BPSK	50	0	22.98	23.00	22.98	24.0		0.0
40	Pl2 BPSK	50	28	22.98	22.99	22.97	24.0		0.0
40	Pl2 BPSK	50	56	22.68	22.75	22.60			
40	Pl2 BPSK	100	0	22.89	22.98	22.93	24.0		0.0
40	QPSK	1	1	23.04	23.10	23.08			
40	QPSK	1	53	22.92	23.02	22.90	24.0		0.0
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5		0.5
40	QPSK	50	28	22.74	22.95	22.86	24.0		0.0
40	QPSK	50	56	22.15	22.30	22.24			
40	QPSK	100	0	22.44	22.45	22.43	23.5		0.5
40	16QAM	1	1	22.43	22.50	22.38	23.5		0.5
40	64QAM	1	1	20.85	20.96	20.81	22.0		2.0
40	256QAM	1	1	18.88	18.97	18.88	20.0		4.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up time (dlim)	MPR (dli)	
				2565.01	2565	2564.99			
30	QPSK	1	1	22.93	23.03	22.97	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	521498	Tune-up time (dlim)	MPR (dli)	
				2562.52	2565	2607.48			
25	QPSK	1	1	22.93	23.02	22.96	24.0		0.0
Channel									
Frequency (MHz)				515002	518000	522498	Tune-up time (dlim)	MPR (dli)	
				2575.02	2595	2614.98			
20	QPSK	1	1	22.91	23.01	22.93	24.0		0.0
Channel									
Frequency (MHz)				515002	518000	522498	Tune-up time (dlim)	MPR (dli)	
				2575.02	2595	2614.98			
15	QPSK	1	1	22.95	23.04	22.94	24.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998	Tune-up time (dlim)	MPR (dli)	
				2575.02	2595	2614.98			
10	QPSK	1	1	22.99	23.01	22.94	24.0		0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	519000	519996			
				2560.02	2565	2569.98			
40	Pl2 BPSK	1	1	18.19	18.46	18.32			
40	Pl2 BPSK	1	53	18.11	18.33	18.17	19.5	0.0	
40	Pl2 BPSK	1	104	18.13	18.38	18.19			
40	Pl2 BPSK	50	0	17.89	18.27	18.15	19.5	0.0	
40	Pl2 BPSK	50	28	18.11	18.37	18.23	19.5	0.0	
40	Pl2 BPSK	50	56	18.00	18.24	18.05			
40	Pl2 BPSK	100	0	17.96	18.23	18.12	19.5	0.0	
40	QPSK	1	1	18.30	18.51	18.41			
40	QPSK	1	53	18.19	18.39	18.32	19.5	0.0	
40	QPSK	1	104	18.19	18.43	18.32			
40	QPSK	50	0	18.04	18.33	18.20	19.5	0.0	
40	QPSK	50	28	18.17	18.43	18.26	19.5	0.0	
40	QPSK	50	56	18.08	18.29	18.15			
40	QPSK	100	0	18.06	18.35	18.18	19.5	0.0	
40	16QAM	1	1	18.21	18.41	18.29	19.5	0.0	
40	64QAM	1	1	18.22	18.41	18.27	19.5	0.0	
40	256QAM	1	1	18.18	18.43	18.33	19.5	0.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
				2565.01	2565	2604.99			
30	QPSK	1	1	18.22	18.42	18.27	19.5	0.0	
Channel									
Frequency (MHz)				518004	519000	521498	Tune-up limit (dBm)	MPR (dB)	
				2562.52	2565	2607.48			
25	QPSK	1	1	18.19	18.40	18.27	19.5	0.0	
Channel									
Frequency (MHz)				515002	518000	522498	Tune-up limit (dBm)	MPR (dB)	
				2575.01	2595	2614.98			
20	QPSK	1	1	18.20	18.46	18.34	19.5	0.0	
Channel									
Frequency (MHz)				515002	518000	522498	Tune-up limit (dBm)	MPR (dB)	
				2575.01	2595	2614.98			
15	QPSK	1	1	18.21	18.46	18.28	19.5	0.0	
Channel									
Frequency (MHz)				518004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
10	QPSK	1	1	18.20	18.42	18.31	19.5	0.0	

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	519000	519996			
				2560.02	2565	2569.98			
40	Pl2 BPSK	1	1	17.93	17.96	17.86			
40	Pl2 BPSK	1	53	17.75	17.92	17.68	19.0		0.0
40	Pl2 BPSK	1	104	17.75	17.81	17.79			
40	Pl2 BPSK	50	0	17.64	17.87	17.72	19.0		0.0
40	Pl2 BPSK	50	28	17.75	17.88	17.76	19.0		0.0
40	Pl2 BPSK	50	56	17.69	17.79	17.64			
40	Pl2 BPSK	100	0	17.60	17.79	17.70	19.0		0.0
40	QPSK	1	1	17.98	18.11	17.85			
40	QPSK	1	53	17.85	18.04	17.83	19.0		0.0
40	QPSK	1	104	17.89	18.00	17.85			
40	QPSK	50	0	17.71	17.95	17.77	19.0		0.0
40	QPSK	50	28	17.95	18.01	17.95	19.0		0.0
40	QPSK	50	56	17.79	17.92	17.76			
40	QPSK	100	0	17.75	17.88	17.75	19.0		0.0
40	16QAM	1	1	17.86	17.96	17.84	19.0		0.0
40	64QAM	1	1	17.91	18.02	17.86	19.0		0.0
40	256QAM	1	1	17.84	18.03	17.85	19.0		0.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up time (dBm)	MPR (dB)	
				2565.01	2565	2564.99			
30	QPSK	1	1	17.88	17.97	17.85	19.0		0.0
Channel									
Frequency (MHz)				518004	519000	521498	Tune-up time (dBm)	MPR (dB)	
				2562.52	2565	2607.48			
25	QPSK	1	1	17.90	18.01	17.89	19.0		0.0
Channel									
Frequency (MHz)				515002	518000	522498	Tune-up time (dBm)	MPR (dB)	
				2575.01	2595	2614.98			
20	QPSK	1	1	17.94	18.00	17.92	19.0		0.0
Channel									
Frequency (MHz)				515002	518000	522498	Tune-up time (dBm)	MPR (dB)	
				2575.01	2595	2614.98			
15	QPSK	1	1	17.93	18.02	17.91	19.0		0.0
Channel									
Frequency (MHz)				518004	519000	522998	Tune-up time (dBm)	MPR (dB)	
				2575.02	2595	2614.98			
10	QPSK	1	1	17.87	18.01	17.88	19.0		0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				518004	519000	519996	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	18.17	18.19	18.04	19.5	0.0
40	PI2 BPSK	1	53	17.95	18.12	17.99		
40	PI2 BPSK	1	104	18.02	18.12	17.93	19.5	0.0
40	PI2 BPSK	50	0	17.94	18.02	17.89		
40	PI2 BPSK	50	28	18.04	18.06	18.03	19.5	0.0
40	PI2 BPSK	50	56	17.93	17.98	17.95	19.5	0.0
40	PI2 BPSK	100	0	17.97	17.99	17.84	19.5	0.0
40	QPSK	1	1	18.22	18.31	18.18		
40	QPSK	1	53	18.08	18.23	18.10	19.5	0.0
40	QPSK	1	104	18.10	18.18	18.05	19.5	0.0
40	QPSK	50	0	18.04	18.13	18.02		
40	QPSK	50	28	18.13	18.21	18.10	19.5	0.0
40	QPSK	50	56	17.98	18.09	18.04	19.5	0.0
40	QPSK	100	0	18.04	18.12	17.98	19.5	0.0
40	16QAM	1	1	18.16	18.24	18.14	19.5	0.0
40	64QAM	1	1	18.08	18.23	18.07	19.5	0.0
40	256QAM	1	1	18.13	18.24	18.05	19.5	0.0
Channel				517002	518000	518998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2593.01	2595	2604.99		
30	QPSK	1	1	18.12	18.24	18.07	19.5	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR
Frequency (MHz)				2592.02	2595	2607.48		
25	QPSK	1	1	18.11	18.26	18.09	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	18.13	18.21	18.12	19.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.10	18.25	18.09	19.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2573.02	2595	2614.98		
10	QPSK	1	1	18.08	18.25	18.07	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				500502	518598	520500	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				2546.01	2552.99	2560		
100	PI2 BPSK	1	1	23.28	23.41	23.30	24.0	0.0
100	PI2 BPSK	1	137	23.28	23.35	23.23		
100	PI2 BPSK	1	271	23.32	23.34	23.26	24.0	0.0
100	PI2 BPSK	135	0	23.25	23.34	23.27		
100	PI2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0
100	PI2 BPSK	135	138	23.27	23.42	23.33	24.0	0.0
100	PI2 BPSK	270	0	23.32	23.40	23.27	24.0	0.0
100	QPSK	1	1	23.35	23.45	23.31		
100	QPSK	1	137	23.29	23.38	23.30	24.0	0.0
100	QPSK	1	271	23.19	23.34	23.27	24.0	0.0
100	QPSK	135	0	23.22	23.31	23.24		
100	QPSK	135	69	23.18	23.35	23.27	24.0	0.0
100	QPSK	135	138	23.24	23.38	23.29	24.0	0.0
100	QPSK	270	0	23.40	23.42	23.28	24.0	0.0
100	16QAM	1	1	23.30	23.27	23.31	24.0	0.0
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0
100	256QAM	1	1	21.83	21.95	21.87	22.5	1.5
Channel				506000	518598	520596	Tune-up limit (dBm)	MPR
Frequency (MHz)				2547	2552.99	2544.98		
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0
Channel				507204	518598	520596	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2560.99	2640.99		
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0
Channel				507502	518598	521000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2552.99	2655		
70	QPSK	1	1	23.28	23.33	23.18	24.0	0.0
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2524	2552.99	2658.99		
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2562.99	2664.99		
50	QPSK	1	1	23.33	23.32	23.19	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2562.99	2670		
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0
Channel				502200	518598	535096	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	23.28	23.38	23.21	24.0	0.0
Channel				501702	518598	535900	Tune-up limit (dBm)	MPR
Frequency (MHz)				2508.01	2562.99	2677.5		
25	QPSK	1	1	23.15	23.32	23.04	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2508.02	2562.99	2679.99		
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0
Channel				501000	518598	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2562.99	2682.48		
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2493.01	2562.99	2685		
10	QPSK	1	1	23.31	23.38	23.22	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50202	51898	53000		
Frequency (MHz)				2546.01	2592.99	2640		
100	P12 BPSK	1	1	26.17	26.30	26.22		
100	P12 BPSK	1	137	25.89	26.02	25.95	27.0	0.0
100	P12 BPSK	1	271	25.79	25.90	25.84		
100	P12 BPSK	135	0	25.51	25.62	25.55	26.5	0.5
100	P12 BPSK	135	69	25.88	26.01	25.95	27.0	0.0
100	P12 BPSK	135	138	25.18	25.33	25.26	26.5	0.5
100	P12 BPSK	270	0	25.37	25.52	25.44		
100	QPSK	1	1	25.62	25.72	25.73		
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0
100	QPSK	1	271	25.82	25.94	25.86		
100	QPSK	135	0	25.07	25.10	25.01	26.0	1.0
100	QPSK	135	69	25.36	25.58	25.57	27.0	0.0
100	QPSK	135	138	25.03	25.05	25.08	26.0	1.0
100	QPSK	270	0	24.95	25.08	25.00	26.0	1.0
100	16QAM	1	1	25.14	25.25	25.16	26.0	1.0
100	16QAM	1	1	25.62	25.72	25.62	24.5	2.5
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5
Channel				506200	518998	526996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2547	2592.99	2644.98		
80	QPSK	1	1	21.54	21.63	21.53	27.0	0.0
Channel				507204	518998	526998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0
Channel				502202	518998	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.08	26.17	26.10	27.0	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2659.98		
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.10	26.20	26.18	27.0	0.0
Channel				507204	518998	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.02	26.25	26.09	27.0	0.0
Channel				502200	518998	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0
Channel				501702	518998	535990	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.51	2592.99	2677.5		
25	QPSK	1	1	26.05	26.25	26.25	27.0	0.0
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.08	26.17	26.16	27.0	0.0
Channel				510700	518998	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0
Channel				502022	518998	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2601.01	2692.99	2688		
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50202	518998	53000		
Frequency (MHz)				2546.01	2592.99	2640		
100	P12 BPSK	1	1	18.68	18.91	18.83		
100	P12 BPSK	1	137	18.60	18.83	18.65	19.5	0.0
100	P12 BPSK	1	271	18.56	18.76	18.68		
100	P12 BPSK	135	0	18.49	18.74	18.52	19.5	0.0
100	P12 BPSK	135	69	18.58	18.76	18.64	19.5	0.0
100	P12 BPSK	135	138	18.48	18.73	18.54	19.5	0.0
100	P12 BPSK	270	0	18.56	18.72	18.56		
100	QPSK	1	1	18.62	18.90	18.80		
100	QPSK	1	137	18.73	18.95	18.74	19.5	0.0
100	QPSK	1	271	18.69	18.87	18.76		
100	QPSK	135	0	18.61	18.79	18.65	19.5	0.0
100	QPSK	135	69	18.71	18.90	18.77	19.5	0.0
100	QPSK	135	138	18.60	18.81	18.60	19.5	0.0
100	QPSK	270	0	18.63	18.84	18.68	19.5	0.0
100	16QAM	1	1	18.77	18.88	18.76	19.5	0.0
100	16QAM	1	1	18.68	18.88	18.83	19.5	0.0
100	256QAM	1	1	18.69	18.88	18.84	19.5	0.0
Channel				506200	518998	526996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2547	2592.99	2644.98		
80	QPSK	1	1	18.60	18.83	18.62	19.5	0.0
Channel				507204	518998	526998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.75	18.95	18.79	19.5	0.0
Channel				502202	518998	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.68	18.89	18.74	19.5	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2659.98		
60	QPSK	1	1	18.72	18.85	18.78	19.5	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.71	18.91	18.81	19.5	0.0
Channel				507204	518998	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.74	18.93	18.75	19.5	0.0
Channel				502200	518998	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.70	18.95	18.78	19.5	0.0
Channel				501702	518998	535990	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.51	2592.99	2677.5		
25	QPSK	1	1	18.76	18.95	18.85	19.5	0.0
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.72	18.90	18.75	19.5	0.0
Channel				510700	518998	535996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.71	18.96	18.83	19.5	0.0
Channel				502022	518998	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2601.01	2692.99	2688		
10	QPSK	1	1	18.71	18.90	18.76	19.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50202	518998	53000		
Frequency (MHz)				2546.01	2592.99	2640		
100	P12 BPSK	1	1	21.57	21.65	21.50		
100	P12 BPSK	1	137	21.46	21.54	21.49	22.5	0.0
100	P12 BPSK	1	271	21.42	21.44	21.38		
100	P12 BPSK	135	0	21.37	21.48	21.35	22.5	0.0
100	P12 BPSK	135	69	21.43	21.60	21.46	22.5	0.0
100	P12 BPSK	135	138	21.36	21.43	21.33	22.5	0.0
100	P12 BPSK	270	0	21.40	21.46	21.40		
100	QPSK	1	1	21.65	21.71	21.65		
100	QPSK	1	137	21.52	21.64	21.60	22.5	0.0
100	QPSK	1	271	21.52	21.57	21.51		
100	QPSK	135	0	21.48	21.56	21.48	22.5	0.0
100	QPSK	135	69	21.58	21.65	21.55	22.5	0.0
100	QPSK	135	138	21.43	21.51	21.47	22.5	0.0
100	QPSK	270	0	21.47	21.60	21.44	22.5	0.0
100	16QAM	1	1	21.58	21.63	21.52	22.5	0.0
100	16QAM	1	1	21.53	21.61	21.53	22.5	0.0
100	256QAM	1	1	21.51	21.60	21.58	22.5	0.0
Channel				506200	518998	526996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2547	2592.99	2644.98		
80	QPSK	1	1	21.51	21.60	21.55	22.5	0.0
Channel				507204	518998	526998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.50	21.58	21.51	22.5	0.0
Channel				502202	518998	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.56	21.60	21.57	22.5	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2659.98		
60	QPSK	1	1	21.54	21.58	21.58	22.5	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.54	21.62	21.54	22.5	0.0
Channel				507204	518998	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.55	21.63	21.53	22.5	0.



FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				505002	518988	528000	2544		
100	P12 BPSK	1	1	18.14	18.33	18.13	19.0	0.0	
100	P12 BPSK	1	137	18.07	18.27	18.03			
100	P12 BPSK	1	271	18.10	18.26	18.07	19.0	0.0	
100	P12 BPSK	135	0	18.05	18.20	17.96			
100	P12 BPSK	135	69	18.13	18.32	17.98	19.0	0.0	
100	P12 BPSK	135	138	18.00	18.20	17.95	19.0	0.0	
100	P12 BPSK	270	0	18.07	18.27	17.91			
100	QPSK	1	1	18.22	18.46	18.22	19.0	0.0	
100	QPSK	1	137	18.16	18.36	18.10			
100	QPSK	1	271	18.15	18.37	18.16	19.0	0.0	
100	QPSK	135	0	18.12	18.32	18.01			
100	QPSK	135	69	18.10	18.41	18.11	19.0	0.0	
100	QPSK	135	138	18.11	18.32	18.03	19.0	0.0	
100	QPSK	270	0	18.14	18.34	17.98			
100	16QAM	1	1	18.21	18.40	18.17	19.0	0.0	
100	16QAM	1	1	18.20	18.37	18.15	19.0	0.0	
100	256QAM	1	1	18.15	18.34	18.18	19.0	0.0	
Channel									
Frequency (MHz)				2541	2592.99	2644.98	2544	2592.99 (dBm)	
90	QPSK	1	1	18.24	18.35	18.12	19.0	0.0	
Channel									
Frequency (MHz)				507204	518988	528998	2536.02	2592.99 (dBm)	
80	QPSK	1	1	18.20	18.38	18.17	19.0	0.0	
Channel									
Frequency (MHz)				506202	518988	531000	2531.01	2592.99 (dBm)	
70	QPSK	1	1	18.19	18.34	18.16	19.0	0.0	
Channel									
Frequency (MHz)				505200	518988	531996	2531.01	2592.99 (dBm)	
60	QPSK	1	1	18.18	18.31	18.13	19.0	0.0	
Channel									
Frequency (MHz)				504204	518988	532998	2521.02	2592.99 (dBm)	
50	QPSK	1	1	18.22	18.40	18.17	19.0	0.0	
Channel									
Frequency (MHz)				503202	518988	534000	2516.01	2592.99 (dBm)	
40	QPSK	1	1	18.17	18.36	18.13	19.0	0.0	
Channel									
Frequency (MHz)				502200	518988	534998	2511	2592.99 (dBm)	
30	QPSK	1	1	18.14	18.32	18.18	19.0	0.0	
Channel									
Frequency (MHz)				501702	518988	535998	2506.01	2592.99 (dBm)	
25	QPSK	1	1	18.16	18.37	18.14	19.0	0.0	
Channel									
Frequency (MHz)				501204	518988	536998	2506.02	2592.99 (dBm)	
20	QPSK	1	1	18.20	18.36	18.16	19.0	0.0	
Channel									
Frequency (MHz)				500700	518988	536496	2503.5	2592.99 (dBm)	
15	QPSK	1	1	18.24	18.34	18.18	19.0	0.0	
Channel									
Frequency (MHz)				500202	518988	537000	2603.01	2692.99 (dBm)	
10	QPSK	1	1	18.18	18.38	18.16	19.0	0.0	

FCC_n41(HPUE)_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (tdm)	MPR (dB)	
Channel									
Frequency (MHz)				505202	518988	528000			
100	P12 BPSK	1	1	21.01	21.02	20.86	22.0	0.0	
100	P12 BPSK	1	137	20.90	20.99	20.83			
100	P12 BPSK	1	271	20.83	20.91	20.82	22.0	0.0	
100	P12 BPSK	135	0	20.75	20.81	20.64			
100	P12 BPSK	135	69	20.85	20.94	20.75	22.0	0.0	
100	P12 BPSK	135	138	20.70	20.80	20.56	22.0	0.0	
100	P12 BPSK	270	0	20.71	20.78	20.56			
100	QPSK	1	1	21.01	21.12	20.97	22.0	0.0	
100	QPSK	1	137	21.02	21.06	20.88			
100	QPSK	1	271	20.97	21.05	20.90	22.0	0.0	
100	QPSK	135	0	20.87	20.95	20.72			
100	QPSK	135	69	20.96	21.05	20.88	22.0	0.0	
100	QPSK	135	138	20.82	20.94	20.71	22.0	0.0	
100	QPSK	270	0	20.82	20.90	20.71			
100	16QAM	1	1	21.01	21.06	20.82	22.0	0.0	
100	16QAM	1	1	21.02	21.06	20.90	22.0	0.0	
100	256QAM	1	1	21.02	21.00	20.83	22.0	0.0	
Channel									
Frequency (MHz)				2541	2592.99	2644.98	2544	2592.99 2644.98	
90	QPSK	1	1	20.98	21.07	20.90	22.0	0.0	
Channel									
Frequency (MHz)				507204	518988	529998	2536.02	2592.99 2649.99	
80	QPSK	1	1	20.87	21.05	20.90	22.0	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2655	18.18	18.13 19.0	
70	QPSK	1	1	21.00	21.02	20.87	22.0	0.0	
Channel									
Frequency (MHz)				505200	518988	531996	2531.01	2592.99 2655	
60	QPSK	1	1	21.02	21.05	20.90	22.0	0.0	
Channel									
Frequency (MHz)				504204	518988	532996	2521.02	2592.99 2664.99	
50	QPSK	1	1	20.93	21.05	20.88	22.0	0.0	
Channel									
Frequency (MHz)				503202	518988	534000	2516.01	2592.99 2670	
40	QPSK	1	1	20.94	21.06	20.84	22.0	0.0	
Channel									
Frequency (MHz)				502200	518988	534996	2511	2592.99 2674.98	
30	QPSK	1	1	20.93	20.99	20.86	22.0	0.0	
Channel									
Frequency (MHz)				501702	518988	535996	2506.01	2592.99 2679.99	
25	QPSK	1	1	20.95	21.04	20.94	22.0	0.0	
Channel									
Frequency (MHz)				501204	518988	535996	2506.02	2592.99 2679.99	
20	QPSK	1	1	20.94	20.97	20.82	22.0	0.0	
Channel									
Frequency (MHz)				500700	518988	536496	2503.5	2592.99 2682.48	
15	QPSK	1	1	20.92	21.06	20.82	22.0	0.0	
Channel									
Frequency (MHz)				500202	518988	537000	2603.01	2692.99 2688	
10	QPSK	1	1	20.98	21.07	20.92	22.0	0.0	

FCC_n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				5052.02	518988	526996	2544		
100	P12 BPSK	1	1	18.09	18.40	18.17	19.5	0.0	
100	P12 BPSK	1	137	17.94	18.34	18.13			
100	P12 BPSK	1	271	18.00	18.31	18.13	19.5	0.0	
100	P12 BPSK	135	0	17.97	18.17	17.93			
100	P12 BPSK	135	69	17.99	18.23	18.08	19.5	0.0	
100	P12 BPSK	135	138	17.80	18.07	18.01	19.5	0.0	
100	P12 BPSK	270	0	17.96	18.15	17.90			
100	QPSK	1	1	18.21	18.45	18.30	19.5	0.0	
100	QPSK	1	137	18.08	18.40	18.19			
100	QPSK	1	271	18.14	18.40	18.20	19.5	0.0	
100	QPSK	135	0	18.04	18.26	18.06			
100	QPSK	135	69	18.05	18.31	18.18	19.5	0.0	
100	QPSK	135	138	17.96	18.18	18.12	19.5	0.0	
100	QPSK	270	0	18.04	18.24	18.05			
100	16QAM	1	1	18.14	18.31	18.18	19.5	0.0	
100	64QAM	1	1	18.15	18.39	18.23	19.5	0.0	
100	256QAM	1	1	18.13	18.31	18.17	19.5	0.0	
Channel				2551	518988	526996	2544		
90	QPSK	1	1	18.10	18.37	18.19	19.5	0.0	
Channel				507204	518988	526996	2544		
100	QPSK	135	138	18.04	18.30	18.16	19.5	0.0	
Channel				2551	2592	2644	19.5		
80	QPSK	1	1	18.11	18.39	18.16	19.5	0.0	
Channel				506922	518988	531000	2544		
Frequency (MHz)				2551.01	2592	2644	19.5		
70	QPSK	1	1	18.10	18.39	18.16	19.5	0.0	
Channel				506920	518988	531995	2544		
Frequency (MHz)				2551	2592	2699	19.5		
60	QPSK	1	1	18.09	18.30	18.18	19.5	0.0	
Channel				504224	518988	520996	2544		
Frequency (MHz)				2551.01	2592	2644	19.5		
50	QPSK	1	1	18.16	18.39	18.15	19.5	0.0	
Channel				255102	518988	534000	2544		
Frequency (MHz)				2551.01	2592	2670	19.5		
40	QPSK	1	1	18.14	18.34	18.21	19.5	0.0	
Channel				505200	518988	534996	2544		
Frequency (MHz)				2551	2592	2674	19.5		
30	QPSK	1	1	18.12	18.40	18.21	19.5	0.0	
Channel				505102	518988	535996	2544		
Frequency (MHz)				2550.51	2592	2670	19.5		
Channel				2550.51	2592	2675	19.5		
25	QPSK	1	1	18.12	18.40	18.20	19.5	0.0	
Channel				507204	518988	535996	2544		
Frequency (MHz)				2551.01	2592	2670	19.5		
20	QPSK	1	1	18.08	18.37	18.15	19.5	0.0	
Channel				507000	518988	536496	2544		
Frequency (MHz)				2550.51	2592	2682	19.5		
15	QPSK	1	1	18.13	18.35	18.22	19.5	0.0	
Channel				2550.51	518988	537000	2544		
Frequency (MHz)				2551.01	2592	2685	19.5		
10	QPSK	1	1	18.12	18.34	18.20	19.5	0.0	



FCC_n41(HPUE)_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505202	518598	535000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	Pl2 BPSK	1	1	21.26	21.63	21.36	22.5	0.0
100	Pl2 BPSK	1	137	21.16	21.55	21.28		
100	Pl2 BPSK	1	271	21.07	21.49	21.25		
100	Pl2 BPSK	135	0	21.01	21.43	21.26	22.5	0.0
100	Pl2 BPSK	135	69	21.21	21.58	21.30	22.5	0.0
100	Pl2 BPSK	135	138	21.07	21.54	21.18	22.5	0.0
100	Pl2 BPSK	270	0	21.03	21.36	21.21		
100	QPSK	1	1	21.38	21.71	21.45		
100	QPSK	1	137	21.31	21.63	21.36	22.5	0.0
100	QPSK	1	271	21.22	21.63	21.39		
100	QPSK	135	0	21.16	21.57	21.32		
100	QPSK	135	69	21.17	21.65	21.43	22.5	0.0
100	QPSK	135	138	21.12	21.59	21.28	22.5	0.0
100	QPSK	270	0	21.12	21.50	21.32		
100	16QAM	1	1	21.30	21.64	21.44		
100	64QAM	1	1	21.27	21.56	21.37	22.5	0.0
100	256QAM	1	1	21.31	21.65	21.35	22.5	0.0
Channel				506200	518598	528598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	22.5	0.0
QPSK				21.22	21.58	21.37		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2648.99	22.5	0.0
QPSK				21.31	21.64	21.36		
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	22.5	0.0
QPSK				21.28	21.66	21.42		
Channel				509200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2660.98	22.5	0.0
QPSK				21.28	21.63	21.43		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2654.98	22.5	0.0
QPSK				21.25	21.59	21.40		
Channel				505202	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	22.5	0.0
QPSK				21.23	21.64	21.38		
Channel				506200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	22.5	0.0
QPSK				21.28	21.61	21.36		
Channel				507202	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.51	2592.99	2677.5	22.5	0.0
QPSK				21.20	21.63	21.45		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2678.98	22.5	0.0
QPSK				21.21	21.58	21.43		
Channel				502000	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	22.5	0.0
QPSK				21.28	21.63	21.42		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.91	2592.99	2685	22.5	0.0
QPSK				21.25	21.58	21.38		



n48_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
40	P12 BPSK	1	1	15.14	15.17	15.07		
40	P12 BPSK	1	53	15.05	15.09	15.00	17.0	0.0
40	P12 BPSK	1	104	15.00	15.00	15.00		
40	P12 BPSK	50	0	15.03	15.00	15.00	17.0	0.0
40	P12 BPSK	50	28	15.04	15.10	15.00	17.0	0.0
40	P12 BPSK	50	56	15.02	15.01	15.02		
40	P12 BPSK	100	0	15.06	15.04	15.02	17.0	0.0
40	QPSK	1	1	15.13	15.22	15.22		
40	QPSK	1	53	15.12	15.17	15.06	17.0	0.0
40	QPSK	50	0	15.01	15.12	15.07	17.0	0.0
40	QPSK	50	28	15.05	15.24	15.14		
40	QPSK	50	56	15.05	15.09	15.07	17.0	0.0
40	QPSK	100	0	15.01	15.14	15.04		
40	8QAM	1	1	15.07	15.17	15.07	17.0	0.0
40	8QAM	1	1	15.06	15.15	15.14	17.0	0.0
40	256QAM	1	1	15.05	15.22	15.11	17.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	15.11	15.21	15.11	17.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	15.09	15.26	15.12	17.0	0.0
Channel								
Frequency [MHz]								
15	QPSK	1	1	15.07	15.19	15.11	17.0	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	15.10	15.22	15.16	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
40	P12 BPSK	1	1	15.40	15.73	15.45		
40	P12 BPSK	1	53	15.07	15.59	15.39	16.5	0.0
40	P12 BPSK	1	104	15.49	15.62	15.30		
40	P12 BPSK	50	0	15.35	15.56	15.25	16.5	0.0
40	P12 BPSK	50	28	15.50	15.58	15.42	16.5	0.0
40	P12 BPSK	50	56	15.35	15.48	15.31		
40	P12 BPSK	100	0	15.50	15.50	15.29	16.5	0.0
40	QPSK	1	1	15.73	15.80	15.55		
40	QPSK	1	53	15.68	15.76	15.50	16.5	0.0
40	QPSK	50	0	15.49	15.64	15.35	16.5	0.0
40	QPSK	50	28	15.61	15.75	15.44		
40	QPSK	50	56	15.49	15.59	15.38	16.5	0.0
40	QPSK	100	0	15.57	15.62	15.36		
40	16QAM	1	1	15.50	15.70	15.40	16.5	0.0
40	64QAM	1	1	15.61	15.73	15.46	16.5	0.0
40	256QAM	1	1	15.60	15.74	15.51	16.5	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	15.63	15.68	15.46	16.5	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	15.60	15.68	15.51	16.5	0.0
Channel								
Frequency [MHz]								
15	QPSK	1	1	15.58	15.73	15.45	16.5	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	15.65	15.65	15.49	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
40	P12 BPSK	1	1	13.01	13.01	12.99		
40	P12 BPSK	1	53	12.99	12.92	12.89	14.0	0.0
40	P12 BPSK	1	104	12.98	13.00	12.97		
40	P12 BPSK	50	0	12.83	12.89	12.84	14.0	0.0
40	P12 BPSK	50	28	12.96	13.01	12.89	14.0	0.0
40	P12 BPSK	50	56	12.89	12.92	12.84		
40	P12 BPSK	100	0	12.77	12.91	12.77	14.0	0.0
40	QPSK	1	1	13.13	13.16	13.07		
40	QPSK	1	53	13.07	13.05	13.01	14.0	0.0
40	QPSK	1	104	13.05	13.08	12.92		
40	QPSK	50	0	12.94	12.97	12.94	14.0	0.0
40	QPSK	50	28	13.03	13.11	13.05	14.0	0.0
40	QPSK	50	56	12.98	12.97	12.89	14.0	0.0
40	QPSK	100	0	12.89	13.01	12.85		
40	16QAM	1	1	13.05	13.06	12.99	14.0	0.0
40	64QAM	1	1	13.06	13.02	13.02	14.0	0.0
40	256QAM	1	1	13.01	13.07	12.93	14.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	13.04	13.07	12.96	14.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	13.05	13.07	13.02	14.0	0.0
Channel								
Frequency [MHz]								
15	QPSK	1	1	13.08	13.06	12.97	14.0	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	13.02	13.08	13.02	14.0	0.0



n48_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Meds Ch. / Freq.	Power High Ch. / Freq.	Tune-up Inst (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				636000	641666	646332			
40	PQ2 BPSK	1	1	18.14	18.20	18.21			
40	PQ2 BPSK	1	53	18.09	18.21	18.07	19.0	0.0	
40	PQ2 BPSK	1	104	18.09	18.21	18.15			
40	PQ2 BPSK	50	5	18.01	18.02	18.04	19.0	0.0	
40	PQ2 BPSK	50	26	18.05	18.21	18.06	19.0	0.0	
40	PQ2 BPSK	50	50	18.08	18.03	17.98	19.0	0.0	
40	PQ2 BPSK	100	5	18.00	18.07	18.01			
40	QPSK	1	1	18.10	18.30	18.20	19.0	0.0	
40	QPSK	1	53	18.16	18.33	18.17			
40	QPSK	1	104	18.10	18.33	18.20			
40	QPSK	50	5	18.10	18.14	18.13	19.0	0.0	
40	QPSK	50	26	18.10	18.20	18.17	19.0	0.0	
40	QPSK	50	50	18.11	18.14	18.09	19.0	0.0	
40	QPSK	100	5	18.12	18.20	18.09			
40	64QAM	1	1	18.10	18.34	18.15	19.0	0.0	
40	64QAM	1	1	18.10	18.24	18.20	19.0	0.0	
40	256QAM	1	1	18.17	18.33	18.15	19.0	0.0	
Channel				636000	641666	646332			
Frequency (MHz)				636000	641666	646332			
30	QPSK	1	1	18.10	18.20	18.21	19.0	0.0	
Channel				636000	641666	646332			
Frequency (MHz)				636000	641666	646332			
20	QPSK	1	1	18.19	18.24	18.17	19.0	0.0	
Channel				636000	641666	646332			
Frequency (MHz)				636000	641666	646332			
15	QPSK	1	1	18.13	18.28	18.14	19.0	0.0	
Channel				636000	641666	646332			
Frequency (MHz)				636000	641666	646332			
10	QPSK	1	1	18.16	18.24	18.21	19.0	0.0	

Part27Q_n77_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Meds Ch. / Freq.	Power High Ch. / Freq.	Tune-up Inst (dBm)	MPR (dB)	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
100	PQ2 BPSK	1	1	17.79	17.79	17.79			
100	PQ2 BPSK	1	137	17.80			18.5	0.0	
100	PQ2 BPSK	1	271	17.85					
100	PQ2 BPSK	135	0	17.80			18.5	0.0	
100	PQ2 BPSK	135	69	17.84			18.5	0.0	
100	PQ2 BPSK	135	136	17.74			18.5	0.0	
100	PQ2 BPSK	270	0	17.87					
100	QPSK	1	1	17.80			18.5	0.0	
100	QPSK	1	137	17.80					
100	QPSK	1	271	17.83					
100	QPSK	135	0	17.79			18.5	0.0	
100	QPSK	135	69	17.85			18.5	0.0	
100	QPSK	135	136	17.80			18.5	0.0	
100	QPSK	270	0	17.86					
100	64QAM	1	1	17.75			18.5	0.0	
100	64QAM	1	1	17.85			18.5	0.0	
100	256QAM	1	1	17.88			18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
90	QPSK	1	1	17.76	17.79	17.78	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
80	QPSK	1	1	17.88	17.81	17.85	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
70	QPSK	1	1	17.74	17.81	17.78	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
60	QPSK	1	1	17.78	17.81	17.79	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
50	QPSK	1	1	17.77	17.88	17.74	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
40	QPSK	1	1	17.79	17.73	17.87	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
30	QPSK	1	1	17.86	17.82	17.82	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
25	QPSK	1	1	17.88	17.83	17.88	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
20	QPSK	1	1	17.75	17.84	17.80	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
15	QPSK	1	1	17.89	17.77	17.83	18.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				633332	633332	633332			
10	QPSK	1	1	17.76	17.84	17.80	18.5	0.0	

Part27Q_n77(HPUe)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Inst (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				6339.88	6339.88				
100	PQ2 BPSK	1	1	20.51					
100	PQ2 BPSK	1	137	20.52			21.5	0.0	
100	PQ2 BPSK	1	271	20.54					
100	PQ2 BPSK	135	0	20.58			21.5	0.0	
100	PQ2 BPSK	135	69	20.65			21.5	0.0	
100	PQ2 BPSK	135	136	20.51			21.5	0.0	
100	PQ2 BPSK	270	0	20.65					
100	QPSK	1	1	20.66			21.5	0.0	
100	QPSK	1	137	20.51					
100	QPSK	1	271	20.54					
100	QPSK	135	0	20.58			21.5	0.0	
100	QPSK	135	69	20.65			21.5	0.0	
100	QPSK	135	136	20.60			21.5	0.0	
100	QPSK	270	0	20.67			21.5	0.0	
100	16QAM	1	1	20.51			21.5	0.0	
100	64QAM	1	1	20.67			21.5	0.0	
100	256QAM	1	1	20.60			21.5	0.0	
Channel				633000	633332	633666		MPR	
Frequency (MHz)				633000	633332	633666		(dB)	
90	QPSK	1	1	20.62	20.60	20.64	21.5	0.0	
Channel				633666	633332	633000		MPR	
Frequency (MHz)				633666	633332	633000		(dB)	
80	QPSK	1	1	20.61	20.63	20.65	21.5	0.0	
Channel				633234	633332	633432		MPR	
Frequency (MHz)				633234	633332	633432		(dB)	
70	QPSK	1	1	20.67	20.62	20.68	21.5	0.0	
Channel				633000	633332	633666		MPR	
Frequency (MHz)				633000	633332	633666		(dB)	
60	QPSK	1	1	20.68	20.65	20.65	21.5	0.0	
Channel				633666	633332	633000		MPR	
Frequency (MHz)				633666	633332	633000		(dB)	
50	QPSK	1	1	20.62	20.65	20.62	21.5	0.0	
Channel				633134	633332	633532		MPR	
Frequency (MHz)				633134	633332	633532		(dB)	
40	QPSK	1	1	20.68	20.64	20.65	21.5	0.0	
Channel				633000	633332	633666		MPR	
Frequency (MHz)				633000	633332	633666		(dB)	
30	QPSK	1	1	20.62	20.62	20.68	21.5	0.0	
Channel				633034	633332	633532		MPR	
Frequency (MHz)				633034	633332	633532		(dB)	
25	QPSK	1	1	20.61	20.68	20.63	21.5	0.0	
Channel				633666	633332	633000		MPR	
Frequency (MHz)				633666	633332	633000		(dB)	
20	QPSK	1	1	20.65	20.67	20.62	21.5	0.0	
Channel				633660	633332	633516		MPR	
Frequency (MHz)				633660	633332	633516		(dB)	
15	QPSK	1	1	20.65	20.67	20.60	21.5	0.0	
Channel				633034	633332	633532		MPR	
Frequency (MHz)				633034	633332	633532		(dB)	
10	QPSK	1	1	20.69	20.61	20.63	21.5	0.0	

Part270_n77_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				3750	3450	3550	
Frequency (MHz)							
100	PI2 BPSK	1	1	17.89	17.87	17.82	18.5
100	PI2 BPSK	1	137	17.82	17.82	17.81	18.5
100	PI2 BPSK	1	271	17.77	17.78	17.78	18.5
100	PI2 BPSK	135	5	17.77	17.80	17.80	18.5
100	PI2 BPSK	135	69	17.77	17.81	17.80	18.5
100	PI2 BPSK	135	138	17.80	17.81	17.78	18.5
100	PI2 BPSK	270	5	17.81	17.87	17.78	18.5
100	QPSK	1	1	17.82	18.02	17.82	18.5
100	QPSK	1	271	17.82	17.81	17.80	18.5
100	QPSK	135	5	17.88	17.83	17.82	18.5
100	QPSK	135	69	17.87	17.86	17.86	18.5
100	QPSK	135	138	17.79	17.79	17.81	18.5
100	QPSK	270	5	17.88	17.88	17.84	18.5
100	ISQAM	1	1	17.81	17.80	17.83	18.5
100	ISQAM	1	1	17.89	17.81	17.85	18.5
100	ISQAM	1	1	17.83	17.89	17.81	18.5
Channel				669668	666000	662032	Tune-up offset MPR
Frequency (MHz)							
90	QPSK	1	1	17.83	17.87	17.89	18.5
Channel				669334	666000	662068	Tune-up offset MPR
Frequency (MHz)							
80	QPSK	1	1	17.82	17.83	17.88	18.5
Channel				666000	666000	666000	Tune-up offset MPR
Frequency (MHz)							
70	QPSK	1	1	17.85	17.87	17.84	18.5
Channel				667668	666000	663332	Tune-up offset MPR
Frequency (MHz)							
60	QPSK	1	1	17.86	17.85	17.85	18.5
Channel				668334	666000	663666	Tune-up offset MPR
Frequency (MHz)							
50	QPSK	1	1	17.84	18.00	17.89	18.5
Channel				668000	666000	664000	Tune-up offset MPR
Frequency (MHz)							
40	QPSK	1	1	17.84	17.89	17.85	18.5
Channel				667668	666000	664332	Tune-up offset MPR
Frequency (MHz)							
30	QPSK	1	1	17.82	17.86	17.85	18.5
Channel				667000	666000	664000	Tune-up offset MPR
Frequency (MHz)							
25	QPSK	1	1	17.79	17.89	17.81	18.5
Channel				667334	666000	664666	Tune-up offset MPR
Frequency (MHz)							
20	QPSK	1	1	17.80	17.79	17.80	18.5
Channel				667668	666000	664332	Tune-up offset MPR
Frequency (MHz)							
15	QPSK	1	1	17.88	17.88	17.80	18.5
Channel				667000	666000	665000	Tune-up offset MPR
Frequency (MHz)							
10	QPSK	1	1	17.91	17.83	17.86	18.5

Part270_n77(HPUE)_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.	MPR (dB)	
Channel				660000	666000	662000		
Frequency (MHz)								
100	PI2 BPSK	1	1	20.70	20.77	20.70	0.0	
100	PI2 BPSK	1	137	20.83	20.80	20.70		
100	PI2 BPSK	1	271	20.82	20.75	20.85		
100	PI2 BPSK	135	5	20.78	20.88	20.78		
100	PI2 BPSK	135	69	20.75	20.78	20.75	21.5	
100	PI2 BPSK	135	138	20.78	20.77	20.89	21.5	
100	PI2 BPSK	270	5	20.74	20.87	20.85	0.0	
100	QPSK	1	1	20.84	20.89	20.80		
100	QPSK	1	137	20.83	20.77	20.71		
100	QPSK	1	271	20.77	20.75	20.72		
100	QPSK	135	5	20.74	20.78	20.67	21.5	
100	QPSK	135	69	20.80	20.87	20.78	21.5	
100	QPSK	135	138	20.79	20.82	20.75	21.5	
100	QPSK	270	5	20.83	20.85	20.70	21.5	
100	ISQAM	1	1	20.74	20.78	20.69	0.0	
100	ISQAM	1	1	20.70	20.88	20.77		
100	ISQAM	1	1	20.72	20.80	20.70		
100	ISQAM	1	1	20.72	20.80	20.70		
Channel				669668	669668	662332	Tune-up first	MPR
Frequency (MHz)								
90	QPSK	1	1	20.70	20.74	20.67	21.5	0.0
Channel				669334 <th>669334</th> <th>662666</th> <th>Tune-up first</th> <th>MPR</th>	669334	662666	Tune-up first	MPR
Frequency (MHz)								
80	QPSK	1	1	20.81	20.78	20.79	21.5	0.0
Channel				669660	669660	663000	Tune-up first	MPR
Frequency (MHz)								
70	QPSK	1	1	20.80	20.82	20.77	21.5	0.0
Channel				669668	669668	663332	Tune-up first	MPR
Frequency (MHz)								
60	QPSK	1	1	20.72	20.74	20.67	21.5	0.0
Channel				668334 <th>668334</th> <th>663666</th> <th>Tune-up first</th> <th>MPR</th>	668334	663666	Tune-up first	MPR
Frequency (MHz)								
50	QPSK	1	1	20.83	20.78	20.78	21.5	0.0
Channel				669660	669660	664000	Tune-up first	MPR
Frequency (MHz)								
40	QPSK	1	1	20.79	20.78	20.73	21.5	0.0
Channel				667668	667668	664332	Tune-up first	MPR
Frequency (MHz)								
30	QPSK	1	1	20.71	20.80	20.65	21.5	0.0
Channel				667500	667500	664666	Tune-up first	MPR
Frequency (MHz)								
25	QPSK	1	1	20.80	20.75	20.67	21.5	0.0
Channel				667334	667334	664966	Tune-up first	MPR
Frequency (MHz)								
20	QPSK	1	1	20.82	20.88	20.88	21.5	0.0
Channel				667168	667168	664832	Tune-up first	MPR
Frequency (MHz)								
15	QPSK	1	1	20.78	20.80	20.74	21.5	0.0
Channel				667000	667000	665000	Tune-up first	MPR
Frequency (MHz)								
10	QPSK	1	1	20.81	20.82	20.74	21.5	0.0



Part27Q_n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.66					
100	PQ2 BPSK	1	1	15.22					
100	PQ2 BPSK	1	137	15.20			16.0	0.0	
100	PQ2 BPSK	1	271	15.12					
100	PQ2 BPSK	135	0	15.07			16.0	0.0	
100	PQ2 BPSK	135	69	15.06			16.0	0.0	
100	PQ2 BPSK	135	135	15.02					
100	PQ2 BPSK	270	0	15.00			16.0	0.0	
100	QPSK	1	1	15.35					
100	QPSK	1	137	15.30			16.0	0.0	
100	QPSK	1	271	15.24					
100	QPSK	135	0	15.13			16.0	0.0	
100	QPSK	135	69	15.20			16.0	0.0	
100	QPSK	135	135	15.07			16.0	0.0	
100	QPSK	270	0	15.00					
100	16QAM	1	1	15.22			16.0	0.0	
100	64QAM	1	1	15.23			16.0	0.0	
100	256QAM	1	1	15.25			16.0	0.0	
Channel				63300.0	63300.0	63306.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
90	QPSK	1	1	15.12	15.24	15.26	16.0	0.0	
Channel				63368.0	63368.0	63400.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
80	QPSK	1	1	15.11	15.24	15.25	16.0	0.0	
Channel				63434.0	63434.0	63434.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
70	QPSK	1	1	15.19	15.24	15.30	16.0	0.0	
Channel				63500.0	63500.0	63496.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
60	QPSK	1	1	15.13	15.27	15.30	16.0	0.0	
Channel				63466.0	63466.0	63500.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
50	QPSK	1	1	15.20	15.28	15.30	16.0	0.0	
Channel				63434.0	63434.0	63532.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
40	QPSK	1	1	15.17	15.26	15.24	16.0	0.0	
Channel				63400.0	63500.0	63566.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
30	QPSK	1	1	15.15	15.20	15.25	16.0	0.0	
Channel				63534.0	63534.0	63582.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
25	QPSK	1	1	15.15	15.30	15.26	16.0	0.0	
Channel				63566.0	63566.0	63600.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
20	QPSK	1	1	15.13	15.30	15.25	16.0	0.0	
Channel				63595.0	63595.0	63616.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
15	QPSK	1	1	15.14	15.24	15.23	16.0	0.0	
Channel				63634.0	63634.0	63632.0	Tune-up limit	MPR	
Frequency (MHz)				3499.66	3499.66	3500.34			
10	QPSK	1	1	15.12	15.20	15.25	16.0	0.0	

Part27Q_n77(HPUe)_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Middle Ch./Frac.	Power High Ch./Frac.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63300	63332	63368		MPR
100	PQ2 BPSK	1	1	18.12				
100	PQ2 BPSK	1	137	18.01			19.0	0.0
100	PQ2 BPSK	1	271	18.06				
100	PQ2 BPSK	135	0	17.88			19.0	0.0
100	PQ2 BPSK	135	69	18.01			19.0	0.0
100	PQ2 BPSK	135	135	17.85			19.0	0.0
100	PQ2 BPSK	270	0	18.01				
100	QPSK	1	1	18.27				
100	QPSK	1	137	18.16			19.0	0.0
100	QPSK	1	271	18.17				
100	QPSK	135	0	17.97			19.0	0.0
100	QPSK	135	69	18.12			19.0	0.0
100	QPSK	135	135	18.01			19.0	0.0
100	QPSK	270	0	18.07				
100	16QAM	1	1	18.21			19.0	0.0
100	64QAM	1	1	18.20			19.0	0.0
100	256QAM	1	1	18.12			19.0	0.0
Channel				63300	63332	63368		MPR
Frequency (MHz)				3495	3499.98	3504.98		
90	QPSK	1	1	17.99	18.22	18.07	19.0	0.0
Channel				63368	63388	63400		MPR
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	18.05	18.20	18.06	19.0	0.0
Channel				63416	63434	63432		MPR
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	18.00	18.16	18.08	19.0	0.0
Channel				63400	63420	63468		MPR
Frequency (MHz)				3480	3499.98	3520.98		
60	QPSK	1	1	18.06	18.18	18.05	19.0	0.0
Channel				63468	63488	63500		MPR
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	18.06	18.15	18.12	19.0	0.0
Channel				63434	63434	63532		MPR
Frequency (MHz)				3470.01	3499.98	3532.98		
40	QPSK	1	1	18.05	18.17	18.10	19.0	0.0
Channel				63500	63520	63568		MPR
Frequency (MHz)				3465	3499.98	3534.98		
30	QPSK	1	1	18.03	18.22	18.05	19.0	0.0
Channel				63584	63584	63632		MPR
Frequency (MHz)				3460.01	3499.98	3542.98		
25	QPSK	1	1	17.98	18.19	18.04	19.0	0.0
Channel				63668	63668	63800		MPR
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	17.98	18.14	18.12	19.0	0.0
Channel				63600	63600	63816		MPR
Frequency (MHz)				3457.5	3499.98	3542.48		
15	QPSK	1	1	18.01	18.22	18.10	19.0	0.0
Channel				63634	63634	63832		MPR
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	18.03	18.15	18.08	19.0	0.0

Part27Q_n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				7760	7760	7800			
100	PQ2 BPSK	1	1	15.25	15.30	15.20			
100	PQ2 BPSK	1	137	15.15	15.20	15.12	16.0	0.0	
100	PQ2 BPSK	1	271	15.20	15.28	15.02			
100	PQ2 BPSK	135	0	15.07	15.08	14.98	16.0	0.0	
100	PQ2 BPSK	135	69	15.16	15.15	15.08	16.0	0.0	
100	PQ2 BPSK	135	138	15.06	15.08	14.97	16.0	0.0	
100	PQ2 BPSK	270	0	15.05	15.11	14.98			
100	QPSK	1	1	15.27	15.40	15.35			
100	QPSK	1	137	15.20	15.28	15.25	16.0	0.0	
100	QPSK	1	271	15.28	15.35	15.15			
100	QPSK	135	0	15.16	15.16	15.12	16.0	0.0	
100	QPSK	135	69	15.25	15.25		16.0	0.0	
100	QPSK	135	138	15.16	15.20	15.07	16.0	0.0	
100	QPSK	270	0	15.11	15.21	15.11	16.0	0.0	
100	16QAM	1	1	15.23	15.28	15.24	16.0	0.0	
100	16QAM	1	137	15.20	15.22	15.23	16.0	0.0	
100	16QAM	1	271	15.28	15.31	15.20	16.0	0.0	
100	16QAM	1	135	15.31	15.31	15.20	16.0	0.0	
Frequency (MHz)				86868	86868	86932		MPR	
50	QPSK	1	1	15.27	15.37	15.32			
50	QPSK	1	1	15.27	15.27	15.23	16.0	0.0	
Frequency (MHz)				86834	86834	86906		MPR	
80	QPSK	1	1	15.27	15.30	15.24	16.0	0.0	
Frequency (MHz)				86800	86800	86900		MPR	
100	QPSK	1	1	15.27	15.34	15.30	16.0	0.0	
Frequency (MHz)				86868	86868	86932		MPR	
75	QPSK	1	1	15.25	15.34	15.28	16.0	0.0	
Frequency (MHz)				86868	86868	86932		MPR	
60	QPSK	1	1	15.25	15.26	15.15	16.0	0.0	
Frequency (MHz)				86834	86834	86906		MPR	
50	QPSK	1	1	15.27	15.30	15.24	16.0	0.0	
Frequency (MHz)				86800	86800	86900		MPR	
40	QPSK	1	1	15.27	15.34	15.21	16.0	0.0	
Frequency (MHz)				86868	86868	86932		MPR	
30	QPSK	1	1	15.25	15.33	15.24	16.0	0.0	
Frequency (MHz)				86868	86868	86932		MPR	
30	QPSK	1	1	15.26	15.33	15.15	16.0	0.0	
Frequency (MHz)				86750	86750	86800		MPR	
25	QPSK	1	1	15.23	15.29	15.24	16.0	0.0	
Frequency (MHz)				86734	86734	86866		MPR	
20	QPSK	1	1	15.24	15.30	15.18	16.0	0.0	
Frequency (MHz)				86718	86718	86832		MPR	
15	QPSK	1	1	15.29	15.28	15.10	16.0	0.0	
Frequency (MHz)				86700	86700	86800		MPR	
10	QPSK	1	1	15.31	15.26	15.23	16.0	0.0	



Part27O_n77(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				660000	660000	660000			
Frequency (MHz)				3450	3450	3450			
100	F3/2 BPSK	1	1	17.88	18.03	17.97			
100	F3/2 BPSK	1	137	17.74	17.99	17.86	19.0	0.0	
100	F3/2 BPSK	1	271	17.78	17.86	17.84			
100	F3/2 BPSK	135	0	17.70	17.82	17.75	19.0	0.0	
100	F3/2 BPSK	135	69	17.81	17.88	17.81	19.0	0.0	
100	F3/2 BPSK	135	138	17.76	17.83	17.75	19.0	0.0	
100	F3/2 BPSK	270	0	17.68	17.78	17.75			
100	QPSK	1	1	18.03	18.13	18.08			
100	QPSK	1	137	17.89	18.08	18.06	19.0	0.0	
100	QPSK	1	271	17.91	18.08	17.93			
100	QPSK	135	0	17.83	17.95	17.79	19.0	0.0	
100	QPSK	135	69	17.88	18.02	17.95	19.0	0.0	
100	QPSK	135	138	17.83	17.91	17.88	19.0	0.0	
100	QPSK	270	0	17.82	17.89	17.83			
100	BQAM	1	1	18.06	18.08	18.06	19.0	0.0	
100	BQAM	1	1	17.97	18.00	18.00	19.0	0.0	
100	SSBQAM	1	1	17.88	18.07	18.00	19.0	0.0	
Channel				34500	34500	34500	34500 (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3834.98			
90	QPSK	1	1	17.95	18.01	17.94	19.0	0.0	
Channel				34535	35500	35965	34535 (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3839.99			
80	QPSK	1	1	17.84	18.02	18.01	19.0	0.0	
Channel				34500	35500	35965	34500 (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3845			
70	QPSK	1	1	17.97	18.07	18.02	19.0	0.0	
Channel				34500	35500	35965	34500 (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3840.98			
60	QPSK	1	1	17.94	18.04	17.98	19.0	0.0	
Channel				34535	35500	35965	34535 (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3854.99			
50	QPSK	1	1	17.91	18.02	18.03	19.0	0.0	
Channel				34500	35500	35965	34500 (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3860			
40	QPSK	1	1	17.92	18.05	18.01	19.0	0.0	
Channel				34500	35500	35965	34500 (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3864.98			
30	QPSK	1	1	17.98	18.08	17.98	19.0	0.0	
Channel				34500	35500	35965	34500 (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3867.5			
25	QPSK	1	1	17.89	18.08	17.99	19.0	0.0	
Channel				347334	35500	35965	347334 (dBm)	MPR (dB)	
Frequency (MHz)				3710.51	3840	3868.50			
20	QPSK	1	1	17.79	18.02	17.97	19.0	0.0	
Channel				347168	35500	35965	347168 (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3872.48			
15	QPSK	1	1	17.68	18.08	18.01	19.0	0.0	
Channel				347000	35500	35965	347000 (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3875			
10	QPSK	1	1	17.58	17.96	17.96	19.0	0.0	

Part27Q_n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power MidB Ch. / Freq.	Power High Ch. / Freq.	Tune-up Intvl (dBm)	MPR (dB)
Channel				63332	63332	63332		
Frequency (MHz)				3499.98	3499.98	3499.98		
100	PI2 BPSK	1	1	12.96	12.96	12.96	14.0	0.0
100	PI2 BPSK	1	137	12.83	12.83	12.83	14.0	0.0
100	PI2 BPSK	1	271	12.76	12.76	12.76	14.0	0.0
100	PI2 BPSK	135	0	12.68	12.68	12.68	14.0	0.0
100	PI2 BPSK	135	69	12.70	12.70	12.70	14.0	0.0
100	PI2 BPSK	135	138	12.66	12.66	12.66	14.0	0.0
100	PI2 BPSK	270	0	12.70	12.70	12.70	14.0	0.0
100	QPSK	1	1	13.03	13.03	13.03	14.0	0.0
100	QPSK	1	137	12.88	12.88	12.88	14.0	0.0
100	QPSK	1	271	12.89	12.89	12.89	14.0	0.0
100	QPSK	135	0	12.83	12.83	12.83	14.0	0.0
100	QPSK	135	69	12.79	12.79	12.79	14.0	0.0
100	QPSK	135	138	12.75	12.75	12.75	14.0	0.0
100	QPSK	270	0	12.83	12.83	12.83	14.0	0.0
100	QAM	1	1	12.94	12.94	12.94	14.0	0.0
100	QAM	1	1	12.95	12.95	12.95	14.0	0.0
100	SSBQAM	1	1	12.88	12.88	12.88	14.0	0.0
Channel				63360	63360	63360		
Frequency (MHz)				3495	3499.98	3504.98		
90	QPSK	1	1	12.74	12.96	12.79	14.0	0.0
Channel				63368	63368	63368		
Frequency (MHz)				3490.02	3499.98	3500		
80	QPSK	1	1	12.70	12.97	12.75	14.0	0.0
Channel				63374	63374	63374		
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	12.72	12.90	12.85	14.0	0.0
Channel				63380	63380	63380		
Frequency (MHz)				3480	3499.98	3519.98		
60	QPSK	1	1	12.79	12.98	12.75	14.0	0.0
Channel				63386	63386	63386		
Frequency (MHz)				3475.02	3499.98	3520		
50	QPSK	1	1	12.72	12.90	12.81	14.0	0.0
Channel				63391	63391	63391		
Frequency (MHz)				3470.91	3499.98	3520.98		
40	QPSK	1	1	12.77	12.98	12.75	14.0	0.0
Channel				63399	63399	63399		
Frequency (MHz)				3465	3499.98	3534.98		
30	QPSK	1	1	12.79	12.94	12.80	14.0	0.0
Channel				63404.9	63399	63399		
Frequency (MHz)				3462.91	3499.98	3537.98		
25	QPSK	1	1	12.74	12.83	12.80	14.0	0.0
Channel				63408	63399	63399		
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	12.75	12.88	12.80	14.0	0.0
Channel				63409	63399	63399		
Frequency (MHz)				3457.5	3499.98	3542.40		
15	QPSK	1	1	12.75	12.81	12.80	14.0	0.0
Channel				63414	63399	63399		
Frequency (MHz)				3455.91	3499.98	3544.98		
10	QPSK	1	1	12.78	12.86	12.81	14.0	0.0



Part27Q_n77(HPUE)_Ant 6									
[BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.86	15.86	15.86	17.0	0.0	
100	PI2 BPSK	1	137	15.84	15.84	15.84	17.0	0.0	
100	PI2 BPSK	1	271	15.84	15.84	15.84	17.0	0.0	
100	PI2 BPSK	135	0	15.86	15.86	15.86	17.0	0.0	
100	PI2 BPSK	135	69	15.80	15.80	15.80	17.0	0.0	
100	PI2 BPSK	135	138	15.84	15.84	15.84	17.0	0.0	
100	QPSK	1	270	15.84	15.84	15.84	17.0	0.0	
100	QPSK	1	1	15.87	15.87	15.87	17.0	0.0	
100	QPSK	1	137	15.87	15.87	15.87	17.0	0.0	
100	QPSK	135	271	15.84	15.84	15.84	17.0	0.0	
100	QPSK	135	210	15.86	15.86	15.86	17.0	0.0	
100	QPSK	270	89	15.80	15.80	15.80	17.0	0.0	
100	QPSK	270	89	15.80	15.80	15.80	17.0	0.0	
100	QPSK	270	89	15.80	15.80	15.80	17.0	0.0	
100	8QAM	1	1	15.86	15.86	15.86	17.0	0.0	
100	256QAM	1	1	15.87	15.87	15.87	17.0	0.0	
Channel									
Channel				633000	633352	633698	Tune-up test	MPR	
Frequency (MHz)				15.86	15.86	15.86	17.0	0.0	
90	QPSK	1	1	15.88	15.86	15.87	17.0	0.0	
Channel									
Channel				632668	633352	634000	Tune-up test	MPR	
Frequency (MHz)				15.88	15.86	15.87	17.0	0.0	
80	QPSK	1	1	15.89	15.89	15.90	17.0	0.0	
Channel									
Channel				632244	633352	634132	Tune-up test	MPR	
Frequency (MHz)				15.88	15.89	15.89	17.0	0.0	
70	QPSK	1	1	15.88	16.02	15.87	17.0	0.0	
Channel									
Channel				632000	633352	634668	Tune-up test	MPR	
Frequency (MHz)				15.88	16.02	15.87	17.0	0.0	
60	QPSK	1	1	15.88	16.04	15.88	17.0	0.0	
Channel									
Channel				631668	633352	635000	Tune-up test	MPR	
Frequency (MHz)				15.88	16.04	15.88	17.0	0.0	
50	QPSK	1	1	15.88	16.01	15.88	17.0	0.0	
Channel									
Channel				631334	633352	635332	Tune-up test	MPR	
Frequency (MHz)				15.83	16.01	15.89	17.0	0.0	
40	QPSK	1	1	15.83	16.03	15.87	17.0	0.0	
Channel									
Channel				631000	633352	635668	Tune-up test	MPR	
Frequency (MHz)				15.86	16.03	15.89	17.0	0.0	
30	QPSK	1	1	15.85	15.97	15.87	17.0	0.0	
Channel									
Channel				630884	633352	635832	Tune-up test	MPR	
Frequency (MHz)				15.83	15.97	15.87	17.0	0.0	
25	QPSK	1	1	15.80	16.03	15.87	17.0	0.0	
Channel									
Channel				630668	633352	636000	Tune-up test	MPR	
Frequency (MHz)				15.80	16.03	15.84	17.0	0.0	
20	QPSK	1	1	15.86	16.05	15.87	17.0	0.0	
Channel									
Channel				630500	633352	636168	Tune-up test	MPR	
Frequency (MHz)				15.85	16.05	15.89	17.0	0.0	
15	QPSK	1	1	15.88	16.08	15.91	17.0	0.0	
Channel									
Channel				630334	633352	636332	Tune-up test	MPR	
Frequency (MHz)				15.88	16.08	15.91	17.0	0.0	
10	QPSK	1	1	15.92	16.02	15.87	17.0	0.0	

Part27O_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	13.19	13.13	13.14	14.0	0.0	
100	PI2 BPSK	1	137	13.04	13.13	12.98	14.0	0.0	
100	PI2 BPSK	1	271	13.06	13.07	12.97	14.0	0.0	
100	PI2 BPSK	135	0	12.86	12.97	13.05	14.0	0.0	
100	PI2 BPSK	135	69	13.02	13.10	13.04	14.0	0.0	
100	PI2 BPSK	135	138	12.91	13.00	13.01	14.0	0.0	
100	PI2 BPSK	270	0	12.85	13.00	12.94	14.0	0.0	
100	QPSK	1	1	13.25	13.25	13.25	14.0	0.0	
100	QPSK	1	137	13.16	13.16	13.16	14.0	0.0	
100	QPSK	1	271	13.17	13.22	13.11	14.0	0.0	
100	QPSK	135	0	13.00	13.10	13.11	14.0	0.0	
100	QPSK	135	69	13.05	13.13	13.11	14.0	0.0	
100	QPSK	135	138	13.05	13.13	13.11	14.0	0.0	
100	QPSK	270	0	12.99	13.07	13.04	14.0	0.0	
100	16QAM	1	1	13.13	13.21	13.12	14.0	0.0	
100	64QAM	1	1	13.15	13.14	13.12	14.0	0.0	
100	256QAM	1	1	13.14	13.20	13.16	14.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.10	13.19	13.13	14.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.14	13.18	13.12	14.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.17	13.14	13.13	14.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.18	13.20	13.10	14.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.11	13.23	13.19	14.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.10	13.18	13.20	14.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.20	13.15	13.18	14.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.12	13.16	13.12	14.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.17	13.24	13.10	14.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.16	13.20	13.11	14.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.19	13.21	13.10	14.0	0.0	

Part27O_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.98	15.92	15.90			
100	PI2 BPSK	1	137	15.77	15.90	15.72	17.0	0.0	
100	PI2 BPSK	1	271	15.82	15.94	15.87			
100	PI2 BPSK	135	0	15.78	15.80	15.71	17.0	0.0	
100	PI2 BPSK	135	69	15.86	15.92	15.81	17.0	0.0	
100	PI2 BPSK	135	138	15.81	15.86	15.81	17.0	0.0	
100	PI2 BPSK	270	0	15.84	15.90	15.83			
100	QPSK	1	1	15.93	15.99	15.91			
100	QPSK	1	137	15.89	15.99	15.86	17.0	0.0	
100	QPSK	1	271	15.90	15.99	15.92			
100	QPSK	135	0	15.84	15.92	15.85	17.0	0.0	
100	QPSK	135	69	15.83	15.91	15.87	17.0	0.0	
100	QPSK	135	138	15.83	15.95	15.87	17.0	0.0	
100	QPSK	270	0	15.88	15.96	15.89			
100	16QAM	1	1	15.95	15.94	15.95	17.0	0.0	
100	64QAM	1	1	15.96	15.97	15.92	17.0	0.0	
100	256QAM	1	1	15.95	15.98	15.96	17.0	0.0	
Channel									
80	QPSK	1	1	15.9698	15.9005	15.9332	Tune-up test	MPR	
Frequency (MHz)									
80	QPSK	1	1	15.9698	15.9005	15.9332			
80	QPSK	1	15	15.98	15.94	15.92	17.0	0.0	
Channel									
80	QPSK	1	15	15.98	15.94	15.92	17.0	0.0	
Frequency (MHz)									
80	QPSK	1	15	15.98	15.94	15.92	17.0	0.0	
Channel									
80	QPSK	1	15	15.98	15.94	15.92	17.0	0.0	
Frequency (MHz)									
80	QPSK	1	15	15.98	15.97	15.93	17.0	0.0	
Channel									
76	QPSK	1	15	15.98	15.97	15.93	17.0	0.0	
Frequency (MHz)									
76	QPSK	1	15	15.98	15.97	15.93	17.0	0.0	
Channel									
76	QPSK	1	15	15.92	15.94	15.97	17.0	0.0	
Frequency (MHz)									
76	QPSK	1	15	15.92	15.94	15.97	17.0	0.0	
Channel									
76	QPSK	1	15	15.92	15.96	15.97	17.0	0.0	
Frequency (MHz)									
76	QPSK	1	15	15.92	15.96	15.97	17.0	0.0	
Channel									
40	QPSK	1	15	15.89	15.96	15.88	17.0	0.0	
Frequency (MHz)									
40	QPSK	1	15	15.89	15.96	15.88	17.0	0.0	
Channel									
30	QPSK	1	15	15.88	15.90	15.91	17.0	0.0	
Frequency (MHz)									
30	QPSK	1	15	15.88	15.90	15.91	17.0	0.0	
Channel									
25	QPSK	1	15	15.77	15.96	15.94	17.0	0.0	
Frequency (MHz)									
25	QPSK	1	15	15.77	15.96	15.94	17.0	0.0	
Channel									
20	QPSK	1	15	15.88	15.97	15.95	17.0	0.0	
Frequency (MHz)									
20	QPSK	1	15	15.88	15.97	15.95	17.0	0.0	
Channel									
16	QPSK	1	15	15.92	15.95	15.97	17.0	0.0	
Frequency (MHz)									
16	QPSK	1	15	15.92	15.95	15.97	17.0	0.0	
Channel									
10	QPSK	1	15	15.96	15.98	15.96	17.0	0.0	

Part27Q_n77_Ant 8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	
Channel				63332	63332	63332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI2 BPSK	1	1	17.66			
100	PI2 BPSK	1	137	17.59			18.5 0.0
100	PI2 BPSK	1	271	17.54			
100	PI2 BPSK	135	0	17.40			18.5 0.0
100	PI2 BPSK	135	69	17.56			18.5 0.0
100	PI2 BPSK	135	135	17.48			18.5 0.0
100	PI2 BPSK	270	0	17.40			18.5 0.0
100	QPSK	1	1	17.73			
100	QPSK	1	137	17.73			18.5 0.0
100	QPSK	1	271	17.64			
100	QPSK	135	0	17.55			18.5 0.0
100	QPSK	135	69	17.60			18.5 0.0
100	QPSK	135	135	17.61			18.5 0.0
100	QPSK	270	0	17.55			18.5 0.0
100	16QAM	1	1	17.60			18.5 0.0
100	64QAM	1	1	17.68			18.5 0.0
100	256QAM	1	1	17.64			18.5 0.0
Channel				63300	63300	63300	
Frequency (MHz)				3495.01	3499.98	3504.99	18.5 0.0
90	QPSK	1	1	17.60	17.71	17.45	18.5 0.0
Channel				63300	63300	63300	
Frequency (MHz)				3490.02	3499.98	3510.00	18.5 0.0
80	QPSK	1	1	17.65	17.64	17.53	18.5 0.0
Channel				63331	63331	63331	
Frequency (MHz)				3485.01	3499.98	3514.98	18.5 0.0
70	QPSK	1	1	17.56	17.72	17.47	18.5 0.0
Channel				63300	63300	63300	
Frequency (MHz)				3480.03	3499.98	3519.98	18.5 0.0
60	QPSK	1	1	17.57	17.68	17.49	18.5 0.0
Channel				63311	63311	63311	
Frequency (MHz)				3475.02	3499.98	3525.00	18.5 0.0
50	QPSK	1	1	17.68	17.68	17.49	18.5 0.0
Channel				63311	63311	63311	
Frequency (MHz)				3470.01	3499.98	3529.98	18.5 0.0
40	QPSK	1	1	17.62	17.69	17.44	18.5 0.0
Channel				63300	63300	63300	
Frequency (MHz)				3465.02	3499.98	3534.99	18.5 0.0
30	QPSK	1	1	17.62	17.72	17.48	18.5 0.0
Channel				63311	63311	63311	
Frequency (MHz)				3462.51	3499.98	3537.48	18.5 0.0
25	QPSK	1	1	17.65	17.70	17.47	18.5 0.0
Channel				63300	63300	63300	
Frequency (MHz)				3460.02	3499.98	3540.00	18.5 0.0
20	QPSK	1	1	17.65	17.66	17.54	18.5 0.0
Channel				63300	63300	63300	
Frequency (MHz)				3455.00	3499.98	3542.43	18.5 0.0
15	QPSK	1	1	17.64	17.66	17.48	18.5 0.0
Channel				63334	63333	63332	18.5 0.0
Frequency (MHz)				3455.01	3499.98	3544.98	18.5 0.0
10	QPSK	1	1	17.62	17.71	17.54	18.5 0.0

Part27Q_n77(HPUE)_Ant 8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Turn-up time (ms)	MPR (dB)
Channel				63332	63332	63332		
Frequency (MHz)				3499.98	3499.98	3499.98		
100	PI2 BPSK	1	1	20.53				
100	PI2 BPSK	1	137	20.39			21.5	0.0
100	PI2 BPSK	1	271	20.41				
100	PI2 BPSK	135	0	20.33			21.5	0.0
100	PI2 BPSK	135	69	20.45			21.5	0.0
100	PI2 BPSK	135	135	20.34			21.5	0.0
100	PI2 BPSK	270	0	20.38			21.5	0.0
100	QPSK	1	1	20.62				
100	QPSK	1	137	20.54				
100	QPSK	1	271	20.47			21.5	0.0
100	QPSK	135	0	20.40			21.5	0.0
100	QPSK	135	69	20.55			21.5	0.0
100	QPSK	135	135	20.48			21.5	0.0
100	QPSK	270	0	20.42			21.5	0.0
100	16QAM	1	1	20.54			21.5	0.0
100	64QAM	1	1	20.55			21.5	0.0
100	256QAM	1	1	20.51			21.5	0.0
Channel				63300	63300	63300		MPR
Frequency (MHz)				3495.02	3499.98	3504.99		
90	QPSK	1	1	20.47	20.47	20.43	21.5	0.0
Channel				63300	63300	63300		MPR
Frequency (MHz)				3490.02	3499.98	3510.00		
80	QPSK	1	1	20.43	20.34	20.48	21.5	0.0
Channel				63331	63331	63331		MPR
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	20.47	20.58	20.42	21.5	0.0
Channel				63300	63300	63300		MPR
Frequency (MHz)				3480.02	3499.98	3519.98		
60	QPSK	1	1	20.47	20.48	20.50	21.5	0.0
Channel				63311	63311	63311		MPR
Frequency (MHz)				3475.02	3499.98	3525.00		
50	QPSK	1	1	20.45	20.53	20.44	21.5	0.0
Channel				63311	63311	63311		MPR
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	20.45	20.52	20.42	21.5	0.0
Channel				63300	63300	63300		MPR
Frequency (MHz)				3465.02	3499.98	3534.99		
30	QPSK	1	1	20.52	20.56	20.44	21.5	0.0
Channel				63311	63311	63311		MPR
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	20.48	20.54	20.45	21.5	0.0
Channel				63300	63300	63300		MPR
Frequency (MHz)				3460.02	3499.98	3540.00		
20	QPSK	1	1	20.52	20.56	20.47	21.5	0.0
Channel				63300	63300	63300		MPR
Frequency (MHz)				3455.00	3499.98	3542.43		
15	QPSK	1	1	20.53	20.56	20.48	21.5	0.0
Channel				63334	63333	63333		MPR
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	20.43	20.51	20.50	21.5	0.0

Part270_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	17.65	17.64	17.76			
100	PI2 BPSK	1	137	17.49	17.65	17.68	18.5	0.0	
100	PI2 BPSK	1	271	17.62	17.60	17.71			
100	PI2 BPSK	135	5	17.35	17.63	17.45	18.5	0.0	
100	PI2 BPSK	135	69	17.51	17.69	17.62	18.5	0.0	
100	PI2 BPSK	135	138	17.34	17.61	17.58	18.5	0.0	
100	PI2 BPSK	270	5	17.48	17.55	17.50			
100	QPSK	1	1	17.74	17.50	17.74			
100	QPSK	1	137	17.69	17.76	17.75	18.5	0.0	
100	QPSK	1	271	17.67	17.65	17.75			
100	QPSK	135	5	17.47	17.71	17.57	18.5	0.0	
100	QPSK	135	69	17.59	17.35	17.67	18.5	0.0	
100	QPSK	135	138	17.49	17.74	17.63	18.5	0.0	
100	QPSK	270	5	17.54	17.68	17.55			
100	ISQAM	1	1	17.60	17.65	17.71	18.5	0.0	
100	ISQAM	1	1	17.66	17.77	17.73	18.5	0.0	
100	256QAM	1	1	17.65	17.85	17.68	18.5		
Channel				36968	36968	36232	Turn-up test	MPR	
Frequency (MHz)				3745.00	3840	3834.98			
90	QPSK	1	1	17.59	17.79	17.69	18.5	0.0	
Channel				36934	36968	36506	Turn-up test	MPR	
Frequency (MHz)				3745.01	3840	3835.99			
80	QPSK	1	1	17.69	17.85	17.69	18.5	0.0	
Channel				36900	36968	36300	Turn-up test	MPR	
Frequency (MHz)				3745.00	3840	3834.98			
70	QPSK	1	1	17.64	17.78	17.74	18.5	0.0	
Channel				36868	36968	36332	Turn-up test	MPR	
Frequency (MHz)				3745.02	3840	3834.98			
60	QPSK	1	1	17.66	17.75	17.66	18.5	0.0	
Channel				36834	36968	36366	Turn-up test	MPR	
Frequency (MHz)				3745.01	3840	3835.99			
50	QPSK	1	1	17.66	17.80	17.68	18.5	0.0	
Channel				36800	36968	36400	Turn-up test	MPR	
Frequency (MHz)				3745.00	3840	3834.98			
40	QPSK	1	1	17.67	17.79	17.68	18.5	0.0	
Channel				36768	36968	36432	Turn-up test	MPR	
Frequency (MHz)				3745.02	3840	3834.98			
30	QPSK	1	1	17.61	17.80	17.74	18.5	0.0	
Channel				36730	36968	36405	Turn-up test	MPR	
Frequency (MHz)				3745.01	3840	3835.99			
25	QPSK	1	1	17.68	17.73	17.72	18.5	0.0	
Channel				36700	36968	36466	Turn-up test	MPR	
Frequency (MHz)				3745.04	3840	3834.98			
20	QPSK	1	1	17.68	17.74	17.72	18.5	0.0	
Channel				36678	36968	36432	Turn-up test	MPR	
Frequency (MHz)				3745.03	3840	3834.98			
15	QPSK	1	1	17.68	17.65	17.67	18.5	0.0	
Channel				36650	36968	36505	Turn-up test	MPR	
Frequency (MHz)				3745	3840	3875			
10	QPSK	1	1	17.61	17.61	17.66	18.5	0.0	

Part270_n77(HPUe)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	20.54	20.60	20.63			
100	PI2 BPSK	1	137	20.56	20.60	20.52	21.5	0.0	
100	PI2 BPSK	1	271	20.60	20.58	20.58			
100	PI2 BPSK	135	5	20.52	20.58	20.43	21.5	0.0	
100	PI2 BPSK	135	69	20.57	20.60	20.56	21.5	0.0	
100	PI2 BPSK	135	138	20.54	20.44	20.48	21.5	0.0	
100	PI2 BPSK	270	5	20.40	20.40	20.40			
100	QPSK	1	1	20.70	20.67	20.70			
100	QPSK	1	137	20.68	20.70	20.69	21.5	0.0	
100	QPSK	1	271	20.70	20.70	20.65			
100	QPSK	135	5	20.60	20.62	20.58	21.5	0.0	
100	QPSK	135	69	20.58	20.59	20.54	21.5	0.0	
100	QPSK	135	138	20.59	20.58	20.54	21.5	0.0	
100	QPSK	270	5	20.55	20.60	20.54			
100	ISQAM	1	1	20.64	20.70	20.68	21.5	0.0	
100	ISQAM	1	1	20.60	20.70	20.68	21.5	0.0	
100	256QAM	1	1	20.70	20.70	20.68	21.5	0.0	
Channel				3696.98	3696.98	3692.32	Turn-up test (dBm)	MPR (dB)	
90	QPSK	1	1	20.63	20.70	20.70	21.5	0.0	
Channel				3693.94	3696.98	3690.96	Turn-up test (dBm)	MPR (dB)	
80	QPSK	1	1	20.68	20.73	20.63	21.5	0.0	
Channel				3685	3696.98	3690.96	Turn-up test (dBm)	MPR (dB)	
70	QPSK	1	1	20.69	20.68	20.69	21.5	0.0	
Channel				3686.98	3696.98	3693.92	Turn-up test (dBm)	MPR (dB)	
60	QPSK	1	1	20.60	20.69	20.73	21.5	0.0	
Channel				3683.94	3696.98	3690.96	Turn-up test (dBm)	MPR (dB)	
50	QPSK	1	1	20.63	20.70	20.69	21.5	0.0	
Channel				3680.90	3696.98	3690.96	Turn-up test (dBm)	MPR (dB)	
40	QPSK	1	1	20.70	20.71	20.63	21.5	0.0	
Channel				3676.98	3696.98	3693.92	Turn-up test (dBm)	MPR (dB)	
30	QPSK	1	1	20.64	20.66	20.68	21.5	0.0	
Channel				3672.50	3696.98	3690.96	Turn-up test (dBm)	MPR (dB)	
25	QPSK	1	1	20.70	20.68	20.68	21.5	0.0	
Channel				3673.94	3696.98	3696.96	Turn-up test (dBm)	MPR (dB)	
20	QPSK	1	1	20.63	20.67	20.66	21.5	0.0	
Channel				3671.50	3696.98	3693.92	Turn-up test (dBm)	MPR (dB)	
15	QPSK	1	1	20.67	20.71	20.72	21.5	0.0	
Channel				3670.90	3696.98	3690.96	Turn-up test (dBm)	MPR (dB)	
10	QPSK	1	1	20.69	20.72	20.67	21.5	0.0	

Part27Q_n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63330.0	63330.0				
100	PQ2 BPSK	1	1	17.48	17.48				
100	PQ2 BPSK	1	137	17.59			18.5	0.0	
100	PQ2 BPSK	1	271	17.34					
100	PQ2 BPSK	135	0	17.45			18.5	0.0	
100	PQ2 BPSK	135	69	17.52			18.5	0.0	
100	PQ2 BPSK	135	138	17.40			18.5	0.0	
100	PQ2 BPSK	270	0	17.50					
100	QPSK	1	1	17.75					
100	QPSK	1	137	17.64			18.5	0.0	
100	QPSK	1	271	17.67					
100	QPSK	135	0	17.58			18.5	0.0	
100	QPSK	135	69	17.53			18.5	0.0	
100	QPSK	135	138	17.48			18.5	0.0	
100	QPSK	270	0	17.55					
100	64QAM	1	1	17.65			18.5	0.0	
100	64QAM	1	1	17.63			18.5	0.0	
100	256QAM	1	1	17.62			18.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0				
90	QPSK	1	1	17.49	17.65	17.65	18.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0				
80	QPSK	1	1	17.58	17.65	17.55	18.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0				
70	QPSK	1	1	17.54	17.70	17.67	18.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0				
60	QPSK	1	1	17.48	17.69	17.67	18.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0				
50	QPSK	1	1	17.54	17.62	17.65	18.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0				
40	QPSK	1	1	17.49	17.61	17.65	18.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0				
30	QPSK	1	1	17.53	17.68	17.62	18.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0				
25	QPSK	1	1	17.53	17.61	17.66	18.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0				
20	QPSK	1	1	17.49	17.69	17.65	18.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0				
15	QPSK	1	1	17.54	17.68	17.62	18.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0				
10	QPSK	1	1	17.50	17.69	17.60	18.5	0.0	

Part27Q_n78(HPUe)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63333.02					
100	PQ2 BPSK	1	1	20.47					
100	PQ2 BPSK	1	137	20.37			21.5	0.0	
100	PQ2 BPSK	1	271	20.39					
100	PQ2 BPSK	135	0	20.21			21.5	0.0	
100	PQ2 BPSK	135	69	20.33			21.5	0.0	
100	PQ2 BPSK	135	138	20.16			21.5	0.0	
100	PQ2 BPSK	270	0	20.19					
100	QPSK	1	1	20.27					
100	QPSK	1	137	20.41			21.5	0.0	
100	QPSK	1	271	20.51					
100	QPSK	135	0	20.38			21.5	0.0	
100	QPSK	135	69	20.44			21.5	0.0	
100	QPSK	135	138	20.29			21.5	0.0	
100	QPSK	270	0	20.29					
100	64QAM	1	1	20.48			21.5	0.0	
100	64QAM	1	1	20.46			21.5	0.0	
100	256QAM	1	1	20.48			21.5	0.0	
Channel									
Frequency (MHz)				63300.0	63300.0	63366.6	Tune-up limit	MPR	
90	QPSK	1	1	20.37	20.46	20.46	21.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0	63400.0	Tune-up limit	MPR	
80	QPSK	1	1	20.42	20.48	20.40	21.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0	63432.0	Tune-up limit	MPR	
70	QPSK	1	1	20.38	20.49	20.49	21.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0	63466.6	Tune-up limit	MPR	
60	QPSK	1	1	20.32	20.45	20.45	21.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0	63500.0	Tune-up limit	MPR	
50	QPSK	1	1	20.38	20.46	20.42	21.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0	63532.0	Tune-up limit	MPR	
40	QPSK	1	1	20.37	20.44	20.41	21.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0	63566.6	Tune-up limit	MPR	
30	QPSK	1	1	20.38	20.44	20.45	21.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0	63632.0	Tune-up limit	MPR	
25	QPSK	1	1	20.34	20.43	20.42	21.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0	63744.0	Tune-up limit	MPR	
20	QPSK	1	1	20.35	20.40	20.39	21.5	0.0	
Channel									
Frequency (MHz)				63350.0	63350.0	63866.6	Tune-up limit	MPR	
15	QPSK	1	1	20.42	20.40	20.40	21.5	0.0	
Channel									
Frequency (MHz)				63351.0	63351.0	63932.0	Tune-up limit	MPR	
10	QPSK	1	1	20.59	20.50	20.49	21.5	0.0	

Part27Q_n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				66000.0					
100	PQ2 BPSK	1	1	17.75					
100	PQ2 BPSK	1	137	17.66			18.5	0.0	
100	PQ2 BPSK	1	271	17.67					
100	PQ2 BPSK	135	0	17.57			18.5	0.0	
100	PQ2 BPSK	135	69	17.68			18.5	0.0	
100	PQ2 BPSK	135	138	17.51			18.5	0.0	
100	PQ2 BPSK	270	0	17.50					
100	QPSK	1	1	17.85					
100	QPSK	1	137	17.72			18.5	0.0	
100	QPSK	1	271	17.78					
100	QPSK	135	0	17.62			18.5	0.0	
100	QPSK	135	69	17.75			18.5	0.0	
100	QPSK	135	138	17.64			18.5	0.0	
100	QPSK	270	0	17.63					
100	64QAM	1	1	17.76			18.5	0.0	
100	64QAM	1	1	17.71			18.5	0.0	
100	256QAM	1	1	17.76			18.5	0.0	
Channel									
Frequency (MHz)				66060.0	66060.0	Tune-up limit MPR			
90	QPSK	1	1	17.62	17.78	17.83	18.5	0.0	
Channel									
Frequency (MHz)				66061.0	66061.0	Tune-up limit MPR			
80	QPSK	1	1	17.63	17.71	17.66	18.5	0.0	
Channel									
Frequency (MHz)				66060.0	66060.0	Tune-up limit MPR			
70	QPSK	1	1	17.64	17.73	17.68	18.5	0.0	
Channel									
Frequency (MHz)				66061.0	66061.0	Tune-up limit MPR			
60	QPSK	1	1	17.62	17.71	17.69	18.5	0.0	
Channel									
Frequency (MHz)				66060.0	66060.0	Tune-up limit MPR			
50	QPSK	1	1	17.60	17.72	17.68	18.5	0.0	
Channel									
Frequency (MHz)				66061.0	66061.0	Tune-up limit MPR			
40	QPSK	1	1	17.54	17.74	17.70	18.5	0.0	
Channel									
Frequency (MHz)				66060.0	66060.0	Tune-up limit MPR			
30	QPSK	1	1	17.52	17.77	17.68	18.5	0.0	
Channel									
Frequency (MHz)				66061.0	66061.0	Tune-up limit MPR			
25	QPSK	1	1	17.48	17.74	17.67	18.5	0.0	
Channel									
Frequency (MHz)				66060.0	66060.0	Tune-up limit MPR			
20	QPSK	1	1	17.58	17.73	17.69	18.5	0.0	
Channel									
Frequency (MHz)				66061.0	66061.0	Tune-up limit MPR			
15	QPSK	1	1	17.53	17.73	17.71	18.5	0.0	
Channel									
Frequency (MHz)				66060.0	66060.0	Tune-up limit MPR			
10	QPSK	1	1	17.52	17.80	17.63	18.5	0.0	

Part27O_n78(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3745.02	3750	3754.98	21.5	0.0	
100	PI2 BPSK	1	1	20.77					
100	PI2 BPSK	1	137	20.63			21.5	0.0	
100	PI2 BPSK	1	271	20.58					
100	PI2 BPSK	135	0	20.48			21.5	0.0	
100	PI2 BPSK	135	69	20.64			21.5	0.0	
100	PI2 BPSK	135	138	20.48			21.5	0.0	
100	PI2 BPSK	270	0	20.51					
100	QPSK	1	1	20.64					
100	QPSK	1	137	20.71			21.5	0.0	
100	QPSK	1	271	20.71					
100	QPSK	135	0	20.60			21.5	0.0	
100	QPSK	135	69	20.59			21.5	0.0	
100	QPSK	135	138	20.61			21.5	0.0	
100	QPSK	270	0	20.61					
100	QAM	1	1	20.72			21.5	0.0	
100	QAM	1	1	20.72			21.5	0.0	
100	SSBQAM	1	1	20.73			21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3745.02	3750	3754.98	21.5	0.0	
90	QPSK	1	1	20.57	20.79	20.67	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3740.01	3750	3759.99	21.5	0.0	
80	QPSK	1	1	20.57	20.79	20.68	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3735	3750	3765	21.5	0.0	
70	QPSK	1	1	20.57	20.79	20.66	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3730.02	3750	3769.98	21.5	0.0	
60	QPSK	1	1	20.56	20.71	20.51	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3725.01	3750	3774.99	21.5	0.0	
50	QPSK	1	1	20.57	20.79	20.60	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3720	3750	3780	21.5	0.0	
40	QPSK	1	1	20.58	20.71	20.55	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3715.02	3750	3784.98	21.5	0.0	
30	QPSK	1	1	20.52	20.75	20.56	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3712.5	3750	3787.5	21.5	0.0	
25	QPSK	1	1	20.52	20.73	20.61	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3710.51	3750	3789.49	21.5	0.0	
20	QPSK	1	1	20.60	20.70	20.67	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3707.52	3750	3792.48	21.5	0.0	
15	QPSK	1	1	20.52	20.72	20.67	21.5	0.0	
Channel				84868	85000	85132	20.57	0.0	
Frequency (MHz)				3705	3750	3795	21.5	0.0	
10	QPSK	1	1	20.58	20.73	20.60	21.5	0.0	

Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3499.98			
100	PQ2 BPSK	1	1	15.15			
100	PQ2 BPSK	1	137	15.08			
100	PQ2 BPSK	1	271	14.97			
100	PQ2 BPSK	135	0	14.96			16.0 0.0
100	PQ2 BPSK	135	69	14.95			16.0 0.0
100	PQ2 BPSK	135	135	14.89			16.0 0.0
100	PQ2 BPSK	270	0	14.90			16.0 0.0
100	QPSK	1	1	15.25			
100	QPSK	1	137	15.16			
100	QPSK	1	271	15.12			16.0 0.0
100	QPSK	135	0	15.05			16.0 0.0
100	QPSK	135	69	15.00			16.0 0.0
100	QPSK	135	135	14.99			16.0 0.0
100	QPSK	270	0	15.01			16.0 0.0
100	16QAM	1	1	15.19			16.0 0.0
100	64QAM	1	1	15.19			16.0 0.0
100	256QAM	1	1	15.10			16.0 0.0
Channel				633332			
Frequency (MHz)				3495			
90	QPSK	1	1	15.04	15.20	15.00	16.0 0.0
Channel				633332			
Frequency (MHz)				3490.02			
80	QPSK	1	1	15.03	15.17	15.04	16.0 0.0
Channel				633332			
Frequency (MHz)				3485.01			
70	QPSK	1	1	14.98	15.18	14.97	16.0 0.0
Channel				633332			
Frequency (MHz)				3480			
60	QPSK	1	1	14.98	15.13	15.00	16.0 0.0
Channel				633332			
Frequency (MHz)				3475.02			
50	QPSK	1	1	15.03	15.15	15.07	16.0 0.0
Channel				633332			
Frequency (MHz)				3470.01			
40	QPSK	1	1	15.00	15.14	14.99	16.0 0.0
Channel				633332			
Frequency (MHz)				3465			
30	QPSK	1	1	14.95	15.13	14.98	16.0 0.0
Channel				633332			
Frequency (MHz)				3460.01			
25	QPSK	1	1	15.03	15.20	15.00	16.0 0.0
Channel				633332			
Frequency (MHz)				3455.02			
20	QPSK	1	1	15.02	15.17	15.04	16.0 0.0
Channel				633332			
Frequency (MHz)				3450.01			
15	QPSK	1	1	15.02	15.19	15.05	16.0 0.0
Channel				633332			
Frequency (MHz)				3445.01			
10	QPSK	1	1	14.95	15.14	15.01	16.0 0.0

Part27Q_n78(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3499.98			
100	PQ2 BPSK	1	1	18.17			
100	PQ2 BPSK	1	137	18.09			19.0 0.0
100	PQ2 BPSK	1	271	18.01			19.0 0.0
100	PQ2 BPSK	135	0	17.99			19.0 0.0
100	PQ2 BPSK	135	69	18.07			19.0 0.0
100	PQ2 BPSK	135	135	18.01			19.0 0.0
100	PQ2 BPSK	270	0	18.08			19.0 0.0
100	QPSK	1	1	18.27			
100	QPSK	1	137	18.17			19.0 0.0
100	QPSK	1	271	18.14			19.0 0.0
100	QPSK	135	0	18.09			19.0 0.0
100	QPSK	135	69	18.20			19.0 0.0
100	QPSK	135	135	18.09			19.0 0.0
100	QPSK	270	0	18.12			19.0 0.0
100	16QAM	1	1	18.21			19.0 0.0
100	64QAM	1	1	18.22			19.0 0.0
100	256QAM	1	1	18.14			19.0 0.0
Channel				633332			
Frequency (MHz)				3495			
90	QPSK	1	1	17.99	18.15	18.04	19.0 0.0
Channel				633332			
Frequency (MHz)				3490.02			
80	QPSK	1	1	18.00	18.21	18.00	19.0 0.0
Channel				633332			
Frequency (MHz)				3485.01			
70	QPSK	1	1	18.00	18.13	18.02	19.0 0.0
Channel				633332			
Frequency (MHz)				3480			
60	QPSK	1	1	17.98	18.16	18.06	19.0 0.0
Channel				633332			
Frequency (MHz)				3475.02			
50	QPSK	1	1	17.96	18.15	18.02	19.0 0.0
Channel				633332			
Frequency (MHz)				3470.01			
40	QPSK	1	1	17.98	18.15	18.02	19.0 0.0
Channel				633332			
Frequency (MHz)				3465			
30	QPSK	1	1	18.01	18.19	18.01	19.0 0.0
Channel				633332			
Frequency (MHz)				3460.01			
25	QPSK	1	1	18.01	18.13	18.01	19.0 0.0
Channel				633332			
Frequency (MHz)				3455.02			
20	QPSK	1	1	18.06	18.14	17.99	19.0 0.0
Channel				633332			
Frequency (MHz)				3450.01			
15	QPSK	1	1	17.97	18.21	18.02	19.0 0.0
Channel				633332			
Frequency (MHz)				3445.01			
10	QPSK	1	1	18.03	18.14	17.95	19.0 0.0

Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power GHz / Freq.	Power MHz Ch. / Freq.	Time-up limit	MPR (dB)
Channel				660000			
Frequency (MHz)				3495			
100	PQ2 BPSK	1	1	15.15			
100	PQ2 BPSK	1	137	15.13		16.0	0.0
100	PQ2 BPSK	1	271	15.08			
100	PQ2 BPSK	135	0	14.92		16.0	0.0
100	PQ2 BPSK	135	69	15.11		16.0	0.0
100	PQ2 BPSK	135	136	14.94		16.0	0.0
100	PQ2 BPSK	270	0	15.03		16.0	0.0
100	QPSK	1	1	15.25			
100	QPSK	1	137	15.23		16.0	0.0
100	QPSK	1	271	15.16			
100	QPSK	135	0	15.04		16.0	0.0
100	QPSK	135	69	15.16		16.0	0.0
100	QPSK	135	136	15.01		16.0	0.0
100	QPSK	270	0	15.11		16.0	0.0
100	16QAM	1	1	15.21		16.0	0.0
100	64QAM	1	1	15.15		16.0	0.0
100	256QAM	1	1	15.18		16.0	0.0
Channel				660000			
Frequency (MHz)				3495.92			
90	QPSK	1	1	15.12	15.18	15.09	16.0
Channel				660000			
Frequency (MHz)				3490.91			
80	QPSK	1	1	15.15	15.22	15.09	16.0
Channel				660000			
Frequency (MHz)				3485.91			
70	QPSK	1	1	15.12	15.15	15.09	16.0
Channel				660000			
Frequency (MHz)				3480.92			
60	QPSK	1	1	15.17	15.20	15.07	16.0
Channel				660000			
Frequency (MHz)				3475.91			
50	QPSK	1	1	15.10	15.24	15.02	16.0
Channel				660000			
Frequency (MHz)				3470.92			
40	QPSK	1	1	15.12	15.23	15.11	16.0
Channel				660000			
Frequency (MHz)				3465.92			
30	QPSK	1	1	15.09	15.16	15.02	16.0
Channel				660000			
Frequency (MHz)				3460.91			
25	QPSK	1	1	15.09	15.17	15.08	16.0
Channel				660000			
Frequency (MHz)				3455.92			
20	QPSK	1	1	15.10	15.24	15.09	16.0
Channel				660000			
Frequency (MHz)				3450.91			
15	QPSK	1	1	15.11	15.18	15.06	16.0
Channel				660000			
Frequency (MHz)				3445.92			
10	QPSK	1	1	15.11	15.14	15.03	16.0



Part27O_n78(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				84868	85000	85132			
Frequency (MHz)				17.82	17.82	17.82			
100	RUZ BPSK	1	1	17.82	17.82	17.82	19.0		0.0
100	RUZ BPSK	1	137	17.81	17.81	17.81			
100	RUZ BPSK	1	271	17.85	17.85	17.85	19.0	0.0	
100	RUZ BPSK	135	0	17.79	17.79	17.79			
100	RUZ BPSK	135	69	17.81	17.81	17.81	19.0	0.0	
100	RUZ BPSK	135	138	17.84	17.84	17.84			
100	RUZ BPSK	270	0	17.79	17.79	17.79	19.0	0.0	
100	QPSK	1	1	18.07	18.07	18.07			
100	QPSK	1	137	17.96	17.96	17.96	19.0	0.0	
100	QPSK	1	271	17.94	17.94	17.94			
100	QPSK	135	0	17.91	17.91	17.91	19.0	0.0	
100	QPSK	135	69	18.02	18.02	18.02			
100	QPSK	135	138	17.95	17.95	17.95	19.0	0.0	
100	QPSK	270	0	17.99	17.99	17.99			
100	SSBQAM	1	1	17.84	17.84	17.84	19.0	0.0	
100	SSBQAM	1	1	18.02	18.02	18.02			
100	256QAM	1	1	17.82	17.82	17.82	19.0	0.0	
Channel				84868	85000	85132			
Frequency (MHz)				3745.02	3750	3754.98	Tune-up Intvl		MPR
90	QPSK	1	1	17.82	17.83	17.81	19.0		0.0
Channel				84834	85000	85066			
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Intvl		MPR
80	QPSK	1	1	17.82	18.01	17.85	19.0		0.0
Channel				84800	85000	85100			
Frequency (MHz)				3735	3750	3765	Tune-up Intvl		MPR
70	QPSK	1	1	17.83	17.86	17.89	19.0		0.0
Channel				84816	85000	85132			
Frequency (MHz)				3730.02	3750	3769.98	Tune-up Intvl		MPR
60	QPSK	1	1	17.82	17.85	17.84	19.0		0.0
Channel				84834	85000	85166			
Frequency (MHz)				3725.01	3750	3774.99	Tune-up Intvl		MPR
50	QPSK	1	1	17.91	18.01	17.91	19.0		0.0
Channel				84800	85000	85200			
Frequency (MHz)				3720	3750	3780	Tune-up Intvl		MPR
40	QPSK	1	1	17.82	17.89	17.92	19.0		0.0
Channel				84768	85000	85232			
Frequency (MHz)				3715.02	3750	3784.98	Tune-up Intvl		MPR
30	QPSK	1	1	17.84	17.89	17.90	19.0		0.0
Channel				84750	85000	85250			
Frequency (MHz)				3712.5	3750	3787.5	Tune-up Intvl		MPR
25	QPSK	1	1	17.80	17.88	17.91	19.0		0.0
Channel				84734	85000	85266			
Frequency (MHz)				3710.51	3750	3789.50	Tune-up Intvl		MPR
20	QPSK	1	1	17.77	17.83	17.87	19.0		0.0
Channel				84716	85000	85284			
Frequency (MHz)				3707.52	3750	3792.48	Tune-up Intvl		MPR
15	QPSK	1	1	17.77	17.87	17.92	19.0		0.0
Channel				84700	85000	85300			
Frequency (MHz)				3705	3750	3795	Tune-up Intvl		MPR
10	QPSK	1	1	17.84	18.02	17.90	19.0		0.0
Channel				84700	85000	85300			

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63332					
100	PQ2 BPSK	1	1	12.96	12.96				
100	PQ2 BPSK	1	137	12.89			14.0	0.0	
100	PQ2 BPSK	1	271	12.87					
100	PQ2 BPSK	135	5	12.80			14.0	0.0	
100	PQ2 BPSK	135	69	12.89			14.0	0.0	
100	PQ2 BPSK	135	139	12.84			14.0	0.0	
100	PQ2 BPSK	270	5	12.72					
100	QPSK	1	1	13.02					
100	QPSK	1	137	13.01			14.0	0.0	
100	QPSK	1	271	12.98					
100	QPSK	135	5	12.85			14.0	0.0	
100	QPSK	135	69	12.96			14.0	0.0	
100	QPSK	135	139	12.93			14.0	0.0	
100	QPSK	270	5	12.80					
100	64QAM	1	1	12.99			14.0	0.0	
100	64QAM	1	1	12.96			14.0	0.0	
100	256QAM	1	1	12.94			14.0	0.0	
Channel									
Frequency (MHz)				63330					
90	QPSK	1	1	12.71	13.00	12.78	14.0	0.0	
Channel									
Frequency (MHz)				63332					
80	QPSK	1	1	12.69	12.98	12.86	14.0	0.0	
Channel									
Frequency (MHz)				63332					
70	QPSK	1	1	12.73	12.91	12.79	14.0	0.0	
Channel									
Frequency (MHz)				63332					
60	QPSK	1	1	12.66	12.95	12.83	14.0	0.0	
Channel									
Frequency (MHz)				63332					
50	QPSK	1	1	12.68	12.96	12.81	14.0	0.0	
Channel									
Frequency (MHz)				63332					
40	QPSK	1	1	12.70	12.97	12.77	14.0	0.0	
Channel									
Frequency (MHz)				63330					
30	QPSK	1	1	12.74	12.98	12.83	14.0	0.0	
Channel									
Frequency (MHz)				63332					
25	QPSK	1	1	12.73	12.99	12.77	14.0	0.0	
Channel									
Frequency (MHz)				63332					
20	QPSK	1	1	12.70	12.99	12.82	14.0	0.0	
Channel									
Frequency (MHz)				63350					
15	QPSK	1	1	12.75	13.00	12.84	14.0	0.0	
Channel									
Frequency (MHz)				63352					
10	QPSK	1	1	12.76	12.97	12.82	14.0	0.0	

Part27Q_n78(HPUe)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63332					
100	PQ2 BPSK	1	1	15.91					
100	PQ2 BPSK	1	137	15.79			17.0	0.0	
100	PQ2 BPSK	1	271	15.82					
100	PQ2 BPSK	135	5	15.80			17.0	0.0	
100	PQ2 BPSK	135	69	15.81			17.0	0.0	
100	PQ2 BPSK	135	139	15.71			17.0	0.0	
100	PQ2 BPSK	270	5	15.59					
100	QPSK	1	1	15.04					
100	QPSK	1	137	15.98			17.0	0.0	
100	QPSK	1	271	15.92					
100	QPSK	135	5	15.98			17.0	0.0	
100	QPSK	135	69	15.95			17.0	0.0	
100	QPSK	135	139	15.85			17.0	0.0	
100	QPSK	270	5	15.52					
100	64QAM	1	1	15.90			17.0	0.0	
100	64QAM	1	1	15.99			17.0	0.0	
100	256QAM	1	1	15.90			17.0	0.0	
Channel									
Frequency (MHz)				63300		63368		Tune-up limit MPR	
90	QPSK	1	1	15.74	15.97	15.91	17.0	0.0	
Channel									
Frequency (MHz)				63368		63300		Tune-up limit MPR	
80	QPSK	1	1	15.79	15.96	15.88	17.0	0.0	
Channel									
Frequency (MHz)				63300		63368		Tune-up limit MPR	
70	QPSK	1	1	15.81	15.98	15.86	17.0	0.0	
Channel									
Frequency (MHz)				63300		63368		Tune-up limit MPR	
60	QPSK	1	1	15.76	15.94	15.83	17.0	0.0	
Channel									
Frequency (MHz)				63368		63300		Tune-up limit MPR	
50	QPSK	1	1	15.83	15.98	15.89	17.0	0.0	
Channel									
Frequency (MHz)				63368		63300		Tune-up limit MPR	
40	QPSK	1	1	15.79	15.99	15.87	17.0	0.0	
Channel									
Frequency (MHz)				63300		63368		Tune-up limit MPR	
30	QPSK	1	1	15.79	15.96	15.86	17.0	0.0	
Channel									
Frequency (MHz)				63368		63300		Tune-up limit MPR	
25	QPSK	1	1	15.74	15.93	15.86	17.0	0.0	
Channel									
Frequency (MHz)				63300		63368		Tune-up limit MPR	
20	QPSK	1	1	15.78	15.94	15.86	17.0	0.0	
Channel									
Frequency (MHz)				63368		63300		Tune-up limit MPR	
15	QPSK	1	1	15.72	15.91	15.87	17.0	0.0	
Channel									
Frequency (MHz)				63368		63300		Tune-up limit MPR	
10	QPSK	1	1	15.73	15.90	15.85	17.0	0.0	

Part27O_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				66000					
100	PQ2 BPSK	1	1	13.19					
100	PQ2 BPSK	1	137	13.14			14.0	0.0	
100	PQ2 BPSK	1	271	12.99					
100	PQ2 BPSK	135	5	12.87			14.0	0.0	
100	PQ2 BPSK	135	69	13.09			14.0	0.0	
100	PQ2 BPSK	135	139	12.96			14.0	0.0	
100	PQ2 BPSK	270	5	13.05					
100	QPSK	1	1	13.26					
100	QPSK	1	137	13.26			14.0	0.0	
100	QPSK	1	271	13.11					
100	QPSK	135	5	13.02			14.0	0.0	
100	QPSK	135	69	13.06			14.0	0.0	
100	QPSK	135	139	13.06			14.0	0.0	
100	QPSK	270	5	13.11					
100	16QAM	1	1	13.19			14.0	0.0	
100	64QAM	1	1	13.14			14.0	0.0	
100	256QAM	1	1	13.21			14.0	0.0	
Channel									
Frequency (MHz)				66000					
90	QPSK	1	1	12.89	13.12	12.88	14.0	0.0	
Channel									
Frequency (MHz)				66000					
80	QPSK	1	1	12.94	13.19	12.90	14.0	0.0	
Channel									
Frequency (MHz)				66000					
70	QPSK	1	1	12.96	13.16	12.94	14.0	0.0	
Channel									
Frequency (MHz)				66000					
60	QPSK	1	1	12.90	13.13	12.92	14.0	0.0	
Channel									
Frequency (MHz)				66000					
50	QPSK	1	1	12.98	13.19	12.96	14.0	0.0	
Channel									
Frequency (MHz)				66000					
40	QPSK	1	1	12.91	13.21	12.90	14.0	0.0	
Channel									
Frequency (MHz)				66000					
30	QPSK	1	1	12.90	13.19	12.90	14.0	0.0	
Channel									
Frequency (MHz)				66000					
25	QPSK	1	1	12.91	13.14	12.91	14.0	0.0	
Channel									
Frequency (MHz)				66000					
20	QPSK	1	1	12.90	13.15	12.90	14.0	0.0	
Channel									
Frequency (MHz)				66000					
15	QPSK	1	1	12.98	13.21	12.94	14.0	0.0	
Channel									
Frequency (MHz)				66000					
10	QPSK	1	1	12.96	13.12	12.97	14.0	0.0	

Part27O_n78(HPUE)_Ant 6											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Intvl (dBm)	MPR (dB)			
Channel				84868	85000	85132					
Frequency (MHz)				16.02	16.02	16.02					
100	F3/2 BPSK	1	1		16.02		17.0	0.0			
100	F3/2 BPSK	1	137		15.99						
100	F3/2 BPSK	1	271		15.95						
100	F3/2 BPSK	135	0		15.77		17.0	0.0			
100	F3/2 BPSK	135	69		15.98		17.0	0.0			
100	F3/2 BPSK	135	138		15.73		17.0	0.0			
100	F3/2 BPSK	270	0		15.72						
100	QPSK	1	1		16.00		17.0	0.0			
100	QPSK	1	137		16.04						
100	QPSK	1	271		15.99						
100	QPSK	135	0		15.98		17.0	0.0			
100	QPSK	135	69		15.94		17.0	0.0			
100	QPSK	135	138		15.84		17.0	0.0			
100	QPSK	270	0		15.87		17.0	0.0			
100	BQAM	1	1		16.00		17.0	0.0			
100	BQAM	1	1		16.01		17.0	0.0			
100	BQAM	1	1		16.04		17.0	0.0			
Channel				84868	85000	85132					
Frequency (MHz)				3746.02	3750	3754.98					
90	QPSK	1	1	15.76	16.03	15.80	17.0	0.0			
Channel				84868	85000	85132					
Frequency (MHz)				3741.01	3750	3759.99					
80	QPSK	1	1	15.77	16.01	15.74	17.0	0.0			
Channel				84868	85000	85132					
Frequency (MHz)				3736	3750	3765					
70	QPSK	1	1	15.85	15.98	15.81	17.0	0.0			
Channel				84868	85000	85132					
Frequency (MHz)				3731.02	3750	3760.98					
60	QPSK	1	1	15.79	15.99	15.83	17.0	0.0			
Channel				84868	85000	85132					
Frequency (MHz)				3726.01	3750	3774.99					
50	QPSK	1	1	15.75	16.01	15.82	17.0	0.0			
Channel				84868	85000	85132					
Frequency (MHz)				3721	3750	3780					
40	QPSK	1	1	15.83	15.97	15.83	17.0	0.0			
Channel				84868	85000	85132					
Frequency (MHz)				3716.02	3750	3764.98					
30	QPSK	1	1	15.85	15.96	15.76	17.0	0.0			
Channel				84868	85000	85132					
Frequency (MHz)				3713.5	3750	3787.5					
25	QPSK	1	1	15.84	16.04	15.84	17.0	0.0			
Channel				84734	85000	85266					
Frequency (MHz)				3711.51	3750	3789.50					
20	QPSK	1	1	15.72	15.99	15.87	17.0	0.0			
Channel				84768	85000	85232					
Frequency (MHz)				3708.52	3750	3792.48					
15	QPSK	1	1	15.72	15.88	15.84	17.0	0.0			
Channel				84700	85000	85300					
Frequency (MHz)				3705	3750	3795					
10	QPSK	1	1	15.61	16.01	15.80	17.0	0.0			



Part27Q_n78_Ant 8						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel						
Frequency (MHz)						
100	PQ2 BPSK	1	1	17.62	17.62	
100	PQ2 BPSK	1	137	17.56		18.5
100	PQ2 BPSK	1	271	17.50		0.0
100	PQ2 BPSK	135	5	17.44		18.5
100	PQ2 BPSK	135	69	17.40		18.5
100	PQ2 BPSK	135	138	17.33		18.5
100	PQ2 BPSK	270	0	17.29		0.0
100	QPSK	1	1	17.74		
100	QPSK	1	137	17.63		18.5
100	QPSK	1	271	17.64		0.0
100	QPSK	135	5	17.53		18.5
100	QPSK	135	69	17.50		18.5
100	QPSK	135	138	17.47		18.5
100	QPSK	270	0	17.44		0.0
100	64QAM	1	1	17.67		18.5
100	64QAM	1	1	17.69		18.5
100	256QAM	1	1	17.86		18.5
Channel				633000	633352	633696
Frequency (MHz)				17.47	17.48	17.49
90	QPSK	1	1	17.47	17.63	17.45
Channel				633696	633932	634300
Frequency (MHz)				17.46	17.47	17.48
80	QPSK	1	1	17.41	17.59	17.50
Channel				634300	634532	634932
Frequency (MHz)				17.40	17.41	17.42
70	QPSK	1	1	17.38	17.61	17.46
Channel				635000	635232	634666
Frequency (MHz)				17.38	17.39	17.40
60	QPSK	1	1	17.41	17.69	17.47
Channel				634666	634900	635000
Frequency (MHz)				17.40	17.41	17.42
50	QPSK	1	1	17.47	17.63	17.47
Channel				635352	635582	635932
Frequency (MHz)				17.46	17.47	17.48
40	QPSK	1	1	17.46	17.67	17.53
Channel				635932	636166	636666
Frequency (MHz)				17.46	17.47	17.48
30	QPSK	1	1	17.44	17.69	17.46
Channel				636666	636900	637400
Frequency (MHz)				17.44	17.45	17.46
25	QPSK	1	1	17.48	17.59	17.44
Channel				636900	637132	638000
Frequency (MHz)				17.48	17.49	17.50
20	QPSK	1	1	17.42	17.65	17.52
Channel				638000	638232	638866
Frequency (MHz)				17.42	17.43	17.44
15	QPSK	1	1	17.44	17.62	17.50
Channel				638866	639100	639666
Frequency (MHz)				17.44	17.45	17.46
10	QPSK	1	1	17.45	17.66	17.47

Part27Q_n78(HPUe)_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	20.46	20.46		
100	PQ2 BPSK	1	137	20.39		21.5	0.0
100	PQ2 BPSK	1	271	20.47			
100	PQ2 BPSK	135	5	20.38		21.5	0.0
100	PQ2 BPSK	135	69	20.40		21.5	0.0
100	PQ2 BPSK	135	138	20.34		21.5	0.0
100	PQ2 BPSK	270	0	20.35			
100	QPSK	1	1	20.01			
100	QPSK	1	137	20.46		21.5	0.0
100	QPSK	1	271	20.55			
100	QPSK	135	5	20.46		21.5	0.0
100	QPSK	135	69	20.55		21.5	0.0
100	QPSK	135	138	20.46		21.5	0.0
100	QPSK	270	0	20.41			
100	64QAM	1	1	20.53		21.5	0.0
100	64QAM	1	1	20.51		21.5	0.0
100	256QAM	1	1	20.54		21.5	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.32	20.55	20.34	21.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.30	20.50	20.31	21.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	20.34	20.52	20.31	21.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	20.35	20.47	20.34	21.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.33	20.53	20.30	21.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.33	20.46	20.37	21.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.37	20.53	20.30	21.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	20.36	20.49	20.38	21.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.37	20.45	20.37	21.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.39	20.52	20.39	21.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.52	20.50	20.30	21.5

Part27O_n78_Ant 8						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel						
Frequency (MHz)						
100	PQ2 BPSK	1	1	17.80		
100	PQ2 BPSK	1	137	17.61		18.5
100	PQ2 BPSK	1	271	17.74		0.0
100	PQ2 BPSK	135	5	17.46		18.5
100	PQ2 BPSK	135	69	17.58		18.5
100	PQ2 BPSK	135	138	17.51		18.5
100	PQ2 BPSK	270	0	17.40		0.0
100	QPSK	1	1	17.85		
100	QPSK	1	137	17.74		18.5
100	QPSK	1	271	17.80		0.0
100	QPSK	135	5	17.60		18.5
100	QPSK	135	69	17.75		18.5
100	QPSK	135	138	17.71		18.5
100	QPSK	270	0	17.61		0.0
100	64QAM	1	1	17.79		18.5
100	64QAM	1	1	17.72		18.5
100	256QAM	1	1	17.76		18.5
Channel						
Frequency (MHz)						
90	QPSK	1	1	17.65	17.77	17.57
Channel						
Frequency (MHz)						
80	QPSK	1	1	17.67	17.74	17.62
Channel						
Frequency (MHz)						
70	QPSK	1	1	17.69	17.79	17.64
Channel						
Frequency (MHz)						
60	QPSK	1	1	17.69	17.80	17.64
Channel						
Frequency (MHz)						
50	QPSK	1	1	17.62	17.80	17.67
Channel						
Frequency (MHz)						
40	QPSK	1	1	17.67	17.73	17.69
Channel						
Frequency (MHz)						
30	QPSK	1	1	17.67	17.73	17.67
Channel						
Frequency (MHz)						
25	QPSK	1	1	17.71	17.72	17.67
Channel						
Frequency (MHz)						
20	QPSK	1	1	17.70	17.75	17.68
Channel						
Frequency (MHz)						
15	QPSK	1	1	17.65	17.76	17.65
Channel						
Frequency (MHz)						
10	QPSK	1	1	17.64	17.76	17.65



Part27O_n78(HPUE)_Ant 8										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				660000						
Frequency (MHz)				3750						
100	PQ2 BPSK	1	1	20.04						
100	PQ2 BPSK	1	137		20.55		21.5			
100	PQ2 BPSK	1	271		20.54					
100	PQ2 BPSK	135	0		20.37		21.5			0.0
100	PQ2 BPSK	135	69		20.42		21.5			0.0
100	PQ2 BPSK	135	138		20.30		21.5			0.0
100	PQ2 BPSK	270	0		20.26					
100	QPSK	1	1	20.03			21.5			0.0
100	QPSK	1	137		20.60					
100	QPSK	1	271		20.59					
100	QPSK	135	0		20.44		21.5			0.0
100	QPSK	135	69		20.50		21.5			0.0
100	QPSK	135	138		20.42		21.5			0.0
100	QPSK	270	0		20.41					
100	16QAM	1	1		20.57		21.5			0.0
100	64QAM	1	1		20.54		21.5			0.0
100	256QAM	1	1		20.55		21.5			0.0
Channel				546868	550000	552312	Turn-up limit			
Frequency (MHz)				3745.02	3750	3754.98	(dBm)			
90	QPSK	1	1	20.43	20.83	20.50	21.5	0.0		
Channel				545324	550000	550668	Turn-up limit			
Frequency (MHz)				3740.01	3750	3759.99	(dBm)			
80	QPSK	1	1	20.35	20.60	20.54	21.5	0.0		
Channel				545000	550000	551000	Turn-up limit			
Frequency (MHz)				3735	3750	3765	(dBm)			
70	QPSK	1	1	20.36	20.57	20.52	21.5	0.0		
Channel				544688	550000	551332	Turn-up limit			
Frequency (MHz)				3730.02	3750	3769.98	(dBm)			
60	QPSK	1	1	20.37	20.55	20.44	21.5	0.0		
Channel				544324	550000	551688	Turn-up limit			
Frequency (MHz)				3725.01	3750	3774.99	(dBm)			
50	QPSK	1	1	20.34	20.54	20.49	21.5	0.0		
Channel				544000	550000	552000	Turn-up limit			
Frequency (MHz)				3720	3750	3780	(dBm)			
40	QPSK	1	1	20.34	20.63	20.47	21.5	0.0		
Channel				543688	550000	552332	Turn-up limit			
Frequency (MHz)				3715.02	3750	3784.98	(dBm)			
30	QPSK	1	1	20.41	20.60	20.53	21.5	0.0		
Channel				543360	550000	552560	Turn-up limit			
Frequency (MHz)				3710.01	3750	3787.5	(dBm)			
25	QPSK	1	1	20.38	20.61	20.46	21.5	0.0		
Channel				543048	550000	552696	Turn-up limit			
Frequency (MHz)				3710.01	3750	3789.99	(dBm)			
20	QPSK	1	1	20.36	20.54	20.45	21.5	0.0		
Channel				542736	550000	552832	Turn-up limit			
Frequency (MHz)				3707.52	3750	3792.48	(dBm)			
15	QPSK	1	1	20.41	20.61	20.47	21.5	0.0		
Channel				542400	550000	553008	Turn-up limit			
Frequency (MHz)				3705	3750	3795	(dBm)			
10	QPSK	1	1	20.40	20.64	20.54	21.5	0.0		

Reduced Power Mode for DSH12

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	Plz BPSK	1	1	22.88	22.95	22.91			
40	Plz BPSK	1	108	22.87	22.90	22.82			
40	Plz BPSK	1	214	22.76	22.88	22.77	23.5	0.5	
40	Plz BPSK	108	0	22.41	22.51	22.43			
40	Plz BPSK	108	54	22.81	22.86	22.84			
40	Plz BPSK	108	108	22.34	22.48	22.47			
40	Plz BPSK	216	0	22.37	22.44	22.34	24.0	0.0	
40	QPSK	1	1	22.59	23.00	22.91			
40	QPSK	1	108	22.83	22.90	22.89		24.0	
40	QPSK	1	214	22.88	22.95	22.82			
40	QPSK	108	0	21.94	22.06	21.94		23.0	
40	QPSK	108	54	22.91	22.94	22.81			
40	QPSK	108	108	21.86	22.01	21.93			
40	QPSK	216	0	21.88	21.98	21.89	23.0	1.0	
40	ISAM	1	1	21.92	22.00	21.87			
40	ISAM	1	1	20.50	20.56	20.55		21.5	
40	ISAM	1	1	18.48	18.50	18.39			
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)	
35	QPSK	1	1	22.84	22.87	22.76	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	(dBm)	(dB)	
30	QPSK	1	1	22.85	22.89	22.81	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	22.85	22.88	22.80	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	22.89	22.94	22.84	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1892.5	(dBm)	(dB)	
15	QPSK	1	1	22.85	22.85	22.83	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	22.86	22.86	22.78	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	22.89	22.90	22.86	24.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506000	507000	510000	23.0	0.0	
Frequency (MHz)				2520	2535	2560			
40	Plz BPSK	1	1	22.26	22.30	22.18			
40	Plz BPSK	1	108	22.19	22.27	22.21			
40	Plz BPSK	1	214	22.24	22.26	22.26	23.0	0.0	
40	Plz BPSK	108	0	22.25	22.26	22.27			
40	Plz BPSK	108	54	22.20	22.20	22.14			
40	Plz BPSK	108	108	22.19	22.21	22.20			
40	Plz BPSK	216	0	22.31	22.31	22.17	23.0	0.0	
40	QPSK	1	1	22.33	22.35	22.26			
40	QPSK	1	108	22.20	22.21	22.18		23.0	
40	QPSK	1	214	22.29	22.21	22.13			
40	QPSK	108	0	22.25	22.30	22.22		23.0	
40	QPSK	108	54	22.25	22.32	22.25			
40	QPSK	108	108	22.24	22.30	22.19			
40	QPSK	216	0	22.17	22.28	22.16	23.0	0.0	
40	ISAM	1	1	22.26	22.28	22.15			
40	ISAM	1	1	20.76	20.88	20.76		21.5	
40	ISAM	1	1	18.81	18.88	18.78			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2565	(dBm)	(dB)	
35	QPSK	1	1	22.28	22.27	22.18	23.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
30	QPSK	1	1	22.31	22.31	22.15	23.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
25	QPSK	1	1	22.21	22.26	22.23	23.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
20	QPSK	1	1	22.20	22.22	22.19	23.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
15	QPSK	1	1	22.27	22.28	22.13	23.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
10	QPSK	1	1	22.18	22.27	22.26	23.0	0.0	
Channel				500000	507000	514000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2570	(dBm)	(dB)	
5	QPSK	1	1	22.23	22.28	22.19	23.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376500	379000	24.0	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	Plz BPSK	1	1	23.13	23.21	23.08			
40	Plz BPSK	1	108	23.14	23.15	23.09			
40	Plz BPSK	1	214	23.08	23.18	23.07	23.5	0.5	
40	Plz BPSK	108	0	22.73	22.80	22.73			
40	Plz BPSK	108	54	23.12	23.19	23.07			
40	Plz BPSK	108	108	22.87	22.72	22.86			
40	QPSK	216	0	22.72	22.76	22.72	24.0	0.0	
40	QPSK	1	108	23.16	23.21	23.12			
40	QPSK	1	214	23.11	23.16	23.03		23.0	
40	QPSK	108	0	22.29	22.32	22.26			
40	QPSK	108	54	23.17	23.20	23.16			
40	QPSK	108	108	22.11	22.26	22.20		23.0	
40	QPSK	216	0	22.19	22.27	22.17			
40	16QAM	1	1	22.07	22.22	22.13	23.0	1.0	
40	64QAM	1	1	20.69	20.76	20.61	23.5	1.0	
40	256QAM	1	1	18.68	18.70	18.59	23.5	1.5	
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)	(dB)	
35	QPSK	1	1	23.13	23.12	23.05	24.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	(dBm)	(dB)	
30	QPSK	1	1	23.07	23.13	23.02	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)	(dB)	
25	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	(dBm)	(dB)	
20	QPSK	1	1	23.13	23.18	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)	(dB)	
15	QPSK	1	1	23.08	23.14	23.04	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	(dBm)	(dB)	
10	QPSK	1	1	23.11	23.12	23.04	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)	(dB)	
5	QPSK	1	1	23.14	23.14	23.07	24.0	0.0	

n30_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	PI2 BPSK	1	1	23.15				
10	PI2 BPSK	1	26	23.09			24.0	0.0
10	PI2 BPSK	1	50	23.12				
10	PI2 BPSK	25	0	22.87			23.5	0.5
10	PI2 BPSK	25	14	23.13			24.0	0.0
10	PI2 BPSK	25	27	22.69				
10	PI2 BPSK	50	0	22.65			23.5	0.5
10	QPSK	1	1	23.18				
10	QPSK	1	26	23.12			24.0	0.0
10	QPSK	1	50	23.07				
10	QPSK	25	0	22.22			23.0	1.0
10	QPSK	25	14	23.10			24.0	0.0
10	QPSK	25	27	22.18			23.0	1.0
10	QPSK	50	0	22.15				
10	16QAM	1	1	22.00			23.0	1.0
10	64QAM	1	1	20.55			21.5	2.5
10	256QAM	1	1	18.53			19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.97	23.11	22.95	24.0	0.0

n66_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.28	23.40	23.30		
40	PI2 BPSK	1	108	23.31	23.32	23.27	24.0	0.0
40	PI2 BPSK	1	214	23.27	23.35	23.31		
40	PI2 BPSK	108	0	22.91	22.94	22.87	23.5	0.5
40	PI2 BPSK	108	54	23.37	23.41	23.34	24.0	0.0
40	PI2 BPSK	108	108	22.86	22.90	22.88		
40	PI2 BPSK	216	0	22.91	22.97	22.92	23.5	0.5
40	QPSK	1	1	23.30	23.44	23.30		
40	QPSK	1	108	23.32	23.40	23.27	24.0	0.0
40	QPSK	1	214	23.29	23.37	23.29		
40	QPSK	108	0	22.24	22.38	22.27	23.0	1.0
40	QPSK	108	54	23.35	23.40	23.26	24.0	0.0
40	QPSK	108	108	22.24	22.33	22.18	23.0	1.0
40	QPSK	216	0	22.30	22.35	22.24		
40	16QAM	1	1	22.34	22.37	22.34	23.0	1.0
40	64QAM	1	1	20.75	20.85	20.79	21.5	2.5
40	256QAM	1	1	18.69	18.80	18.69	19.5	4.5
Channel				345500	346000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.25	23.39	23.22	24.0	0.0
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.27	23.34	23.19	24.0	0.0
Channel				344500	346000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.31	23.31	23.23	24.0	0.0
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.21	23.38	23.25	24.0	0.0
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.27	23.32	23.17	24.0	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.28	23.34	23.24	24.0	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.21	23.31	23.22	24.0	0.0

n70_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				340000				
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1					
15	PI2 BPSK	1	49				24.0	0.0
15	PI2 BPSK	1	77					
15	PI2 BPSK	36	0				23.5	0.5
15	PI2 BPSK	36	22				24.0	0.0
15	PI2 BPSK	36	43					
15	PI2 BPSK	75	0				23.5	0.5
15	QPSK	1	1					
15	QPSK	1	40				24.0	0.0
15	QPSK	1	77					
15	QPSK	36	0				23.0	1.0
15	QPSK	36	22				24.0	0.0
15	QPSK	36	43					
15	QPSK	75	0				23.0	1.0
15	16QAM	1	1				23.0	1.0
15	64QAM	1	1				21.5	2.5
15	256QAM	1	1				19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.32	23.35	23.30	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.31	23.35	23.31	24.0	0.0

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2599.02	2599	2599.98			
40	Pi/2 BPSK	1	1	22.99	23.10	23.98			
40	Pi/2 BPSK	1	53	22.84	22.88	22.88	24.0	0.0	
40	Pi/2 BPSK	1	104	22.75	22.88	22.75			
40	Pi/2 BPSK	50	0	22.74	22.86	22.74	24.0	0.0	
40	Pi/2 BPSK	50	28	22.88	22.92	22.82	24.0	0.0	
40	Pi/2 BPSK	50	58	22.88	22.90	22.94			
40	Pi/2 BPSK	100	0	22.78	22.85	22.82	24.0	0.0	
40	QPSK	1	1	23.09	23.12	22.99			
40	QPSK	1	53	22.89	22.75	22.68	24.0	0.0	
40	QPSK	1	104	22.54	22.88	22.51			
40	QPSK	50	0	22.39	22.49	22.35	23.5	0.5	
40	QPSK	50	28	22.31	22.88	22.35	24.0	0.0	
40	QPSK	50	58	22.43	22.45	22.30	23.5	0.5	
40	QPSK	100	0	22.29	22.40	22.35			
40	16QAM	1	1	22.36	22.48	22.39	23.5	0.5	
40	64QAM	1	1	20.96	21.00	20.94	22.0	2.0	
40	256QAM	1	1	18.34	18.96	18.97	20.0	4.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.01	22.98	22.90	24.0	0.0	
Channel				518504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.53	2595	2607.46			
25	QPSK	1	1	23.02	23.08	22.93	24.0	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.99	23.07	22.90	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.51	2595	2612.49			
15	QPSK	1	1	22.94	23.00	22.94	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.04	22.99	22.84	24.0	0.0	

FCC_n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2544.01	2592.99				
100	Pi/2 BPSK	1	1	23.32	23.45	23.30			
100	Pi/2 BPSK	1	137	23.32	23.41	23.30	24.0	0.0	
100	Pi/2 BPSK	1	271	23.28	23.39	23.30			
100	Pi/2 BPSK	135	0	23.24	23.39	23.36	24.0	0.0	
100	Pi/2 BPSK	135	69	23.31	23.42	23.37	24.0	0.0	
100	Pi/2 BPSK	135	138	23.32	23.36	23.37	24.0	0.0	
100	Pi/2 BPSK	270	0	23.36	23.44	23.33			
100	QPSK	1	1	23.37	23.47	23.33			
100	QPSK	1	137	23.29	23.30	23.18	24.0	0.0	
100	QPSK	1	271	23.26	23.41	23.31			
100	QPSK	135	0	23.25	23.40	23.36	24.0	0.0	
100	QPSK	135	69	23.29	23.43	23.40	24.0	0.0	
100	QPSK	135	138	23.26	23.39	23.28	24.0	0.0	
100	QPSK	270	0	23.38	23.44	23.33			
100	16QAM	1	1	23.26	23.35	23.25	24.0	0.0	
100	64QAM	1	1	23.24	23.34	23.24	24.0	0.0	
100	256QAM	1	1	22.38	22.40	22.33	23.0	1.0	
Channel				509200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.29	23.41	23.27	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2534.02	2592.99	2648.99			
80	QPSK	1	1	23.22	23.33	23.27	24.0	0.0	
Channel				509202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.01	2592.99	2655			
70	QPSK	1	1	23.29	23.40	23.26	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2545	2592.99	2659.99			
60	QPSK	1	1	23.24	23.32	23.26	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.26	23.36	23.20	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.22	23.34	23.27	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.28	23.42	23.25	24.0	0.0	
Channel				507002	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2608.51	2592.99	2677.5			
25	QPSK	1	1	23.22	23.38	23.24	24.0	0.0	
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.26	23.35	23.21	24.0	0.0	
Channel				500000	518598	537500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.29	23.41	23.23	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.25	23.39	23.18	24.0	0.0	

FCC_n41(HPUE)_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000		
Frequency (MHz)				2544.1	2592.99	2640		
100	PV2 BPSK	1	1	26.16	26.20	26.92		
100	PV2 BPSK	1	137	25.83	25.87	25.68	27.0	0.0
100	PV2 BPSK	1	271	25.71	25.72	25.57		
100	PV2 BPSK	135	0	25.99	26.04	25.89	27.0	0.0
100	PV2 BPSK	135	69	25.84	25.85	25.68	27.0	0.0
100	PV2 BPSK	135	138	25.73	25.79	25.64		
100	PV2 BPSK	270	0	25.80	25.85	25.70	27.0	0.0
100	QPSK	1	1	26.16	26.22	26.05		
100	QPSK	1	137	25.81	25.84	25.64	27.0	0.0
100	QPSK	1	271	25.66	25.69	25.53		
100	QPSK	135	0	25.41	25.47	25.31	26.5	0.5
100	QPSK	135	69	25.75	25.76	25.61	27.0	0.0
100	QPSK	135	138	25.17	25.23	25.07		
100	QPSK	270	0	25.37	25.43	25.28	26.5	0.5
100	16QAM	1	1	25.54	25.58	25.41	26.5	0.5
100	64QAM	1	1	24.11	24.14	23.95	25.0	2.0
100	256QAM	1	1	22.11	22.13	21.95	23.0	4.0
Channel				506200	518598	528006	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.11	26.09	26.00	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2634.02	2692.99	2749.99		
80	QPSK	1	1	26.04	26.08	25.92	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.11	26.16	26.00	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2628	2692.99	2759.99		
60	QPSK	1	1	26.05	26.15	25.93	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.08	26.09	25.99	27.0	0.0
Channel				505202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2618.01	2692.99	2730		
40	QPSK	1	1	26.07	26.15	25.95	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.05	26.16	25.97	27.0	0.0
Channel				531102	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.51	2592.99	2677.5		
25	QPSK	1	1	26.09	26.15	25.95	27.0	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.01	26.16	25.94	27.0	0.0
Channel				530100	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	26.03	26.16	25.96	27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2686		
10	QPSK	1	1	26.08	26.16	25.98	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch Freq 638000	Power Middle Ch Freq 641666	Power High Ch Freq 645332	Tune-up limit (dBm)	MPR (dB)	
Channel				637000	642400	647800			
Frequency (MHz)				637000	642400	647800			
40	PQ2 BPSK	1	1	20.05	20.23	20.14	21.0	0.0	
40	PQ2 BPSK	1	53	20.08	20.14	20.17			
40	PQ2 BPSK	1	104	20.04	20.15	20.12			
40	PQ2 BPSK	50	5	20.13	20.12	20.14			
40	PQ2 BPSK	50	26	20.10	20.19	20.17	21.0	0.0	
40	PQ2 BPSK	50	50	20.07	20.16	20.17	21.0	0.0	
40	PQ2 BPSK	100	5	20.03	20.10	20.07			
40	QPSK	1	1	20.10	20.25	20.20			
40	QPSK	1	53	20.07	20.20	20.17			
40	QPSK	1	104	20.15	20.23	20.07	21.0	0.0	
40	QPSK	50	5	20.11	20.20	20.09	21.0	0.0	
40	QPSK	50	26	20.11	20.22	20.14	21.0	0.0	
40	QPSK	50	50	20.04	20.18	20.14	21.0	0.0	
40	QPSK	100	5	20.07	20.20	20.19	21.0	0.0	
40	64QAM	1	1	20.09	20.15	20.07	21.0	0.0	
40	64QAM	1	1	20.09	20.21	20.15	21.0	0.0	
40	256QAM	1	1	19.06	19.00	18.06	19.5	1.5	
Channel				637668	641666	645668	Tune-up limit		
Frequency (MHz)				637668	641666	645668	MPR		
30	QPSK	1	1	20.12	20.20	20.06	21.0	0.0	
Channel				637334	641666	646000	Tune-up limit		
Frequency (MHz)				637334	641666	646000	MPR		
20	QPSK	1	1	20.12	20.18	20.09	21.0	0.0	
Channel				637768	641666	646168	Tune-up limit		
Frequency (MHz)				637768	641666	646168	MPR		
15	QPSK	1	1	20.08	20.16	20.05	21.0	0.0	
Channel				637000	641666	646332	Tune-up limit		
Frequency (MHz)				637000	641666	646332	MPR		
10	QPSK	1	1	20.10	20.22	20.17	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				6375	3034.99	3073.98			
40	PQ2 BPSK	1	1	21.27	21.20	21.13	22.0	0.0	
40	PQ2 BPSK	1	53	21.14	21.31	21.09			
40	PQ2 BPSK	1	104	21.17	21.23	21.21			
40	PQ2 BPSK	50	5	21.26	21.31	21.14			
40	PQ2 BPSK	50	26	21.27	21.25	21.11	22.0	0.0	
40	PQ2 BPSK	50	50	21.19	21.22	21.08	22.0	0.0	
40	PQ2 BPSK	100	5	21.17	21.23	21.09			
40	QPSK	1	1	21.23	21.35	21.22			
40	QPSK	1	53	21.24	21.21	21.19			
40	QPSK	1	104	21.17	21.28	21.14	22.0	0.0	
40	QPSK	50	5	21.16	21.23	21.11	22.0	0.0	
40	QPSK	50	26	21.25	21.31	21.15	22.0	0.0	
40	QPSK	50	50	21.23	21.30	21.07	22.0	0.0	
40	QPSK	100	5	21.14	21.26	21.16	22.0	0.0	
40	64QAM	1	1	21.24	21.32	21.14	22.0	0.0	
40	64QAM	1	1	21.15	21.34	21.18	21.5	0.5	
40	256QAM	1	1	19.08	19.18	19.15	19.5	2.5	
Channel				637668	641666	645568	Tune-up limit MPR		
Frequency (MHz)				637668	3034.99	3074.98	dB		
30	QPSK	1	1	21.22	21.30	21.13	22.0	0.0	
Channel				637344	641666	646000	Tune-up limit MPR		
Frequency (MHz)				637344	3034.99	3074.98	dB		
20	QPSK	1	1	21.13	21.31	21.07	22.0	0.0	
Channel				637768	641666	646168	Tune-up limit MPR		
Frequency (MHz)				637768	3034.99	3074.98	dB		
15	QPSK	1	1	21.15	21.28	21.16	22.0	0.0	
Channel				637000	641666	646332	Tune-up limit MPR		
Frequency (MHz)				637000	3034.99	3074.98	dB		
10	QPSK	1	1	21.27	21.25	21.16	22.0	0.0	

Part27Q_n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				643332	643332	643332			
Frequency (MHz)				643332	643332	643332			
100	PQ2 BPSK	1	1	20.75	20.75	20.75	21.5	0.0	
100	PQ2 BPSK	1	137	20.59	20.59	20.59			
100	PQ2 BPSK	1	271	20.50	20.50	20.50			
100	PQ2 BPSK	135	5	20.57	20.57	20.57			
100	PQ2 BPSK	135	69	20.61	20.61	20.61	21.5	0.0	
100	PQ2 BPSK	135	136	20.59	20.59	20.59	21.5	0.0	
100	PQ2 BPSK	270	5	20.51	20.51	20.51			
100	QPSK	1	1	20.60	20.60	20.60			
100	QPSK	1	137	20.69	20.69	20.69			
100	QPSK	1	271	20.65	20.65	20.65	21.5	0.0	
100	QPSK	135	5	20.63	20.63	20.63	21.5	0.0	
100	QPSK	135	69	20.69	20.69	20.69	21.5	0.0	
100	QPSK	135	136	20.63	20.63	20.63			
100	QPSK	270	5	20.63	20.63	20.63			
100	16QAM	1	1	20.72	20.72	20.72	21.5	0.0	
100	64QAM	1	1	20.67	20.67	20.67	21.5	0.0	
100	256QAM	1	1	20.74	20.74	20.74	21.5	0.0	
Channel				643500	643500	643500			
Frequency (MHz)				643500	643500	643500			
50	QPSK	1	1	20.66	20.67	20.63	21.5	0.0	
Channel				643700	643700	643700			
Frequency (MHz)				643700	643700	643700			
80	QPSK	1	1	20.63	20.72	20.70	21.5	0.0	
Channel				643900	643900	643900			
Frequency (MHz)				643900	643900	643900			
70	QPSK	1	1	20.59	20.65	20.73	21.5	0.0	
Channel				644100	644100	644100			
Frequency (MHz)				644100	644100	644100			
60	QPSK	1	1	20.67	20.69	20.69	21.5	0.0	
Channel				644300	644300	644300			
Frequency (MHz)				644300	644300	644300			
50	QPSK	1	1	20.61	20.75	20.69	21.5	0.0	
Channel				644500	644500	644500			
Frequency (MHz)				644500	644500	644500			
40	QPSK	1	1	20.61	20.70	20.72	21.5	0.0	
Channel				644700	644700	644700			
Frequency (MHz)				644700	644700	644700			
30	QPSK	1	1	20.61	20.75	20.66	21.5	0.0	
Channel				644900	644900	644900			
Frequency (MHz)				644900	644900	644900			
25	QPSK	1	1	20.67	20.72	20.73	21.5	0.0	
Channel				645100	645100	645100			
Frequency (MHz)				645100	645100	645100			
20	QPSK	1	1	20.64	20.72	20.68	21.5	0.0	
Channel				645300	645300	645300			
Frequency (MHz)				645300	645300	645300			
15	QPSK	1	1	20.64	20.69	20.73	21.5	0.0	
Channel				645500	645500	645500			
Frequency (MHz)				645500	645500	645500			
10	QPSK	1	1	20.66	20.69	20.67	21.5	0.0	



Part27Q_n77(HPUE)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.44	23.44	23.44			
100	PI2 BPSK	1	137	23.60	23.60	23.60	24.5	0.0	
100	PI2 BPSK	1	271	23.54	23.54	23.54			
100	PI2 BPSK	135	0	23.61	23.61	23.61	24.5	0.0	
100	PI2 BPSK	135	69	23.59	23.59	23.59	24.5	0.0	
100	PI2 BPSK	135	138	23.67	23.67	23.67	24.5	0.0	
100	QPSK	1	1	23.78	23.78	23.78			
100	QPSK	1	137	23.64	23.64	23.64	24.5	0.0	
100	QPSK	1	271	23.64	23.64	23.64			
100	QPSK	135	0	23.59	23.59	23.59	24.5	0.0	
100	QPSK	135	69	23.73	23.73	23.73	24.5	0.0	
100	QPSK	135	138	23.61	23.61	23.61	24.5	0.0	
100	8QAM	1	1	23.69	23.69	23.69	24.5	0.0	
100	8QAM	1	1	23.69	23.69	23.69	24.5	0.0	
100	256QAM	1	1	21.70	21.70	21.70	22.5	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.47	23.69	23.65	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.53	23.73	23.68	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.51	23.63	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.53	23.68	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.54	23.72	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.50	23.72	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.47	23.73	23.55	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.47	23.72	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.53	23.68	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.57	23.69	23.64	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.50	23.67	23.63	24.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.56	23.63	23.65	24.5	0.0	

Part270_n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.83	20.83	20.72			
100	PI2 BPSK	1	137	20.68	20.70	20.58	21.5	0.0	
100	PI2 BPSK	1	271	20.78	20.83	20.80			
100	PI2 BPSK	135	0	20.70	20.83	20.81	21.5	0.0	
100	PI2 BPSK	135	69	20.78	20.75	20.68	21.5	0.0	
100	PI2 BPSK	135	138	20.83	20.88	20.88	21.5	0.0	
100	PI2 BPSK	270	0	20.65	20.81	20.54	21.5	0.0	
100	QPSK	1	1	20.50	20.52	20.51			
100	QPSK	1	137	20.76	20.82	20.68	21.5	0.0	
100	QPSK	1	271	20.84	20.77	20.89			
100	QPSK	135	0	20.78	20.76	20.82	21.5	0.0	
100	QPSK	135	69	20.69	20.78	20.69	21.5	0.0	
100	QPSK	135	138	20.69	20.78	20.69	21.5	0.0	
100	QPSK	270	0	20.72	20.73	20.81	21.5	0.0	
100	16QAM	1	1	20.81	20.86	20.74	21.5	0.0	
100	64QAM	1	1	20.75	20.82	20.72	21.5	0.0	
100	256QAM	1	1	20.85	20.83	20.89	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.78	20.78	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.78	20.78	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.80	20.87	20.89	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.84	20.81	20.86	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.83	20.82	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.77	20.83	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.84	20.80	20.76	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.75	20.83	20.76	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.81	20.88	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.83	20.83	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.76	20.78	20.72	21.5	0.0	

Part270_n77(HPUE)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. [Frac.]	Middle Ch. [Frac.]	High Ch. [Frac.]	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.76	23.42	19.90			
100	PI2 BPSK	135	137	23.39	23.42	23.37	24.5	0.0	
100	PI2 BPSK	1	271	23.32	23.41	23.38			
100	PI2 BPSK	135	0	23.14	23.27	23.22	24.5	0.0	
100	PI2 BPSK	135	69	23.27	23.36	23.30	24.5	0.0	
100	PI2 BPSK	135	138	23.23	23.22	23.25			
100	PI2 BPSK	270	0	23.14	23.30	23.28	24.5	0.0	
100	QPSK	1	1	23.50	23.60	23.50			
100	QPSK	1	137	23.44	23.51	23.46	24.5	0.0	
100	QPSK	1	271	23.40	23.51	23.50			
100	QPSK	135	0	23.28	23.41	23.36	24.5	0.0	
100	QPSK	135	69	23.52	23.48	23.43	24.5	0.0	
100	QPSK	135	138	23.51	23.57	23.52	24.5	0.0	
100	QPSK	270	0	23.28	23.38	23.37	24.5	0.0	
100	16QAM	1	1	23.49	23.57	23.44	24.5	0.0	
100	64QAM	1	1	23.43	23.58	23.45	24.5	0.0	
100	256QAM	1	1	21.82	21.74	21.68	22.5	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.46	23.55	23.47	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.42	23.57	23.44	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.43	23.55	23.43	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.44	23.51	23.45	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.45	23.51	23.46	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.46	23.50	23.43	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.44	23.50	23.43	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.44	23.50	23.43	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.49	23.58	23.45	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.41	23.50	23.47	24.5	0.0	

Part27Q_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Power Ch. Freq. (dBm)	MPR (dB)	
Channel				3494.98	633332	3494.98			
Frequency (MHz)				3494.98	633332	3494.98			
100	PQ2 BPSK	1	1	20.67					
100	PQ2 BPSK	1	137	20.63			21.5	0.0	
100	PQ2 BPSK	1	271	20.58					
100	PQ2 BPSK	135	5	20.37			21.5	0.0	
100	PQ2 BPSK	135	69	20.49			21.5	0.0	
100	PQ2 BPSK	135	138	20.35			21.5	0.0	
100	PQ2 BPSK	270	5	20.44					
100	QPSK	1	1	20.74					
100	QPSK	1	137	20.68			21.5	0.0	
100	QPSK	1	271	20.58					
100	QPSK	135	5	20.51			21.5	0.0	
100	QPSK	135	69	20.54			21.5	0.0	
100	QPSK	135	138	20.49			21.5	0.0	
100	QPSK	270	5	20.51					
100	16QAM	1	1	20.65			21.5	0.0	
100	16QAM	1	1	20.56			21.5	0.0	
100	256QAM	1	1	20.59			21.5	0.0	
Channel				633330	633332	633368	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)				633330	633332	633368	Turn-up test (dBm)	MPR (dB)	
90	QPSK	1	1	20.63	20.50	20.47	21.5	0.0	
Channel				3496	3499.98	3504	(dBm)		
Frequency (MHz)				3496	3499.98	3504	(dBm)		
80	QPSK	1	1	20.63	20.53	20.43	21.5	0.0	
Channel				3496.01	3499.98	3514	(dBm)		
Frequency (MHz)				3496.01	3499.98	3514	(dBm)		
70	QPSK	1	1	20.58	20.58	20.42	21.5	0.0	
Channel				3500	3500.02	3516	(dBm)		
Frequency (MHz)				3500	3500.02	3516	(dBm)		
60	QPSK	1	1	20.58	20.55	20.42	21.5	0.0	
Channel				3500.01	3500.02	3516.02	(dBm)		
Frequency (MHz)				3500.01	3500.02	3516.02	(dBm)		
50	QPSK	1	1	20.59	20.42	20.45	21.5	0.0	
Channel				3513	3513.04	3532	(dBm)		
Frequency (MHz)				3513	3513.04	3532	(dBm)		
40	QPSK	1	1	20.58	20.42	20.44	21.5	0.0	
Channel				3510	3510.02	3536	(dBm)		
Frequency (MHz)				3510	3510.02	3536	(dBm)		
30	QPSK	1	1	20.63	20.51	20.45	21.5	0.0	
Channel				3504	3504.02	3532	(dBm)		
Frequency (MHz)				3504	3504.02	3532	(dBm)		
25	QPSK	1	1	20.58	20.57	20.42	21.5	0.0	
Channel				3506	3506.01	3530	(dBm)		
Frequency (MHz)				3506	3506.01	3530	(dBm)		
20	QPSK	1	1	20.57	20.55	20.45	21.5	0.0	
Channel				3505	3505.02	3531	(dBm)		
Frequency (MHz)				3505	3505.02	3531	(dBm)		
15	QPSK	1	1	20.58	20.56	20.45	21.5	0.0	
Channel				3504	3504.02	3532	(dBm)		
Frequency (MHz)				3504	3504.02	3532	(dBm)		
10	QPSK	1	1	20.54	20.61	20.51	21.5	0.0	

Part27Q_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3494.98	633332	3494.98			
Frequency (MHz)									
100	PQ2 BPSK	1	1	23.50					
100	PQ2 BPSK	1	137	23.43			24.5	0.0	
100	PQ2 BPSK	1	271	23.44					
100	PQ2 BPSK	135	5	23.43			24.5	0.0	
100	PQ2 BPSK	135	69	23.49			24.5	0.0	
100	PQ2 BPSK	135	138	23.31			24.5	0.0	
100	PQ2 BPSK	270	5	23.41					
100	QPSK	1	1	23.62					
100	QPSK	1	137	23.57			24.5	0.0	
100	QPSK	1	271	23.54					
100	QPSK	135	5	23.49			24.5	0.0	
100	QPSK	135	69	23.59			24.5	0.0	
100	QPSK	135	138	23.45			24.5	0.0	
100	QPSK	270	5	23.51					
100	8QAM	1	1	23.50			24.5	0.0	
100	8QAM	1	1	23.48			24.5	0.0	
100	256QAM	1	1	23.34			22.5	2.0	
Channel				633300	633332	633368	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	23.46	23.55	23.50	24.5	0.0	
Channel				3495.01	3499.98	3504.98	(dBm)		
Frequency (MHz)									
80	QPSK	1	1	23.44	23.57	23.44	24.5	0.0	
Channel				3495.01	3499.98	3514.98	(dBm)		
Frequency (MHz)									
70	QPSK	1	1	23.48	23.52	23.52	24.5	0.0	
Channel				3495.01	3499.98	3519.98	(dBm)		
Frequency (MHz)									
60	QPSK	1	1	23.50	23.58	23.52	24.5	0.0	
Channel				3470.02	3499.98	3525	(dBm)		
Frequency (MHz)									
50	QPSK	1	1	23.43	23.53	23.53	24.5	0.0	
Channel				3470.01	3499.98	3529.98	(dBm)		
Frequency (MHz)									
40	QPSK	1	1	23.52	23.57	23.52	24.5	0.0	
Channel				3465	3499.98	3534.98	(dBm)		
Frequency (MHz)									
30	QPSK	1	1	23.50	23.45	23.46	24.5	0.0	
Channel				3462.51	3499.98	3537.48	(dBm)		
Frequency (MHz)									
25	QPSK	1	1	23.51	23.47	23.51	24.5	0.0	
Channel				3459.98	3499.98	3540	(dBm)		
Frequency (MHz)									
20	QPSK	1	1	23.45	23.54	23.48	24.5	0.0	
Channel				3459.99	3499.98	3542.48	(dBm)		
Frequency (MHz)									
15	QPSK	1	1	23.49	23.50	23.50	24.5	0.0	
Channel				3455.01	3499.98	3544.98	(dBm)		
Frequency (MHz)									
10	QPSK	1	1	23.43	23.49	23.53	24.5	0.0	



Part270_n77_Ant 8										
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MPR (dB)		
Channel				3750	344	1630				
Frequency (MHz)										
100	PI2 BPSK	1	1	20.65	20.63	20.75				
100	PI2 BPSK	1	137	20.52	20.74	20.66	21.5	0.0		
100	PI2 BPSK	1	271	20.55	20.69	20.59				
100	PI2 BPSK	135	5	20.36	20.66	20.40	21.5	0.0		
100	PI2 BPSK	135	69	20.45	20.70	20.59	21.5	0.0		
100	PI2 BPSK	135	138	20.40	20.59	20.55	21.5	0.0		
100	PI2 BPSK	270	5	20.42	20.56	20.57				
100	QPSK	1	1	20.73	20.69	20.65				
100	QPSK	1	137	20.59	20.62	20.73	21.5	0.0		
100	QPSK	1	271	20.68	20.76	20.72				
100	QPSK	135	5	9	20.44	20.73	20.60	21.5	0.0	
100	QPSK	135	69	20	20.76	20.74	20.74	21.5	0.0	
100	QPSK	135	138	20	20.40	20.73	20.60	21.5	0.0	
100	QPSK	270	5	20	20.54	20.69	20.64			
100	ISGM	1	1	20	20.69	20.76	20.78	21.5	0.0	
100	ISGM	1	1	20	20.84	20.79	20.80	21.5	0.0	
100	ISGM	1	1	20	20.88	20.77	20.70	21.5	0.0	
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
90	QPSK	1	1	20.60	20.80	20.77	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
80	QPSK	1	1	20.59	20.74	20.73	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
70	QPSK	1	1	20.64	20.77	20.77	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
60	QPSK	1	1	20.68	20.73	20.72	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
50	QPSK	1	1	20.62	20.74	20.71	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
40	QPSK	1	1	20.58	20.76	20.80	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
30	QPSK	1	1	20.60	20.76	20.72	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
25	QPSK	1	1	20.61	20.62	20.70	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
20	QPSK	1	1	20.63	20.60 <td>20.79</td> <td>21.5</td> <td colspan="2">0.0</td>	20.79	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
15	QPSK	1	1	20.62	20.75	20.72	21.5	0.0		
Channel				66000	66000	66000	Turn-up test	MPR		
Frequency (MHz)										
10	QPSK	1	1	20.60	20.62	20.73	21.5	0.0		

Part270_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	23.63	23.63	23.58			
100	PI2 BPSK	1	137	23.63	23.67	23.54	24.5	0.0	
100	PI2 BPSK	1	271	23.58	23.66	23.51			
100	PI2 BPSK	135	5	23.38	23.65	23.32	24.5	0.0	
100	PI2 BPSK	135	69	23.58	23.69	23.45	24.5	0.0	
100	PI2 BPSK	135	138	23.48	23.61	23.34	24.5	0.0	
100	PI2 BPSK	270	5	23.49	23.67	23.35			
100	QPSK	1	1	23.70	23.65	23.65			
100	QPSK	1	137	23.62	23.74	23.63	24.5	0.0	
100	QPSK	135	5	23.38	23.65	23.32	24.5	0.0	
100	QPSK	135	21	23.50	23.65	23.44	24.5	0.0	
100	QPSK	135	69	23.66	23.66	23.66	24.5	0.0	
100	QPSK	135	138	23.56	23.75	23.40	24.5	0.0	
100	QPSK	270	5	23.58	23.75	23.48			
100	ISGM	1	1	23.67	23.77	23.66	24.5	0.0	
100	ISGM	1	1	23.63	23.79	23.62	24.5	0.0	
100	256QAM	1	1	21.78	21.79	21.65	22.5	2.0	
Channel				66066	66066	66232	Turn-up test	MPR	
Frequency (MHz)				66066	66066	66066			
90	QPSK	1	1	23.63	23.76	23.66	24.5	0.0	
Channel				66334	66334	66268	Turn-up test	MPR	
Frequency (MHz)				66334	66334	66334			
80	QPSK	1	1	23.70	23.76	23.54	24.5	0.0	
Channel				66000	66000	66000	Turn-up test	MPR	
Frequency (MHz)				66000	66000	66000			
70	QPSK	1	1	23.69	23.73	23.66	24.5	0.0	
Channel				66066	66066	66332	Turn-up test	MPR	
Frequency (MHz)				66066	66066	66066			
60	QPSK	1	1	23.69	23.79	23.67	24.5	0.0	
Channel				66334	66334	66368	Turn-up test	MPR	
Frequency (MHz)				66334	66334	66334			
50	QPSK	1	1	23.65	23.79	23.60	24.5	0.0	
Channel				66000	66000	66000	Turn-up test	MPR	
Frequency (MHz)				66000	66000	66000			
40	QPSK	1	1	23.63	23.72	23.61	24.5	0.0	
Channel				66066	66066	66432	Turn-up test	MPR	
Frequency (MHz)				66066	66066	66066			
30	QPSK	1	1	23.69	23.77	23.61	24.5	0.0	
Channel				66000	66000	66000	Turn-up test	MPR	
Frequency (MHz)				66000	66000	66000			
25	QPSK	1	1	23.68	23.72	23.60	24.5	0.0	
Channel				66334	66334	66066	Turn-up test	MPR	
Frequency (MHz)				66334	66334	66066			
20	QPSK	1	1	23.63	23.77	23.54	24.5	0.0	
Channel				66066	66066	66432	Turn-up test	MPR	
Frequency (MHz)				66066	66066	66066			
15	QPSK	1	1	23.67	23.77	23.61	24.5	0.0	
Channel				66000	66000	66000	Turn-up test	MPR	
Frequency (MHz)				66000	66000	66000			
10	QPSK	1	1	23.71	23.74	23.55	24.5	0.0	



Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3459.98			
100	PI2 BPSK	1	1	20.69			
100	PI2 BPSK	1	137	20.52		21.5	0.0
100	PI2 BPSK	1	271	20.52			
100	PI2 BPSK	135	5	20.52		21.5	0.0
100	PI2 BPSK	135	69	20.61		21.5	0.0
100	PI2 BPSK	135	138	20.38			
100	PI2 BPSK	270	0	20.49		21.5	0.0
100	QPSK	1	1	20.75			
100	QPSK	1	137	20.63		21.5	0.0
100	QPSK	1	271	20.67			
100	QPSK	135	5	20.61		21.5	0.0
100	QPSK	135	69	20.66		21.5	0.0
100	QPSK	135	138	20.51		21.5	0.0
100	QPSK	270	0	20.58			
100	8QAM	1	1	20.67		21.5	0.0
100	8QAM	1	1	20.69		21.5	0.0
100	256QAM	1	1	20.70		21.5	0.0
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	20.56	20.64	20.53	21.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	20.47	20.65	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	20.49	20.60	20.45	21.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	20.51	20.68	20.50	21.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	20.55	20.60	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	20.54	20.64	20.46	21.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	20.55	20.62	20.53	21.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	20.67	20.70	20.45	21.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	20.49	20.68	20.52	21.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	20.50	20.64	20.54	21.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	20.59	20.63	20.49	21.5

Part27Q_n78(HPUe)_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3459.98			
100	PI2 BPSK	1	1	23.59			
100	PI2 BPSK	1	137	23.59		24.5	0.0
100	PI2 BPSK	1	271	23.55			
100	PI2 BPSK	135	5	23.39		24.5	0.0
100	PI2 BPSK	135	69	23.59		24.5	0.0
100	PI2 BPSK	135	138	23.41			
100	PI2 BPSK	270	0	23.43		24.5	0.0
100	QPSK	1	1	23.74			
100	QPSK	1	137	23.69		24.5	0.0
100	QPSK	1	271	23.69			
100	QPSK	135	5	23.51		24.5	0.0
100	QPSK	135	69	23.52		24.5	0.0
100	QPSK	135	138	23.54		24.5	0.0
100	QPSK	270	0	23.52			
100	8QAM	1	1	23.64		24.5	0.0
100	8QAM	1	1	23.65		24.5	0.0
100	256QAM	1	1	23.69		24.5	0.0
Channel				633332			
Frequency (MHz)				3459.98			
90	QPSK	1	1	23.46	23.67	23.53	24.5
Channel				633332			
Frequency (MHz)				3459.98			
80	QPSK	1	1	23.50	23.69	23.45	24.5
Channel				633332			
Frequency (MHz)				3459.98			
70	QPSK	1	1	23.52	23.68	23.47	24.5
Channel				633332			
Frequency (MHz)				3459.98			
60	QPSK	1	1	23.52	23.64	23.46	24.5
Channel				633332			
Frequency (MHz)				3459.98			
50	QPSK	1	1	23.48	23.59	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
40	QPSK	1	1	23.43	23.64	23.45	24.5
Channel				633332			
Frequency (MHz)				3459.98			
30	QPSK	1	1	23.50	23.63	23.51	24.5
Channel				633332			
Frequency (MHz)				3459.98			
25	QPSK	1	1	23.44	23.68	23.44	24.5
Channel				633332			
Frequency (MHz)				3459.98			
20	QPSK	1	1	23.46	23.64	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
15	QPSK	1	1	23.48	23.66	23.49	24.5
Channel				633332			
Frequency (MHz)				3459.98			
10	QPSK	1	1	23.45	23.63	23.53	24.5

Part27Q_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				660000			
Frequency (MHz)				3745.98			
100	PI2 BPSK	1	1	20.80			
100	PI2 BPSK	1	137	20.65		21.5	0.0
100	PI2 BPSK	1	271	20.68			
100	PI2 BPSK	135	5	20.47		21.5	0.0
100	PI2 BPSK	135	69	20.67		21.5	0.0
100	PI2 BPSK	135	138	20.50		21.5	0.0
100	PI2 BPSK	270	0	20.54			
100	QPSK	1	1	20.85			
100	QPSK	1	137	20.76		21.5	0.0
100	QPSK	1	271	20.80			
100	QPSK	135	5	20.60		21.5	0.0
100	QPSK	135	69	20.75		21.5	0.0
100	QPSK	135	138	20.61		21.5	0.0
100	QPSK	270	0	20.70			
100	8QAM	1	1	20.74		21.5	0.0
100	8QAM	1	1	20.74		21.5	0.0
100	256QAM	1	1	20.75		21.5	0.0
Channel				660000			
Frequency (MHz)				3745.98			
90	QPSK	1	1	20.71	20.78	20.80	21.5
Channel				660000			
Frequency (MHz)				3745.98			
80	QPSK	1	1	20.66	20.78	20.80	21.5
Channel				660000			
Frequency (MHz)				3745.98			
70	QPSK	1	1	20.66	20.70	20.80	21.5
Channel				660000			
Frequency (MHz)				3745.98			
60	QPSK	1	1	20.63	20.73	20.82	21.5
Channel				660000			
Frequency (MHz)				3745.98			
50	QPSK	1	1	20.66	20.76	20.59	21.5
Channel				660000			
Frequency (MHz)				3745.98			
40	QPSK	1	1	20.67	20.74	20.63	21.5
Channel				660000			
Frequency (MHz)				3745.98			
30	QPSK	1	1	20.67	20.70	20.64	21.5
Channel				660000			
Frequency (MHz)				3745.98			
25	QPSK	1	1	20.62	20.72	20.68	21.5
Channel				660000			
Frequency (MHz)				3745.98			
20	QPSK	1	1	20.69	20.80	20.68	21.5
Channel				660000			
Frequency (MHz)				3745.98			
15	QPSK	1	1	20.67	20.76	20.63	21.5
Channel				660000			
Frequency (MHz)				3745.98			
10	QPSK	1	1	20.69	20.78	20.59	21.5



Part27O_n78(HPUE)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				23.42	23.52	23.62			
100	F3/2 BPSK	1	1		23.52		24.5		0.0
100	F3/2 BPSK	1	137		23.37				
100	F3/2 BPSK	1	271		23.46				
100	F3/2 BPSK	135	0		23.33				
100	F3/2 BPSK	135	69		23.47		24.5		0.0
100	F3/2 BPSK	135	138		23.28		24.5		0.0
100	F3/2 BPSK	270	0		23.28				
100	QPSK	1	1		23.65				
100	QPSK	1	137		23.36		24.5		0.0
100	QPSK	1	271		23.57				
100	QPSK	135	0		23.48				
100	QPSK	135	69		23.55		24.5		0.0
100	QPSK	135	138		23.41		24.5		0.0
100	QPSK	270	0		23.43				
100	BQAM	1	1		23.54				
100	BQAM	1	1		23.53		24.5		0.0
100	256QAM	1	1		21.69	22.52	22.5		2.0
Channel				84868	85000	85132	Tune-up Intvl		MPR
Frequency (MHz)				3745.02	3750	3754.98	24.5		0.0
90	QPSK	1	1	23.44	23.60	23.43	24.5		0.0
Channel				84868	85000	85132	Tune-up Intvl		MPR
Frequency (MHz)				3740.01	3750	3759.99	24.5		0.0
80	QPSK	1	1	23.42	23.58	23.53	24.5		0.0
Channel				84868	85000	85132	Tune-up Intvl		MPR
Frequency (MHz)				3735	3750	3765	24.5		0.0
70	QPSK	1	1	23.44	23.53	23.49	24.5		0.0
Channel				84868	85000	85132	Tune-up Intvl		MPR
Frequency (MHz)				3730.02	3750	3760.98	24.5		0.0
60	QPSK	1	1	23.51	23.58	23.53	24.5		0.0
Channel				84868	85000	85132	Tune-up Intvl		MPR
Frequency (MHz)				3725.01	3750	3774.99	24.5		0.0
50	QPSK	1	1	23.44	23.53	23.43	24.5		0.0
Channel				84868	85000	85132	Tune-up Intvl		MPR
Frequency (MHz)				3720	3750	3780	24.5		0.0
40	QPSK	1	1	23.47	23.57	23.48	24.5		0.0
Channel				84868	85000	85132	Tune-up Intvl		MPR
Frequency (MHz)				3715.02	3750	3784.98	24.5		0.0
30	QPSK	1	1	23.47	23.53	23.47	24.5		0.0
Channel				84868	85000	85132	Tune-up Intvl		MPR
Frequency (MHz)				3712.5	3750	3787.5	24.5		0.0
25	QPSK	1	1	23.43	23.53	23.43	24.5		0.0
Channel				84734	85000	85266	Tune-up Intvl		MPR
Frequency (MHz)				3710.51	3750	3789.50	24.5		0.0
20	QPSK	1	1	23.51	23.51	23.43	24.5		0.0
Channel				847168	85000	852832	Tune-up Intvl		MPR
Frequency (MHz)				3707.52	3750	3792.48	24.5		0.0
15	QPSK	1	1	23.45	23.51	23.49	24.5		0.0
Channel				847050	85000	853000	Tune-up Intvl		MPR
Frequency (MHz)				3705	3750	3795	24.5		0.0
10	QPSK	1	1	23.51	23.53	23.49	24.5		0.0



Part27Q_n78_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
100	PI2 BPSK	1	1	20.48			
100	PI2 BPSK	1	137	20.32			21.5
100	PI2 BPSK	1	271	20.34			
100	PI2 BPSK	135	5	20.30			21.5
100	PI2 BPSK	135	69	20.29			21.5
100	PI2 BPSK	135	138	20.24			21.5
100	PI2 BPSK	270	0	20.29			
100	QPSK	1	1	20.53			
100	QPSK	1	137	20.38			21.5
100	QPSK	1	271	20.43			
100	QPSK	135	5	20.36			21.5
100	QPSK	135	69	20.42			21.5
100	QPSK	135	138	20.31			21.5
100	QPSK	270	0	20.37			
100	8QAM	1	1	20.42			21.5
100	8QAM	1	1	20.46			21.5
100	256QAM	1	1	20.48			21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
90	QPSK	1	1	20.17	20.39	20.28	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
80	QPSK	1	1	20.16	20.41	20.37	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
70	QPSK	1	1	20.17	20.47	20.26	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
60	QPSK	1	1	20.20	20.41	20.28	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
50	QPSK	1	1	20.21	20.40	20.34	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
40	QPSK	1	1	20.16	20.38	20.36	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
30	QPSK	1	1	20.21	20.45	20.31	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
25	QPSK	1	1	20.17	20.46	20.33	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
20	QPSK	1	1	20.20	20.42	20.28	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
15	QPSK	1	1	20.19	20.39	20.35	21.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
10	QPSK	1	1	20.16	20.41	20.36	21.5

Part27Q_n78(HPUe)_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
100	PI2 BPSK	1	1	23.45			
100	PI2 BPSK	1	137	23.49			24.5
100	PI2 BPSK	1	271	23.46			
100	PI2 BPSK	135	5	23.33			24.5
100	PI2 BPSK	135	69	23.41			24.5
100	PI2 BPSK	135	138	23.32			24.5
100	PI2 BPSK	270	0	23.21			
100	QPSK	1	1	23.50			
100	QPSK	1	137	23.38			24.5
100	QPSK	1	271	23.24			
100	QPSK	135	5	23.41			24.5
100	QPSK	135	69	23.50			24.5
100	QPSK	135	138	23.43			24.5
100	QPSK	270	0	23.35			
100	8QAM	1	1	23.46			24.5
100	8QAM	1	1	23.51			24.5
100	256QAM	1	1	21.51			22.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
90	QPSK	1	1	23.27	23.49	23.35	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
80	QPSK	1	1	23.27	23.46	23.34	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
70	QPSK	1	1	23.30	23.49	23.28	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
60	QPSK	1	1	23.34	23.46	23.29	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
50	QPSK	1	1	23.28	23.47	23.28	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
40	QPSK	1	1	23.36	23.50	23.32	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
30	QPSK	1	1	23.33	23.48	23.32	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
25	QPSK	1	1	23.28	23.48	23.30	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
20	QPSK	1	1	23.29	23.55	23.37	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
15	QPSK	1	1	23.29	23.44	23.29	24.5
Channel				633332		633332	
Frequency (MHz)				3499.98		3499.98	
10	QPSK	1	1	23.26	23.34	23.34	24.5

Part27Q_n78_Ant 8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
100	PI2 BPSK	1	1	20.69			
100	PI2 BPSK	1	137	20.61			21.5
100	PI2 BPSK	1	271	20.68			
100	PI2 BPSK	135	5	20.59			21.5
100	PI2 BPSK	135	69	20.62			21.5
100	PI2 BPSK	135	138	20.54			21.5
100	PI2 BPSK	270	0	20.47			
100	QPSK	1	1	20.79			
100	QPSK	1	137	20.72			21.5
100	QPSK	1	271	20.74			
100	QPSK	135	5	20.68			21.5
100	QPSK	135	69	20.73			21.5
100	QPSK	135	138	20.61			21.5
100	QPSK	270	0	20.59			
100	8QAM	1	1	20.71			21.5
100	8QAM	1	1	20.68			21.5
100	256QAM	1	1	20.68			21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
90	QPSK	1	1	20.58	20.71	20.61	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
80	QPSK	1	1	20.58	20.68	20.54	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
70	QPSK	1	1	20.54	20.74	20.56	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
60	QPSK	1	1	20.55	20.73	20.57	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
50	QPSK	1	1	20.59	20.74	20.55	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
40	QPSK	1	1	20.63	20.72	20.56	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
30	QPSK	1	1	20.61	20.70	20.54	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
25	QPSK	1	1	20.73	20.64	20.53	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
20	QPSK	1	1	20.78	20.58	20.53	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
15	QPSK	1	1	20.70	20.72	20.60	21.5
Channel				660000		660000	
Frequency (MHz)				3759.98		3759.98	
10	QPSK	1	1	20.59	20.69	20.54	21.5



Part27O_n78(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				660000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		23.62				
100	PI2 BPSK	1	137		23.55		24.5	0.0	
100	PI2 BPSK	1	271		23.48				
100	PI2 BPSK	135	0		23.47		24.5	0.0	
100	PI2 BPSK	135	69		23.59		24.5	0.0	
100	PI2 BPSK	135	138		23.48		24.5	0.0	
100	PI2 BPSK	270	0		23.42				
100	QPSK	1	1		23.73				
100	QPSK	1	137		23.66		24.5	0.0	
100	QPSK	1	271		23.59				
100	QPSK	135	0		23.60		24.5	0.0	
100	QPSK	135	69		23.55		24.5	0.0	
100	QPSK	135	138		23.51		24.5	0.0	
100	QPSK	270	0		23.53				
100	16QAM	1	1		23.67		24.5	0.0	
100	64QAM	1	1		23.62		24.5	0.0	
100	256QAM	1	1		23.67		22.5	2.0	
Channel				348988	350000	352012	Turn-up Int.		
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		
90	QPSK	1	1	23.48	23.60	23.66	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	QPSK	1	1	23.39	23.64	23.52	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1	23.37	23.67	23.54	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		
60	QPSK	1	1	23.44	23.58	23.52	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	QPSK	1	1	23.40	23.66	23.53	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1	23.40	23.62	23.53	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		
30	QPSK	1	1	23.43	23.67	23.58	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1	23.42	23.62	23.57	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		
20	QPSK	1	1	23.38	23.59	23.58	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3707.52	3750	3792.48	(dBm)		
15	QPSK	1	1	23.44	23.67	23.56	24.5	0.0	
Channel				348993	350000	352005	Turnup Int.		
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1	23.48	23.68	23.62	24.5	0.0	



Full&Default Power Mode UL MIMO

n2				Ant 2			Ant 3			Ant 2+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1676	1680	1680	1676	1680	1680	1676	1680	1680			
40	PIC BPSK	1	1	22.90	23.00	23.05	22.48	22.57	22.60	25.71	25.80	25.79	27.0	0.0	
40	PIC BPSK	1	108	22.98	23.05	22.95	22.50	22.52	22.50	25.76	25.80	25.74			
40	PIC BPSK	1	214	23.07	23.09	22.96	22.52	22.58	22.50	25.81	25.84	25.76			
40	PIC BPSK	108	0	21.81	21.70	21.62	21.59	21.65	21.53	24.61	24.69	24.59	26.0	1.0	
40	PIC BPSK	108	54	22.78	22.80	22.73	22.46	22.55	22.42	25.63	25.69	25.59	27.0	0.0	
40	PIC BPSK	108	108	21.79	21.80	21.72	21.61	21.72	21.57	24.71	24.77	24.66	26.0	1.0	
40	PIC BPSK	214	0	21.76	21.85	21.73	21.66	21.69	21.56	24.74	24.80	24.66			
40	QPSK	1	1	23.03	23.12	23.10	22.52	22.60	22.55	25.79	25.88	25.84			
40	QPSK	1	108	23.00	23.06	23.05	22.49	22.57	22.43	25.76	25.84	25.76	27.0	0.0	
40	QPSK	1	214	23.01	23.10	22.96	22.40	22.50	22.35	25.73	25.82	25.68			
40	QPSK	108	0	21.13	21.15	21.11	21.12	21.17	21.07	24.14	24.17	24.10	25.5	1.5	
40	QPSK	108	54	22.91	22.96	22.91	22.37	22.52	22.41	25.61	25.76	25.72	27.0	0.0	
40	QPSK	108	108	21.09	21.19	21.16	21.13	21.15	21.00	24.12	24.18	24.00	25.5	1.5	
40	QPSK	216	0	21.13	21.20	21.14	21.17	21.20	21.16	24.16	24.21	24.16			
40	16QAM	1	1	21.58	21.65	21.60	21.06	21.16	21.05	24.34	24.42	24.34	25.5	1.5	
40	64QAM	1	1	19.86	20.00	19.99	19.51	19.66	19.51	22.70	22.84	22.77	24.5	2.5	
40	256QAM	1	1	17.66	17.79	17.61	17.09	17.66	17.58	20.61	20.69	20.61	23.5	4.5	

n2				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1676	1680	1680	1676	1680	1680	1676	1680	1680			
40	PIC BPSK	1	1	22.80	23.00	23.05	22.76	22.90	22.77	25.84	25.96	25.92	27.0	0.0	
40	PIC BPSK	1	108	22.98	23.05	22.95	22.74	22.83	22.77	25.87	25.95	25.87			
40	PIC BPSK	1	214	23.07	23.09	22.96	22.83	22.85	22.84	25.96	25.98	25.91			
40	PIC BPSK	108	0	21.61	21.70	21.62	21.88	22.00	21.93	24.76	24.86	24.79	26.0	1.0	
40	PIC BPSK	108	54	22.78	22.80	22.73	22.76	22.86	22.76	25.78	25.84	25.76	27.0	0.0	
40	PIC BPSK	108	108	21.79	21.80	21.72	21.85	21.98	21.86	24.83	24.90	24.85	26.0	1.0	
40	PIC BPSK	214	0	21.79	21.80	21.70	21.80	21.95	21.93	24.81	24.93	24.84			
40	QPSK	1	1	23.03	23.12	23.10	22.63	22.95	22.93	25.97	26.05	26.03			
40	QPSK	1	108	23.00	23.06	23.05	22.77	22.89	22.82	25.90	26.00	25.95	27.0	0.0	
40	QPSK	1	214	23.01	23.10	22.96	22.80	22.85	22.73	25.92	25.99	25.86			
40	QPSK	108	0	21.13	21.15	21.11	21.54	21.57	21.56	24.35	24.38	24.35	25.5	1.5	
40	QPSK	108	54	22.91	22.96	22.91	22.71	22.91	22.86	25.86	25.95	25.91	27.0	0.0	
40	QPSK	108	108	21.09	21.19	21.16	21.57	21.65	21.52	24.35	24.44	24.35	25.5	1.5	
40	QPSK	216	0	21.13	21.20	21.14	21.52	21.60	21.51	24.34	24.41	24.34			
40	16QAM	1	1	21.58	21.65	21.60	21.79	21.87	21.80	24.70	24.77	24.71	25.5	1.5	
40	64QAM	1	1	19.86	20.00	19.99	20.34	20.35	20.27	23.12	23.19	23.14	24.5	2.5	
40	256QAM	1	1	17.66	17.79	17.61	17.62	17.67	17.66	20.72	20.85	20.80	22.5	4.5	



n2				Ant 0			Ant 3			Ant 0+3					Tune-up limit (dB)	MPR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.						
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000						
Frequency (MHz)				1670	1680	1690	1670	1680	1690	1670	1680	1690						
40	PL2 BPSK	1	1	22.78	22.86	22.79	22.48	22.57	22.50	25.64	25.73	25.66	27.0	0.0				
40	PL2 BPSK	1	108	22.66	22.75	22.60	22.50	22.52	22.50	25.59	25.65	25.56						
40	PL2 BPSK	1	214	22.69	22.80	22.68	22.52	22.56	22.50	25.62	25.69	25.60						
40	PL2 BPSK	108	0	21.61	21.62	21.56	21.59	21.65	21.53	24.61	24.65	24.58	26.0	1.0				
40	PL2 BPSK	108	54	22.83	22.88	22.74	22.46	22.55	22.42	25.66	25.73	25.59	27.0	0.0				
40	PL2 BPSK	108	108	21.56	21.70	21.64	21.61	21.72	21.57	24.60	24.72	24.62	26.0	1.0				
40	PL2 BPSK	216	0	21.59	21.66	21.53	21.66	21.69	21.56	24.64	24.69	24.58						
40	QPSK	1	1	22.64	22.90	22.80	22.50	22.60	22.55	25.69	25.76	25.73						
40	QPSK	1	108	22.83	22.86	22.72	22.49	22.57	22.43	25.67	25.73	25.59	27.0	0.0				
40	QPSK	1	214	22.70	22.80	22.78	22.40	22.50	22.35	25.56	25.66	25.58	25.5	1.5				
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.59	24.64	24.35						
40	QPSK	108	54	22.61	22.65	22.70	22.37	22.52	22.31	23.51	23.70	23.45						
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.15	21.00	24.39	24.44	24.35	25.5	1.5				
40	QPSK	216	0	21.62	21.65	21.53	21.17	21.20	21.16	24.41	24.44	24.38						
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.16	21.05	24.40	24.53	24.41						
40	16QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94	24.5	2.5				
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	4.5				

n2				Ant 0			Ant 1			Ant 0+1					Tune-up limit (dB)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.			Power High Ch. / Freq.
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000	374000	376000	378000		
Frequency (MHz)				1670	1680	1690	1670	1680	1690	1670	1680	1690	1670	1680	1690		
40	PL2 BPSK	1	1	22.78	22.86	22.79	22.56	22.70	22.57	25.68	25.79	25.69	27.0	0.0			
40	PL2 BPSK	1	108	22.66	22.75	22.60	22.54	22.63	22.57	25.61	25.70	25.60					
40	PL2 BPSK	1	214	22.69	22.80	22.68	22.63	22.65	22.64	25.67	25.74	25.67					
40	PL2 BPSK	108	0	21.61	21.62	21.56	21.68	21.80	21.73	24.66	24.72	24.66	26.0	1.0			
40	PL2 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0			
40	PL2 BPSK	108	108	21.56	21.70	21.64	21.65	21.76	21.76	24.62	24.75	24.71	26.0	1.0			
40	PL2 BPSK	216	0	21.59	21.66	21.53	21.60	21.75	21.73	24.61	24.72	24.54					
40	QPSK	1	1	22.64	22.90	22.80	22.68	22.75	22.73	25.71	25.84	25.62					
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.69	22.62	25.71	25.79	25.68	27.0	0.0			
40	QPSK	1	214	22.70	22.80	22.78	22.60	22.65	22.53	25.66	25.74	25.67	25.5	1.5			
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.26	24.50	24.63	24.50					
40	QPSK	108	54	22.61	22.65	22.70	22.37	22.71	22.60	25.70	25.73	25.70					
40	QPSK	108	108	21.62	21.70	21.66	21.37	21.45	21.32	24.51	24.69	24.50	25.5	1.5			
40	QPSK	216	0	21.62	21.65	21.53	21.32	21.40	21.31	24.48	24.54	24.43					
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.66	24.77	24.67					
40	16QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	2.5			
40	256QAM	1	1	17.97	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	4.5			

n25				Ant 2			Ant 3			Ant 2+3					Turn-up limit (dB)	MPR (dB)		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.						
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000						
Frequency (MHz)				1670	1662.5	1665	1670	1662.5	1665	1670	1662.5	1665						
40	PI2 BPSK	1	1	23.09	23.12	23.09	22.76	22.84	22.79	23.04	23.09	23.05	27.0	0.0				
40	PI2 BPSK	1	108	23.05	23.10	23.05	22.76	22.80	22.79	23.07	23.06	23.06						
40	PI2 BPSK	1	214	23.05	23.17	23.11	22.62	22.76	22.73	23.05	23.08	23.03						
40	PI2 BPSK	108	0	21.89	21.96	21.81	21.63	21.87	21.82	24.77	24.83	24.73	26.0	1.0				
40	PI2 BPSK	108	54	23.05	23.14	23.00	22.77	22.82	22.71	23.02	23.09	23.07	27.0	0.0				
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.60	21.75	21.71	24.74	24.84	24.75	26.0	1.0				
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.61	21.70	21.63	24.71	24.79	24.70						
40	QPSK	1	1	23.11	23.20	23.10	22.05	22.68	22.63	23.09	26.05	26.02						
40	QPSK	1	108	23.05	23.13	22.99	22.70	22.83	22.80	23.09	23.09	23.01	27.0	0.0				
40	QPSK	1	214	23.00	23.10	23.01	22.70	22.80	22.79	23.06	23.06	23.01	25.5	1.5				
40	QPSK	108	0	21.40	21.55	21.47	21.09	21.17	21.14	24.30	24.37	24.32						
40	QPSK	108	54	23.06	23.10	23.00	22.77	22.79	22.71	23.02	23.05	23.07						
40	QPSK	108	108	21.44	21.50	21.35	21.09	21.13	21.09	24.28	24.33	24.23	25.5	1.5				
40	QPSK	216	0	21.43	21.45	21.30	21.02	21.15	21.04	24.24	24.31	24.18						
40	16QAM	1	1	21.54	21.66	21.54	21.15	21.30	21.18	24.36	24.49	24.37						
40	16QAM	1	1	20.22	20.25	20.14	19.84	19.88	19.77	23.04	23.08	22.97	24.5	2.5				
40	256QAM	1	1	17.68	17.80	17.69	17.51	17.66	17.58	20.81	20.74	20.84	22.5	4.5				

n25				Ant 2			Ant 1			Ant 2+1					Turn-up limit (dB)	MPR (dB)
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.				
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000				
Frequency (MHz)				1670	1662.5	1665	1670	1662.5	1665	1670	1662.5	1665				
40	PI2 BPSK	1	1	23.09	23.12	23.09	23.26	23.04	23.02	26.10	26.05	26.32	27.0	0.0		
40	PI2 BPSK	1	108	22.95	23.10	22.95	22.87	23.15	23.12	25.50	25.14	26.05				
40	PI2 BPSK	1	214	23.05	23.17	23.11	22.73	23.03	23.04	23.90	26.11	26.09				
40	PI2 BPSK	108	0	21.89	21.96	21.81	21.87	22.12	22.10	24.80	25.05	24.97	26.0	1.0		
40	PI2 BPSK	108	54	23.05	23.14	23.00	22.82	23.10	23.09	23.95	26.13	26.06	27.0	0.0		
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.84	22.21	22.22	24.91	25.07	25.01	26.0	1.0		
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.81	22.11	22.08	24.81	24.99	24.92				
40	QPSK	1	1	23.11	23.20	23.10	23.33	23.02	23.01	26.23	26.43	26.42				
40	QPSK	1	108	23.05	23.13	22.99	23.18	23.43	23.39	26.13	26.29	26.20	27.0	0.0		
40	QPSK	1	214	23.00	23.10	23.01	23.24	23.52	23.53	26.13	26.33	26.29	25.5	1.5		
40	QPSK	108	0	21.49	21.55	21.47	21.17	21.45	21.45	24.34	24.51	24.47				
40	QPSK	108	54	23.06	23.10	23.00	23.17	23.42	23.39	26.13	26.27	26.26				
40	QPSK	108	108	21.44	21.50	21.35	21.22	21.52	21.49	24.34	24.52	24.43	25.5	1.5		
40	QPSK	216	0	21.43	21.45	21.30	21.16	21.43	21.40	24.31	24.45	24.36				
40	16QAM	1	1	21.54	21.66	21.54	21.55	21.83	21.79	24.56	24.76	24.68				
40	16QAM	1	1	20.22	20.25	20.14	20.10	20.40	20.40	23.17	23.34	23.28	24.5	2.5		
40	256QAM	1	1	17.68	17.68	17.68	17.77	18.03	18.02	20.74	20.93	20.87	22.5	4.5		



n25				Ant 0			Ant 3			Ant 0+3					Turn-up limit (dB)	MPR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.						
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000						
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895						
40	PI2 BPSK	1	1	23.23	23.63	23.97	22.88	22.94	22.89	26.06	26.31	26.25	27.0	0.0				
40	PI2 BPSK	1	108	23.34	23.46	23.43	22.76	22.80	22.79	25.91	26.15	26.13						
40	PI2 BPSK	1	214	23.21	23.61	23.54	22.62	22.76	22.73	25.94	26.22	26.16						
40	PI2 BPSK	108	0	21.99	22.38	22.33	21.63	21.87	21.82	24.82	25.05	25.00	26.0	1.0				
40	PI2 BPSK	108	54	22.96	23.37	23.33	22.77	22.82	22.71	25.89	26.11	26.04	27.0	0.0				
40	PI2 BPSK	108	108	22.07	22.45	22.42	21.60	21.75	21.71	24.85	25.12	25.09	26.0	1.0				
40	PI2 BPSK	216	0	22.00	22.40	22.33	21.61	21.70	21.63	24.82	25.07	25.00						
40	QPSK	1	1	23.25	23.67	23.64	22.05	22.68	22.63	26.11	26.35	26.31						
40	QPSK	1	108	23.19	23.59	23.53	22.70	22.83	22.80	25.96	26.24	26.19	27.0	0.0				
40	QPSK	1	214	23.19	23.62	23.57	22.70	22.80	22.79	25.96	26.24	26.21						
40	QPSK	108	0	21.17	21.55	21.47	21.09	21.17	21.14	24.14	24.37	24.32	25.5	1.5				
40	QPSK	108	54	21.68	22.38	22.33	21.77	22.76	22.71	25.29	26.11	26.05	27.0	0.0				
40	QPSK	108	108	21.34	21.72	21.68	21.09	21.13	21.09	24.23	24.45	24.41	25.5	1.5				
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34						
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64	25.5	1.5				
40	16QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18	24.5	2.5				
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.02	20.09	20.00	22.5	4.5				

n25				Ant 0			Ant 1			Ant 0+1					Turn-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000				
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895				
40	PI2 BPSK	1	1	23.06	23.10	23.02	22.65	23.04	22.91	26.02	26.08	25.98	27.0	0.0		
40	PI2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.65	25.88	25.90	25.86				
40	PI2 BPSK	1	214	23.01	23.02	22.97	22.65	22.76	22.68	25.94	25.90	25.83				
40	PI2 BPSK	108	0	22.51	22.80	22.59	22.02	22.12	22.01	25.28	25.38	25.32	26.0	1.0		
40	PI2 BPSK	108	54	23.10	23.11	23.04	22.53	22.64	22.52	25.83	25.89	25.80	27.0	0.0		
40	PI2 BPSK	108	108	22.44	22.53	22.38	22.11	22.17	22.03	25.29	25.36	25.22	26.0	1.0		
40	PI2 BPSK	216	0	22.53	22.55	22.41	22.07	22.19	22.03	25.30	25.32	25.38				
40	QPSK	1	1	23.18	23.20	23.07	22.58	23.08	22.95	26.10	26.15	26.03				
40	QPSK	1	108	23.03	23.14	23.01	22.81	22.92	22.77	25.93	26.04	25.90	27.0	0.0		
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95				
40	QPSK	108	0	21.99	22.08	22.00	21.35	21.43	21.28	24.69	24.78	24.67	25.5	1.5		
40	QPSK	108	54	21.86	23.10	23.03	22.27	22.87	22.77	25.89	26.00	25.91	27.0	0.0		
40	QPSK	108	108	21.94	22.05	21.96	21.49	21.55	21.40	24.73	24.82	24.70	26.5	1.5		
40	QPSK	216	0	21.89	21.80	21.75	21.36	21.45	21.31	24.64	24.64	24.55				
40	16QAM	1	1	22.08	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01	25.5	1.5		
40	16QAM	1	1	20.58	20.58	20.47	20.41	20.51	20.37	23.60	23.65	23.43	24.5	2.5		
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.80	21.10	20.98	22.5	4.5		



n66				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				348000	349000	350000	348000	349000	350000	348000	349000	350000	27.0	0.0
Frequency (MHz)				1736	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	22.10	22.25	22.11	22.81	22.86	22.81	25.48	25.63	25.48	27.0	0.0
40	PI2 BPSK	1	108	22.17	22.18	22.11	22.80	22.80	22.80	25.51	25.57	25.48		
40	PI2 BPSK	1	214	22.21	22.22	22.11	22.90	22.84	22.84	25.58	25.61	25.50		
40	PI2 BPSK	108	0	22.07	22.15	22.00	21.62	21.70	21.62	24.86	24.94	24.82	26.0	1.0
40	PI2 BPSK	108	54	23.09	23.17	23.10	22.88	22.93	22.85	26.00	26.06	25.99	27.0	0.0
40	PI2 BPSK	108	108	21.96	22.10	22.09	21.58	21.65	21.60	24.78	24.89	24.82	26.0	1.0
40	PI2 BPSK	214	0	22.18	22.20	22.17	21.55	21.69	21.61	24.90	24.96	24.91		
40	QPSK	1	1	23.24	23.30	23.25	22.95	23.00	22.98	26.11	26.16	26.14		
40	QPSK	1	108	23.14	23.19	23.08	22.75	22.90	22.81	25.98	26.06	25.95	27.0	0.0
40	QPSK	1	214	23.13	23.15	23.08	22.88	22.93	22.78	26.02	26.05	25.94		
40	QPSK	108	0	21.59	21.68	21.51	21.13	21.16	21.01	24.38	24.43	24.28		
40	QPSK	108	54	23.11	23.20	23.15	22.85	22.90	22.84	25.98	26.05	25.96	27.0	0.0
40	QPSK	108	108	21.60	21.65	21.63	21.07	21.12	21.08	24.30	24.40	24.36	25.5	1.5
40	QPSK	216	0	21.95	21.90	21.49	21.07	21.15	21.00	24.33	24.38	24.26		
40	16QAM	1	1	21.88	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46		
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.61	23.68	23.64	24.5	2.5
40	256QAM	1	1	17.52	17.66	17.58	17.27	17.60	17.60	20.58	20.64	20.57	23.5	4.5

n66				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				348000	349000	350000	348000	349000	350000	348000	349000	350000	27.0	0.0
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	23.25	23.32	23.26	23.28	23.67	23.64	26.28	26.51	26.46	27.0	0.0
40	PI2 BPSK	1	108	23.29	23.38	23.33	23.41	23.78	23.73	26.36	26.59	26.54		
40	PI2 BPSK	1	214	23.29	23.35	23.30	23.12	23.54	23.48	26.22	26.46	26.40		
40	PI2 BPSK	108	0	22.04	22.09	22.01	22.14	22.55	22.49	25.10	25.34	25.27	26.0	1.0
40	PI2 BPSK	108	54	23.17	23.22	23.17	23.13	23.52	23.49	26.16	26.38	26.34	27.0	0.0
40	PI2 BPSK	108	108	22.05	22.12	22.07	22.14	22.56	22.52	25.11	25.36	25.31	26.0	1.0
40	PI2 BPSK	214	0	22.06	22.14	22.07	22.00	22.42	22.41	25.04	25.29	25.25		
40	QPSK	1	1	23.33	23.39	23.33	23.41	23.81	23.76	26.08	26.62	26.59		
40	QPSK	1	108	23.22	23.31	23.23	23.32	23.74	23.73	26.28	26.94	26.90	27.0	0.0
40	QPSK	1	214	23.30	23.36	23.28	23.34	23.76	23.70	26.33	26.57	26.51		
40	QPSK	108	0	21.24	21.30	21.27	21.29	21.68	21.64	24.28	24.50	24.47		
40	QPSK	108	54	23.29	23.37	23.31	23.31	23.70	23.66	26.31	26.55	26.51	27.0	0.0
40	QPSK	108	108	21.35	21.42	21.38	21.36	21.75	21.69	24.37	24.60	24.55	25.5	1.5
40	QPSK	216	0	21.22	21.30	21.24	21.30	21.68	21.67	24.27	24.50	24.47		
40	16QAM	1	1	21.66	21.72	21.64	21.76	22.14	22.11	24.72	24.95	24.89		
40	64QAM	1	1	20.16	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40	24.5	2.5
40	256QAM	1	1	17.65	17.64	17.67	17.74	18.12	18.11	20.66	20.90	20.96	22.5	4.5



n66				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				348000	349000	350000	348000	349000	350000	348000	349000	350000			
Frequency (MHz)				1736	1745	1760	1730	1745	1760	1730	1745	1760			
40	P12 BPSK	1	1	23.38	23.48	23.39	22.81	22.98	22.81	26.11	26.24	26.12	27.0	0.0	
40	P12 BPSK	1	108	23.34	23.45	23.39	22.80	22.90	22.80	26.09	26.19	26.11			
40	P12 BPSK	1	214	23.30	23.40	23.35	22.80	22.84	22.84	26.11	26.19	26.11			
40	P12 BPSK	108	0	22.88	22.89	22.07	21.62	21.70	21.62	26.19	26.23	26.19	26.0	1.0	
40	P12 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0	
40	P12 BPSK	108	108	22.80	22.65	22.07	21.58	21.65	21.60	26.13	26.19	26.08	26.0	1.0	
40	P12 BPSK	214	0	22.89	22.70	22.07	21.55	21.69	21.61	26.17	26.23	26.13			
40	QPSK	1	1	23.45	23.50	23.43	22.95	23.00	22.98	26.22	26.27	26.22			
40	QPSK	1	108	23.37	23.44	23.39	22.75	22.90	22.81	26.08	26.19	26.12	27.0	0.0	
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.79	26.09	26.18	26.05			
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54	25.5	1.5	
40	QPSK	108	54	23.34	23.45	23.35	22.85	22.89	22.84	26.19	26.19	26.13	27.0	0.0	
40	QPSK	108	108	22.00	22.15	22.02	21.07	21.12	21.08	24.67	24.68	24.68	25.5	1.5	
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.15	21.00	24.64	24.72	24.58			
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76	26.5	1.5	
40	64QAM	1	1	20.85	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	2.5	
40	256QAM	1	1	18.08	18.23	18.17	17.07	17.60	17.60	20.94	20.94	20.88	22.5	4.5	

n66				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				348000	349000	350000	348000	349000	350000	348000	349000	350000			
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	P12 BPSK	1	1	23.39	23.52	23.43	23.30	23.37	23.31	26.36	26.46	26.38	27.0	0.0	
40	P12 BPSK	1	108	23.35	23.40	23.36	23.26	23.35	23.28	26.31	26.43	26.33			
40	P12 BPSK	1	214	23.34	23.47	23.40	23.26	23.33	23.24	26.31	26.41	26.33			
40	P12 BPSK	108	0	22.79	22.91	22.83	22.67	22.75	22.68	25.74	25.84	25.77	26.0	1.0	
40	P12 BPSK	108	54	23.30	23.43	23.36	23.18	23.23	23.15	26.25	26.34	26.27	27.0	0.0	
40	P12 BPSK	108	108	22.70	22.85	22.75	22.46	22.51	22.42	25.59	25.69	25.61	26.0	1.0	
40	P12 BPSK	214	0	22.81	22.90	22.83	22.44	22.52	22.48	25.64	25.75	25.67			
40	QPSK	1	1	23.44	23.59	23.50	23.30	23.41	23.37	26.41	26.51	26.45			
40	QPSK	1	108	23.39	23.54	23.42	23.28	23.36	23.28	26.35	26.46	26.36	27.0	0.0	
40	QPSK	1	214	23.35	23.51	23.39	23.32	23.40	23.32	26.35	26.47	26.37			
40	QPSK	108	0	21.53	22.07	21.98	21.74	21.82	21.75	24.65	24.96	24.88	25.5	1.5	
40	QPSK	108	54	23.34	23.45	23.37	23.25	23.27	23.19	26.36	26.39	26.31	27.0	0.0	
40	QPSK	108	108	21.87	22.01	21.90	21.65	21.72	21.64	24.77	24.88	24.79	25.5	1.5	
40	QPSK	216	0	21.39	21.42	21.33	21.15	21.20	21.11	24.24	24.32	24.23			
40	16QAM	1	1	22.25	22.36	22.24	22.23	22.27	22.20	25.25	25.33	25.23	25.5	1.5	
40	64QAM	1	1	20.61	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80	24.5	2.5	
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	4.5	



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]
Channel				500202	518508	528000	500202	518508	528000	500202	518508	528000
Frequency [MHz]				2245.81	2322.83	2400	2245.81	2322.83	2400	2245.81	2322.83	2400
100	PI2 BPSK	1	1	22.85	23.38	23.23	22.85	22.91	22.85	25.74	26.15	26.06
100	PI2 BPSK	1	137	22.76	23.20	23.18	22.83	22.82	22.78	26.71	26.02	25.96
100	PI2 BPSK	1	271	22.66	23.02	23.08	22.81	22.68	22.77	25.57	25.86	25.84
100	PI2 BPSK	135	6	22.68	23.15	23.12	22.46	22.73	22.83	25.37	25.86	25.89
100	PI2 BPSK	135	86	22.72	23.27	23.32	22.83	22.77	22.81	25.89	26.04	26.08
100	PI2 BPSK	135	158	22.61	23.03	23.15	22.41	22.66	22.66	25.52	25.86	25.88
100	PI2 BPSK	270	6	22.59	23.16	23.22	22.57	22.68	22.65	25.39	25.84	25.93
100	QPSK	1	1	22.20	23.44	23.17	22.77	22.94	22.62	22.37	26.20	26.12
100	QPSK	1	137	22.76	23.38	23.29	22.68	22.91	22.79	26.86	26.12	26.06
100	QPSK	1	271	22.75	23.15	23.17	22.58	22.76	22.77	25.68	25.86	25.86
100	QPSK	135	0	22.74	23.26	23.22	22.59	22.79	22.73	25.68	26.04	26.39
100	QPSK	135	86	22.62	23.35	23.24	22.56	22.66	22.64	26.14	26.12	26.12
100	QPSK	135	158	22.69	23.17	23.18	22.47	22.74	22.64	25.59	25.97	25.95
100	QPSK	270	0	22.69	23.27	23.24	22.85	22.83	22.72	25.88	26.07	26.03
100	16QAM	1	1	22.82	23.38	23.24	22.64	22.86	22.76	26.10	26.06	27.0
100	64QAM	1	1	22.90	23.36	23.26	22.82	22.81	22.74	26.79	26.15	26.07
100	256QAM	1	1	20.94	21.19	21.25	20.84	20.88	20.85	22.80	24.40	23.97

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]
Channel				500202	518508	528000	500202	518508	528000	500202	518508	528000
Frequency [MHz]				2245.81	2322.83	2400	2245.81	2322.83	2400	2245.81	2322.83	2400
100	PI2 BPSK	1	1	25.94	26.33	26.28	25.85	25.92	25.77	26.81	26.14	26.04
100	PI2 BPSK	1	137	25.24	25.61	25.57	25.05	25.32	25.19	26.16	26.48	26.39
100	PI2 BPSK	1	271	25.59	25.77	25.70	25.08	25.28	25.11	26.29	26.54	26.43
100	PI2 BPSK	135	6	24.65	24.84	24.78	24.24	24.52	24.37	27.42	27.69	27.59
100	PI2 BPSK	135	86	25.25	25.62	25.58	25.08	25.33	25.08	26.18	26.44	26.34
100	PI2 BPSK	135	158	24.52	24.73	24.71	24.25	24.51	24.35	27.49	27.65	27.53
100	PI2 BPSK	270	6	24.54	24.85	24.82	24.26	24.57	24.39	27.42	27.77	27.67
100	QPSK	1	1	26.03	26.40	26.40	25.02	25.12	25.04	26.02	26.29	26.16
100	QPSK	1	137	26.73	26.19	26.08	25.46	25.70	25.56	26.69	26.82	26.81
100	QPSK	1	271	25.95	25.96	25.94	25.25	25.46	25.31	26.41	26.74	26.65
100	QPSK	135	0	24.31	24.69	24.65	24.52	24.32	24.14	27.18	27.52	27.41
100	QPSK	135	86	24.54	25.07	24.99	24.26	24.52	24.31	27.46	27.67	27.57
100	QPSK	135	158	24.07	24.48	24.40	24.03	24.28	24.11	27.06	27.38	27.27
100	QPSK	270	0	24.25	24.64	24.60	24.54	24.20	24.03	27.16	27.44	27.33
100	16QAM	1	1	26.49	26.98	26.85	25.16	25.44	25.28	26.56	26.88	26.78
100	64QAM	1	1	26.35	26.73	26.71	25.15	25.46	25.33	26.27	26.61	26.52
100	256QAM	1	1	20.95	21.34	21.32	20.86	20.86	20.80	22.83	24.37	24.08



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up loss (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	252.64	254.61	254.61	252.64	254.61	254.61	252.64	254.61		
100	PQ2-BPSK	1	1	22.41	22.64	22.88	22.68	22.88	22.76	25.96	25.97	25.83		0.0
100	PQ2-BPSK	1	137	22.18	22.64	22.87	22.81	22.85	22.88	25.41	25.88	25.83		
100	PQ2-BPSK	1	271	22.15	22.67	22.85	22.47	22.77	22.84	25.32	25.73	25.73		
100	PQ2-BPSK	135	5	22.05	22.76	22.75	22.51	22.76	22.97	25.30	25.79	25.87	27.0	0.0
100	PQ2-BPSK	135	66	22.26	22.67	22.81	22.50	22.85	22.88	25.39	25.87	25.75	27.0	
100	PQ2-BPSK	135	138	22.05	22.67	22.89	22.35	22.69	22.46	25.19	25.87	25.88		0.0
100	PQ2-BPSK	255	5	22.21	22.83	22.82	22.43	22.77	22.76	25.33	25.80	25.85		
100	QPSK	1	1	22.44	22.64	22.82	22.29	22.85	22.81	25.82	26.09	25.85		
100	QPSK	1	137	22.38	22.64	22.81	22.67	22.88	22.78	25.51	25.96	25.96	27.0	0.0
100	QPSK	1	271	22.24	22.52	22.89	22.54	22.82	22.84	25.40	25.88	25.78		
100	QPSK	135	5	22.18	22.65	22.88	22.38	22.88	22.88	25.38	25.89	25.78	27.0	0.0
100	QPSK	135	66	22.44	22.65	22.88	22.44	22.85	22.84	25.87	25.85	25.85		0.0
100	QPSK	135	138	22.12	22.76	22.78	22.43	22.77	22.55	25.29	25.78	25.87	27.0	0.0
100	QPSK	255	5	22.27	22.85	22.85	22.53	22.83	22.81	25.41	25.82	25.84		
100	SSB-AM	1	1	22.46	22.64	22.88	22.29	22.88	22.77	25.89	25.97	25.97	27.0	0.0
100	SSB-AM	1	1	22.32	22.85	22.98	22.64	22.94	22.88	25.40	25.82	25.82	27.0	0.0
100	SSB-AM	1	1	26.35	24.14	25.11	26.39	26.78	26.88	21.09	23.88	24.08	24.45	26.5 1.5

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	FCC Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	FCC Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	FCC Power Hgh Ch. [Freq.]	Turn-up loss (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	252.64	254.61	254.61	252.64	254.61	254.61	252.64	254.61		
100	PQ2-BPSK	1	1	25.43	25.97	25.92	25.72	25.94	25.92	28.92	28.97	28.85		
100	PQ2-BPSK	1	137	25.04	25.46	25.40	25.02	25.17	25.03	28.04	28.33	28.23	30.0	0.0
100	PQ2-BPSK	1	271	25.01	25.45	25.40	25.03	25.18	25.03	28.03	28.32	28.23		
100	PQ2-BPSK	135	5	24.52	25.04	25.02	24.97	24.71	24.56	27.86	27.89	27.81	29.0	1.0
100	PQ2-BPSK	135	66	25.00	25.22	25.18	25.07	25.11	25.07	28.05	28.18	28.14	30.0	0.0
100	PQ2-BPSK	135	138	24.14	24.05	24.58	24.38	24.48	24.48	27.27	27.83	27.83	29.0	1.0
100	PQ2-BPSK	255	5	24.25	25.00	25.08	24.38	24.82	24.48	27.33	27.82	27.80		
100	QPSK	1	1	25.82	26.09	26.05	25.83	26.05	25.91	29.82	29.85	29.87		
100	QPSK	1	137	25.88	25.91	25.48	25.91	25.93	25.46	28.41	28.53	28.44	30.0	0.0
100	QPSK	1	271	25.00	25.44	25.40	25.19	25.42	25.27	28.11	28.44	28.35		
100	QPSK	135	5	24.09	24.01	24.37	24.37	24.37	24.44	27.24	27.80	27.52	28.5	1.8
100	QPSK	135	66	24.04	24.04	24.37	24.37	24.34	24.37	27.85	28.40	28.35	30.0	0.0
100	QPSK	135	138	24.01	24.35	24.28	24.09	24.20	24.10	27.08	27.29	27.21	30.0	1.0
100	QPSK	255	5	24.01	24.52	24.48	24.01	24.23	24.12	27.02	27.30	27.31		1.5
100	SSB-AM	1	1	25.85	26.38	25.51	25.38	25.54	25.42	28.00	28.56	28.43	30.0	1.8
100	SSB-AM	1	1	23.02	23.54	23.48	23.25	23.45	23.38	26.15	26.52	26.41	27.5	2.5
100	SSB-AM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.75	24.11	24.01	25.5	4.0



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.81	512.84	770.87	254.81	512.84	770.87	254.81	512.84	770.87		
100	PI2-BPSK	1	1	22.70	23.11	22.88	22.86	22.86	22.84	25.69	25.97	25.77		
100	PI2-BPSK	1	137	22.80	22.84	22.75	22.53	22.52	22.51	25.58	25.94	25.64	27.0	0.0
100	PI2-BPSK	1	271	22.80	22.84	22.73	22.45	22.76	22.43	25.54	25.81	25.59		
100	PI2-BPSK	135	5	22.49	22.86	22.75	22.47	22.85	22.55	25.49	25.89	25.64	27.0	0.0
100	PI2-BPSK	135	66	22.81	22.83	22.83	22.59	22.89	22.85	25.85	26.02	25.73	27.0	0.0
100	PI2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	25.38	25.82	25.62		0.0
100	PI2-BPSK	235	5	22.57	22.86	22.85	22.52	22.82	22.47	25.58	25.87	25.65		
100	QPSK	1	1	22.79	23.15	22.83	22.52	22.82	22.49	25.77	26.14	25.67		
100	QPSK	1	137	22.73	23.04	22.89	22.62	22.87	22.65	25.79	26.02	25.78	27.0	0.0
100	QPSK	1	271	22.85	22.92	22.75	22.54	22.83	22.51	25.83	25.89	25.85		
100	QPSK	135	5	22.58	23.04	22.85	22.59	22.87	22.59	25.57	26.02	25.73	27.0	0.0
100	QPSK	135	66	22.46	22.93	22.75	22.47	22.88	22.52	25.59	25.87	25.67	27.0	0.0
100	QPSK	135	138	22.46	22.97	22.75	22.45	22.88	22.52	25.44	25.91	25.65	27.0	0.0
100	QPSK	235	5	22.92	22.85	22.83	22.58	22.85	22.53	25.81	25.97	25.74		
100	SSB-AM	1	1	22.71	25.15	25.01	22.61	23.58	22.38	25.67	26.15	25.96	27.0	0.0
100	SSB-AM	1	1	22.79	23.13	23.05	22.62	23.02	22.65	25.72	26.09	25.84	27.0	0.0
100	SSB-AM	1	1	26.39	26.71	26.57	26.59	26.47	26.63	27.63	27.76	27.61	28.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	FCC Power Hgh Ch. [Freq.]	Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.81	512.84	770.87	254.81	512.84	770.87	254.81	512.84	770.87		
100	PI2-BPSK	1	1	25.82	26.15	25.92	25.73	25.05	25.73	28.79	29.19	28.84		
100	PI2-BPSK	1	137	25.32	25.58	25.39	25.19	25.52	25.09	28.26	28.46	28.21	30.0	0.0
100	PI2-BPSK	1	271	25.21	25.55	25.34	25.05	25.38	25.01	28.14	28.48	28.19		
100	PI2-BPSK	135	5	24.52	24.81	24.58	24.29	24.51	24.17	27.37	27.67	27.39	29.0	1.0
100	PI2-BPSK	135	66	25.22	25.52	25.34	25.12	25.26	25.15	28.17	28.40	28.28	30.0	0.0
100	PI2-BPSK	135	138	24.23	24.55	24.31	24.07	24.11	24.07	27.17	27.34	27.25	29.0	1.0
100	PI2-BPSK	235	5	24.38	24.71	24.51	24.17	24.50	24.16	27.59	27.82	27.55		
100	QPSK	1	1	25.82	26.39	25.95	25.81	25.14	25.79	28.84	29.17	28.89		
100	QPSK	1	137	25.79	26.07	25.88	25.69	25.69	25.78	28.78	28.98	28.71	30.0	0.0
100	QPSK	1	271	25.25	25.58	25.35	25.01	25.32	25.00	28.16	28.46	28.15		
100	QPSK	135	5	24.06	24.39	24.21	24.09	24.23	24.23	27.69	27.82	27.53	28.5	1.0
100	QPSK	135	66	24.55	24.88	24.68	24.35	24.52	24.17	27.69	27.82	27.55	29.0	0.0
100	QPSK	135	138	24.09	24.35	24.08	24.03	24.11	24.04	27.67	27.82	27.55	29.0	1.0
100	QPSK	235	5	24.02	24.25	24.08	24.21	24.25	24.23	27.13	27.25	27.17		
100	SSB-AM	1	1	25.85	26.33	25.95	25.89	25.98	25.94	28.99	29.27	28.93	30.0	1.0
100	SSB-AM	1	1	25.02	25.51	25.19	25.00	25.22	22.87	25.97	26.28	26.05	27.5	2.5
100	SSB-AM	1	1	29.38	29.78	29.59	29.67	29.76	29.83	29.63	29.78	29.62	29.5	4.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	253.24	254.44	254.61	253.24	254.44	254.61	253.24	254.44	254.61	
100	PQ2-BPSK	1	1	22.72	23.08	22.82	22.86	23.40	22.97	25.80	26.25	25.91		
100	PQ2-BPSK	1	137	22.71	22.60	22.81	22.71	23.26	22.88	25.72	26.09	25.88	27.0	0.0
100	PQ2-BPSK	1	271	22.64	22.65	22.83	22.71	23.12	22.76	25.89	26.04	25.81		
100	PQ2-BPSK	135	5	22.88	22.82	22.85	22.85	23.78	22.75	25.83	26.00	25.78	27.0	0.0
100	PQ2-BPSK	135	66	22.69	22.67	22.91	22.69	23.26	22.88	25.76	26.13	25.96	27.0	0.0
100	PQ2-BPSK	135	138	22.48	22.72	22.85	22.66	23.61	22.71	25.53	25.88	25.72		
100	PQ2-BPSK	255	5	22.82	22.78	22.81	22.85	23.12	22.81	25.85	25.95	25.82	27.0	0.0
100	QPSK	1	1	22.67	23.19	22.62	22.67	23.46	22.62	25.52	26.02	25.52		
100	QPSK	1	137	22.78	23.04	22.85	22.82	23.41	22.86	26.01	26.24	25.99	27.0	0.0
100	QPSK	1	271	22.76	23.02	22.83	22.76	23.26	22.82	25.74	26.14	25.84		
100	QPSK	135	5	22.75	22.81	22.83	22.69	23.23	22.83	25.73	26.08	25.84	27.0	0.0
100	QPSK	135	66	22.66	22.65	22.77	22.64	23.21	22.64	26.18	25.95	25.82	27.0	0.0
100	QPSK	135	138	22.63	22.79	22.76	22.81	23.13	22.81	25.83	25.97	25.85	27.0	0.0
100	QPSK	255	5	22.75	22.68	22.82	22.73	23.17	22.83	25.75	26.04	25.81	27.0	0.0
100	SSB-AM	1	1	22.81	23.10	22.86	22.83	23.46	22.88	26.26	25.92	25.9	27.0	0.0
100	SSB-AM	1	1	22.72	23.04	22.88	22.82	23.38	22.95	25.78	26.22	25.93	27.0	0.0
100	SSB-AM	1	1	26.30	26.75	26.53	26.52	27.63	26.57	27.52	27.89	27.88	28.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	253.24	254.44	254.61	253.24	254.44	254.61	253.24	254.44	254.61	
100	PQ2-BPSK	1	1	25.82	26.15	25.89	25.89	26.37	25.91	28.85	29.25	28.91		
100	PQ2-BPSK	1	137	25.38	25.65	25.42	25.08	25.60	25.15	28.25	28.64	28.30	30.0	0.0
100	PQ2-BPSK	1	271	25.30	25.39	25.40	25.04	25.53	25.08	28.18	28.57	28.25		
100	PQ2-BPSK	135	5	24.48	24.75	24.53	24.04	24.82	24.33	27.41	27.80	27.41	29.0	1.0
100	PQ2-BPSK	135	66	25.19	25.45	25.25	25.00	25.52	25.07	28.11	28.50	28.17	30.0	0.0
100	PQ2-BPSK	135	138	24.30	24.56	24.40	23.81	25.32	25.03	27.69	28.09	27.74	29.0	1.0
100	PQ2-BPSK	255	5	24.34	24.61	24.43	24.25	24.77	24.28	27.31	27.70	27.36		
100	QPSK	1	1	25.52	26.11	25.55	25.50	26.41	25.57	28.52	28.92	28.52		
100	QPSK	1	137	25.36	25.66	25.48	25.00	25.61	25.13	28.45	28.86	28.52	30.0	0.0
100	QPSK	1	271	25.26	25.52	25.29	25.11	25.93	25.47	28.35	28.74	28.39		
100	QPSK	135	5	24.03	24.29	24.05	24.02	24.44	24.00	27.64	27.38	27.54	28.5	1.0
100	QPSK	135	66	24.05	24.31	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.5	0.0
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.5	1.0
100	QPSK	255	5	24.03	24.25	24.09	24.03	24.55	24.07	27.65	27.45	27.59	28.5	1.0
100	SSB-AM	1	1	26.91	26.22	26.57	26.39	25.52	26.36	27.97	26.58	26.69	29.0	1.0
100	SSB-AM	1	1	22.86	23.21	22.98	23.07	23.55	23.09	26.05	26.39	26.05	27.5	2.5
100	SSB-AM	1	1	26.30	26.77	26.54	26.58	27.08	26.84	26.55	26.94	26.60	28.5	4.0



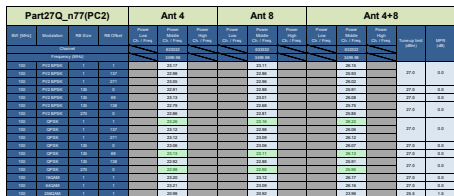
Part96_n48				Ant 4			Ant 8			Ant 4+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	24.0	0.0
Frequency (MHz)				19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98		
40	QPSK	1	1	19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98	24.0	0.0
40	QPSK	1	63	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48		
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59	22.5	1.5
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.89	20.99	21.11	21.02		
40	QPSK	53	27	19.97	19.93	19.98	19.23	19.32	19.19	22.57	22.65	22.54	24.0	0.0
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	1.5
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25		
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	23.5	0.5
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	2.5
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	4.5

Part96_n48				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	24.0	0.0
Frequency (MHz)				19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98		
40	QPSK	1	1	19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98	24.0	0.0
40	QPSK	1	53	19.82	19.78	19.79	18.01	18.09	18.05	22.02	22.03	22.02		
40	QPSK	1	104	19.84	19.81	19.78	17.98	18.10	18.04	22.02	22.05	22.01	22.5	1.5
40	QPSK	53	0	18.21	18.32	18.21	16.63	16.69	16.72	20.50	20.59	20.54		
40	QPSK	53	27	19.97	19.93	19.98	19.45	19.40	19.04	19.24	22.08	22.10	24.0	0.0
40	QPSK	53	53	18.29	18.34	18.29	16.64	16.70	16.63	20.55	20.61	20.55	22.5	1.5
40	QPSK	106	0	18.53	18.60	18.46	16.63	16.71	16.65	20.69	20.77	20.66		
40	16QAM	1	1	19.26	19.37	19.23	17.75	17.82	17.76	21.58	21.67	21.57	23.5	0.5
40	64QAM	1	1	17.34	17.36	17.31	15.75	15.81	15.73	19.63	19.66	19.60	21.5	2.5
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.91	17.95	17.90	19.5	4.5

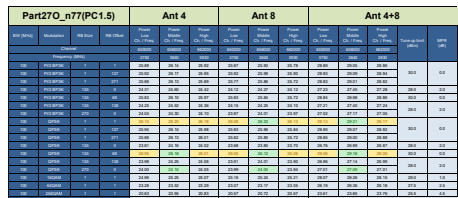


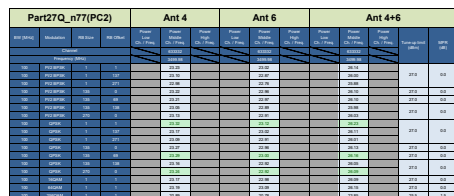
Part96_n48				Ant 3			Ant 8			Ant 3+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	24.0	0.0	
Frequency (MHz)				19.75	19.7499	19.7498	19.75	19.7499	19.7498	19.75	19.7499	19.7498			
40	QPSK	1	1	19.40	19.46	19.38	19.45	19.47	19.40	22.44	22.48	22.40			
40	QPSK	1	53	19.27	19.27	19.30	19.19	19.25	19.12	22.24	22.27	22.22			
40	QPSK	1	104	19.37	19.44	19.29	19.40	19.38	19.37	22.40	22.42	22.34	22.5	1.5	
40	QPSK	53	0	17.91	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.82			
40	QPSK	53	27	19.35	19.43	19.28	19.21	19.32	19.19	22.30	22.35	22.25		24.0	
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86			
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06		22.5	
40	16QAM	1	1	19.08	19.10	19.03	18.93	19.09	18.98	22.02	22.11	22.02			
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.87	16.77	19.86	19.94	19.82		21.5	
40	256QAM	1	1	14.72	14.69	14.67	14.66	14.64	14.57	17.65	17.68	17.63			

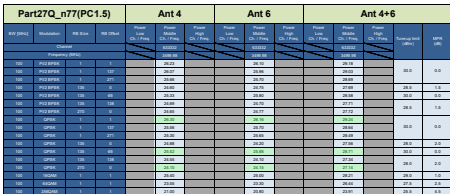
Part96_n48				Ant 3			Ant 6			Ant 3+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	24.0	0.0	
Frequency (MHz)				19.75	19.7499	19.7498	19.75	19.7499	19.7498	19.75	19.7499	19.7498			
40	QPSK	1	1	19.75	19.90	19.81	18.21	18.36	18.24	22.10	22.20	22.11			
40	QPSK	1	53	19.72	19.73	19.70	18.21	18.24	18.15	22.04	22.06	22.00			
40	QPSK	1	104	19.75	19.87	19.76	18.23	18.28	18.19	22.07	22.16	22.06	22.5	1.5	
40	QPSK	53	0	18.23	18.27	18.22	16.68	16.72	16.63	20.53	20.57	20.51			
40	QPSK	53	27	19.17	19.89	19.17	18.23	18.26	18.14	22.06	22.16	22.04		24.0	
40	QPSK	53	53	18.37	18.39	18.25	16.73	16.74	16.66	20.64	20.65	20.54			
40	QPSK	106	0	18.41	18.46	18.42	16.53	16.55	16.45	20.58	20.62	20.56		22.5	
40	16QAM	1	1	18.99	19.11	19.00	17.61	17.66	17.53	21.26	21.46	21.34		23.0	
40	64QAM	1	1	17.11	17.13	17.01	15.45	15.51	15.41	19.37	19.41	19.29			
40	256QAM	1	1	14.90	15.00	14.86	13.15	13.19	13.07	17.12	17.20	17.13			

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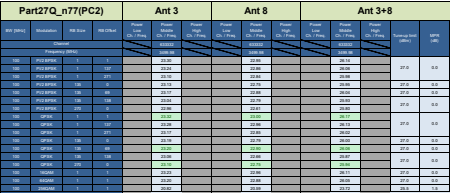


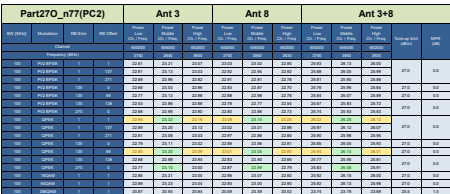


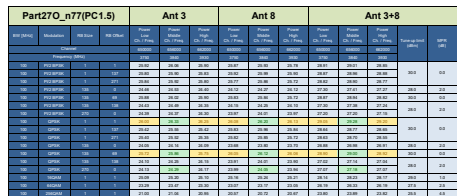


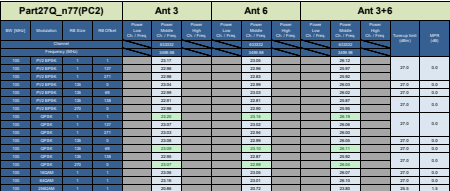
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[illegible]

Part27Q_n78				Ant 4			Ant 8			Ant 4+8			Turn-up limit (dBm)	MPR (dB)
RB [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency [MHz]				3469.98			3469.98			3469.98				
100	QPSK	1	1	22.30			22.15			25.24				
100	QPSK	1	137	22.17			22.10			25.15			27.0	
100	QPSK	1	271	22.24			22.12			25.19				
100	QPSK	137	0	20.98			20.04			23.33		25.0	2.0	
100	QPSK	137	68	22.15			22.00			25.09		27.0	0.0	
100	QPSK	137	136	20.74			20.18			23.48				
100	QPSK	273	0	20.96			20.12			23.41		25.0	2.0	
100	16QAM	1	1	21.54			21.41			24.49		26.0	1.0	
100	64QAM	1	1	20.07			19.75			22.92		24.5	2.5	
100	256QAM	1	1	17.07			16.81			19.95		21.5	5.5	

Part27O_n78				Ant 4			Ant 8			Ant 4+8			Turn-up limit (dBm)	MPR (dB)
RB [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				650000			650000			650000				
Frequency [MHz]				3750			3750			3750				
100	QPSK	1	1	22.16		22.17		25.18					27.0	0.0
100	QPSK	1	137	22.00		22.08		25.05						
100	QPSK	1	271	22.06		22.10		25.09						
100	QPSK	137	0	20.60		20.10		23.37		25.0			2.0	
100	QPSK	137	68	22.04		22.05		25.06		27.0			0.0	
100	QPSK	137	136	20.77		20.15		23.48		25.0			2.0	
100	QPSK	273	0	20.88		20.15		23.44		25.0			2.0	
100	16QAM	1	1	21.52		21.55		24.55		26.0			1.0	
100	64QAM	1	1	19.85		19.80		22.84		24.5			2.5	
100	256QAM	1	1	16.85		17.00		19.94		21.5			5.5	



Part270_n78				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)
Channel				650000			650000			650000			27.0	0.0
Frequency (MHz)				3190			3190			3190				
100	QPSK	1	1	22.16			22.18			25.18			27.0	0.0
100	QPSK	1	137	22.00			22.05			25.04				
100	QPSK	1	271	22.06			22.10			25.09			25.0	2.0
100	QPSK	137	0	20.60			20.60			23.56				
100	QPSK	137	68	22.04			22.07			25.07			27.0	0.0
100	QPSK	137	136	20.77			20.52			23.66				
100	QPSK	273	0	20.68			20.45			23.58			25.0	2.0
100	16QAM	1	1	21.52			21.60			24.57				
100	64QAM	1	1	19.85			19.96			22.92			24.5	2.5
100	256QAM	1	1	18.85			17.95			19.96				

RSS-192_n78				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	636666	640000	633334	636666	640000	633334	636666	640000	27.0	0.0
Frequency (MHz)				3600.01	3549.99	3600.01	3600.01	3549.99	3600.01	3600.01	3549.99	3600.01		
100	QPSK	1	1	22.25	22.42	22.20	22.17	22.20	22.13	25.32	25.32	25.18	27.0	0.0
100	QPSK	1	137	22.06	22.15	22.00	22.08	22.05	22.06	25.08	25.11	25.04		
100	QPSK	1	271	22.03	22.18	22.03	22.07	22.00	22.06	25.06	25.10	25.06	25.0	2.0
100	QPSK	137	0	20.41	20.51	20.38	20.02	20.10	20.09	23.23	23.32	23.25		
100	QPSK	137	68	22.06	22.10	22.01	22.05	22.10	22.03	25.08	25.11	25.05	27.0	0.0
100	QPSK	137	136	20.53	20.60	20.52	20.00	20.07	20.02	23.28	23.35	23.29		
100	QPSK	273	0	20.39	20.50	20.44	20.02	20.04	20.01	23.22	23.29	23.24	25.0	2.0
100	16QAM	1	1	21.62	21.70	21.68	21.43	21.45	21.33	24.54	24.59	24.52		
100	64QAM	1	1	19.98	20.12	20.01	20.27	20.30	20.18	23.14	23.22	23.11	24.5	2.5
100	256QAM	1	1	18.96	17.10	16.97	17.22	17.36	17.32	20.15	20.24	20.16		



Part27Q_n78				Ant 3			Ant 8			Ant 3+8				Tune-up limit (dbm)	MPR (db)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633332	633332	633332	633332	633332	633332	633332	633332	633332			
Frequency (MHz)				3499.98	3499.98	3499.98	3499.98	3499.98	3499.98	3499.98	3499.98	3499.98			
100	QPSK	1	1	22.15			22.15			25.18			27.0	0.0	
100	QPSK	1	137	22.06			22.10			25.09					
100	QPSK	1	271	22.01			22.12			25.08					
100	QPSK	137	0	20.40			20.04			23.23			25.0	2.0	
100	QPSK	137	68	22.00			22.00			25.01			27.0	0.0	
100	QPSK	137	136	20.48			20.18			23.34			25.0	2.0	
100	QPSK	273	0	20.30			20.12			23.22					
100	16QAM	1	1	21.56			21.41			24.48			26.0	1.0	
100	64QAM	1	1	20.00			19.75			22.89			24.5	2.5	
100	256QAM	1	1	17.00			16.81			19.96			21.5	5.5	

Part27O_n78				Ant 3			Ant 8			Ant 3+8				Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				650000	650000	650000	650000	650000	650000	650000	650000	650000			
Frequency (MHz)				3750	3750	3750	3750	3750	3750	3750	3750	3750			
100	QPSK	1	1	22.15			22.17			25.17			27.0	0.0	
100	QPSK	1	137	22.06			22.08			25.08					
100	QPSK	1	271	22.02			22.10			25.07					
100	QPSK	137	0	20.40			20.10			23.26			25.0	2.0	
100	QPSK	137	68	22.02			22.06			25.06			27.0	0.0	
100	QPSK	137	136	20.55			20.15			23.36			25.0	2.0	
100	QPSK	273	0	20.30			20.16			23.24					
100	16QAM	1	1	21.45			21.55			24.51			26.0	1.0	
100	64QAM	1	1	19.99			19.80			22.91			24.5	2.5	
100	256QAM	1	1	17.10			17.00			20.06			21.5	5.5	



Part27Q_n78				Ant 3			Ant 6			Ant 3+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633332			633332			633332					
Frequency (MHz)				3499.98			3499.98			3499.98					
100	QPSK	1	1	22.15			22.15			25.16			27.0	0.0	
100	QPSK	1	137	22.05			22.06			25.07					
100	QPSK	1	271	22.01			22.01			25.02					
100	QPSK	137	0	20.40			20.17			23.30			26.0	2.0	
100	QPSK	137	68	22.00			22.07			25.05			27.0	0.0	
100	QPSK	137	136	20.48			20.16			23.33			25.0	2.0	
100	QPSK	273	0	20.30			20.00			23.16					
100	16QAM	1	1	21.55			21.25			24.41			26.0	1.0	
100	64QAM	1	1	20.00			19.80			22.91			24.5	2.5	
100	256QAM	1	1	17.09			17.00			20.06			21.5	5.5	

Part27O_n78				Ant 3			Ant 6			Ant 3+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			650000			650000					
Frequency (MHz)				3750			3750			3750					
100	QPSK	1	1	22.15			22.18			25.18					
100	QPSK	1	137	22.06			22.05			25.07			27.0	0.0	
100	QPSK	1	271	22.02			22.10			25.07					
100	QPSK	137	0	20.40			20.50			23.46			26.0	2.0	
100	QPSK	137	68	22.02			22.07			25.06			27.0	0.0	
100	QPSK	137	136	20.55			20.52			23.55			25.0	2.0	
100	QPSK	273	0	20.30			20.45			23.39					
100	16QAM	1	1	21.45			21.60			24.54			26.0	1.0	
100	64QAM	1	1	19.99			19.96			22.99			24.5	2.5	
100	256QAM	1	1	17.10			17.05			20.09			21.5	5.5	



Reduced Power Mode for DS12 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3					Turn-up limit (dBm)	MPR (dB)		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.						
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000						
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890						
40	P12 BPSK	1	1	17.02	17.00	17.07	16.44	16.62	16.47	19.75	19.82	19.79	21.0	0.0				
40	P12 BPSK	1	108	16.97	17.00	17.09	16.48	16.61	16.48	19.74	19.82	19.81						
40	P12 BPSK	1	214	16.97	17.01	16.98	16.53	16.55	16.45	19.77	19.80	19.73						
40	P12 BPSK	108	0	16.94	17.07	17.08	16.52	16.59	16.59	19.75	19.85	19.85	21.0	0.0				
40	P12 BPSK	108	54	17.06	17.08	17.10	16.44	16.50	16.49	19.77	19.81	19.82	21.0	0.0				
40	P12 BPSK	108	108	17.05	17.05	17.00	16.44	16.60	16.52	19.77	19.84	19.78	21.0	0.0				
40	P12 BPSK	216	0	17.02	16.99	16.99	16.46	16.63	16.49	19.76	19.82	19.76	21.0	0.0				
40	QPSK	1	1	17.09	17.14	17.13	16.55	16.66	16.66	19.84	19.91	19.88						
40	QPSK	1	108	17.08	17.07	17.08	16.42	16.57	16.57	19.77	19.84	19.84						
40	QPSK	1	214	16.98	17.08	17.04	16.46	16.54	16.59	19.74	19.83	19.83	21.0	0.0				
40	QPSK	108	0	17.01	17.01	17.00	16.44	16.58	16.55	19.74	19.81	19.79						
40	QPSK	108	54	17.08	17.12	17.09	16.51	16.63	16.57	19.81	19.89	19.86						
40	QPSK	108	108	17.04	17.09	16.98	16.42	16.51	16.52	19.75	19.82	19.77	21.0	0.0				
40	QPSK	216	0	16.95	17.10	16.98	16.46	16.58	16.58	19.72	19.85	19.80	21.0	0.0				
40	16QAM	1	1	17.05	17.06	17.11	16.53	16.57	16.47	19.81	19.83	19.81						
40	64QAM	1	1	16.95	17.13	16.98	16.45	16.64	16.51	19.72	19.80	19.76						
40	256QAM	1	1	16.98	17.04	17.03	16.49	16.62	16.53	19.75	19.85	19.80	21.0	0.0				

n2				Ant 2			Ant 1			Ant 2+1					Turn-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				314000	314000	314000	314000	314000	314000	314000	314000	314000				
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890				
40	P12 BPSK	1	1	17.99	18.15	17.95	17.89	17.93	17.83	20.95	21.05	20.90	22.0	0.0		
40	P12 BPSK	1	108	17.90	18.09	18.03	17.88	17.82	17.81	20.90	20.97	20.93				
40	P12 BPSK	1	214	17.92	18.09	17.91	17.81	17.83	17.80	20.88	20.97	20.87				
40	P12 BPSK	108	0	17.97	18.08	17.90	17.81	17.80	17.86	20.90	20.95	20.89	22.0	0.0		
40	P12 BPSK	108	54	17.99	18.04	17.93	17.84	17.91	17.76	20.93	20.99	20.86	22.0	0.0		
40	P12 BPSK	108	108	17.91	18.08	18.03	17.81	17.82	17.84	20.87	20.96	20.95	22.0	0.0		
40	P12 BPSK	216	0	17.88	18.08	17.98	17.85	17.81	17.82	20.88	20.96	20.91				
40	QPSK	1	1	18.03	18.15	18.05	17.94	17.95	17.98	21.00	21.07	20.99				
40	QPSK	1	108	17.96	18.08	17.90	17.89	17.94	17.75	20.94	21.02	20.94	22.0	0.0		
40	QPSK	1	214	17.91	18.14	17.97	17.91	17.93	17.75	20.92	21.05	20.87				
40	QPSK	108	0	17.96	18.02	18.01	17.89	17.80	17.86	20.94	20.92	20.95				
40	QPSK	108	54	18.00	18.15	18.03	17.92	17.94	17.87	20.97	21.06	20.96	22.0	0.0		
40	QPSK	108	108	17.93	18.09	18.00	17.91	17.92	17.82	20.93	21.02	20.92	22.0	0.0		
40	QPSK	216	0	17.99	18.14	17.97	17.79	17.92	17.74	20.90	21.04	20.87				
40	16QAM	1	1	17.94	18.09	18.00	17.83	17.88	17.80	20.90	21.00	20.91				
40	64QAM	1	1	18.00	18.12	17.92	17.86	17.88	17.73	20.94	21.01	20.84	22.0	0.0		
40	256QAM	1	1	17.89	18.07	17.93	17.79	17.87	17.67	20.85	20.98	20.91	22.0	0.0		

n2				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	18.17	18.22	18.02	17.87	17.88	17.86	21.03	21.06	20.95	22.5	0.0
40	P12 BPSK	1	108	18.17	18.17	18.02	17.82	17.91	17.82	21.01	21.05	20.93		
40	P12 BPSK	1	214	18.17	18.21	18.04	17.79	17.93	17.79	20.99	21.08	20.93		
40	P12 BPSK	108	0	18.13	18.24	18.09	17.75	17.82	17.92	20.95	21.05	21.02	22.5	0.0
40	P12 BPSK	108	54	18.08	18.13	18.12	17.77	17.93	17.82	20.94	21.04	20.98	22.5	0.0
40	P12 BPSK	108	108	18.03	18.10	18.04	17.87	17.93	17.88	20.96	21.05	20.97	22.5	0.0
40	P12 BPSK	216	0	18.11	18.23	18.01	17.87	17.80	17.81	21.00	21.03	20.92	22.5	0.0
40	QPSK	1	1	18.18	18.26	18.16	17.86	17.95	17.94	21.04	21.13	21.09		
40	QPSK	1	108	18.08	18.26	18.14	17.75	17.83	17.91	20.93	21.06	21.04		
40	QPSK	1	214	18.17	18.25	18.02	17.78	17.87	17.87	20.99	21.07	20.96	22.5	0.0
40	QPSK	108	0	18.04	18.13	18.11	17.85	17.91	17.81	20.96	21.03	20.97		
40	QPSK	108	54	18.14	18.27	18.15	17.86	17.93	17.94	21.01	21.11	21.01		
40	QPSK	108	108	18.03	18.25	18.13	17.76	17.81	17.81	20.91	21.05	20.98	22.5	0.0
40	QPSK	216	0	18.03	18.23	18.04	17.75	17.82	17.81	20.90	21.09	20.94	22.5	0.0
40	16QAM	1	1	18.08	18.26	18.09	17.76	17.86	17.80	20.92	21.07	20.96	22.5	0.0
40	64QAM	1	1	18.07	18.17	18.03	17.83	17.93	17.87	20.96	21.06	20.96	22.5	0.0
40	256QAM	1	1	18.17	18.16	18.04	17.78	17.86	17.86	20.99	21.03	20.96	22.5	0.0

n2				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	22.78	22.86	22.79	22.56	22.70	22.57	25.68	25.79	25.69	27.0	0.0
40	P12 BPSK	1	108	22.66	22.75	22.60	22.54	22.63	22.57	25.61	25.70	25.60		
40	P12 BPSK	1	214	22.69	22.80	22.68	22.63	22.65	22.64	25.67	25.74	25.67		
40	P12 BPSK	108	0	21.81	21.62	21.56	21.68	21.90	21.73	24.66	24.72	24.66	26.0	1.0
40	P12 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0
40	P12 BPSK	108	108	21.56	21.70	21.64	21.65	21.78	21.76	24.62	24.75	24.71	26.0	1.0
40	P12 BPSK	216	0	21.59	21.66	21.53	21.60	21.75	21.73	24.61	24.72	24.64		
40	QPSK	1	1	22.84	22.90	22.89	22.66	22.75	22.73	25.77	25.84	25.82		
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.66	22.62	25.71	25.79	25.69	27.0	0.0
40	QPSK	1	214	22.70	22.80	22.78	22.60	22.65	22.53	25.66	25.74	25.67		
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.36	24.50	24.63	24.50	25.5	1.5
40	QPSK	108	54	22.81	22.85	22.70	22.57	22.71	22.69	25.70	25.79	25.71	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.37	21.45	21.32	24.51	24.59	24.50	25.5	1.5
40	QPSK	216	0	21.62	21.65	21.53	21.32	21.40	21.31	24.48	24.54	24.43	25.5	1.5
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.66	24.77	24.67		
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	2.5
40	256QAM	1	1	17.97	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	4.5

n25				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	319000	314500	316500	319000	314500	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	P12 BPSK	1	1	16.88	17.07	17.03	16.76	16.75	16.70	19.88	19.92	19.88		
40	P12 BPSK	1	108	17.02	17.11	17.08	16.73	16.87	16.67	19.89	20.00	19.89	21.0	0.0
40	P12 BPSK	1	214	17.02	17.07	17.07	16.80	16.82	16.75	19.92	19.96	19.92		
40	P12 BPSK	108	0	17.01	17.19	17.09	16.73	16.82	16.71	19.88	20.02	19.91	21.0	0.0
40	P12 BPSK	108	54	17.01	17.18	17.11	16.69	16.86	16.77	19.86	20.03	19.95	21.0	0.0
40	P12 BPSK	108	108	17.11	17.08	17.05	16.72	16.77	16.88	19.93	19.93	19.88		
40	P12 BPSK	216	0	17.03	17.13	17.16	16.70	16.81	16.67	19.88	19.98	19.93	21.0	0.0
40	QPSK	1	1	17.02	17.05	17.16	16.94	16.96	16.82	19.99	20.05	20.01		
40	QPSK	1	108	16.96	17.12	17.14	16.79	16.83	16.77	19.90	19.99	19.87	21.0	0.0
40	QPSK	1	214	17.09	17.19	17.05	16.69	16.77	16.70	19.90	20.00	19.88		
40	QPSK	108	0	16.98	17.18	17.04	16.79	16.83	16.87	19.90	20.02	19.87	21.0	0.0
40	QPSK	108	54	17.05	17.19	17.16	16.80	16.95	16.81	19.91	20.03	20.05	21.0	0.0
40	QPSK	108	108	16.87	17.15	17.15	16.76	16.76	16.79	19.88	19.97	19.88	21.0	0.0
40	QPSK	216	0	17.02	17.17	17.16	16.71	16.73	16.89	19.88	19.97	19.84		
40	16QAM	1	1	17.10	17.05	17.07	16.75	16.86	16.73	19.94	19.96	19.91	21.0	0.0
40	64QAM	1	1	17.06	17.18	17.12	16.71	16.75	16.87	19.90	19.98	19.91	21.0	0.0
40	256QAM	1	1	17.10	17.12	17.10	16.82	16.85	16.77	19.97	20.00	19.95	21.0	0.0

n25				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	319000	314500	316500	319000	314500	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	P12 BPSK	1	1	18.18	18.09	18.10	18.53	18.58	18.43	21.37	21.35	21.28		
40	P12 BPSK	1	108	18.04	18.10	18.12	18.45	18.59	18.47	21.26	21.36	21.31	22.0	0.0
40	P12 BPSK	1	214	18.15	18.12	18.12	18.50	18.52	18.51	21.34	21.33	21.33		
40	P12 BPSK	108	0	18.07	18.09	18.08	18.42	18.57	18.48	21.26	21.35	21.29	22.0	0.0
40	P12 BPSK	108	54	18.09	18.18	18.10	18.43	18.48	18.42	21.27	21.35	21.27	22.0	0.0
40	P12 BPSK	108	108	18.13	18.16	18.04	18.50	18.47	18.49	21.33	21.33	21.28		
40	P12 BPSK	216	0	18.10	18.12	18.08	18.43	18.49	18.45	21.28	21.32	21.28	22.0	0.0
40	QPSK	1	1	18.19	18.24	18.17	18.55	18.60	18.57	21.35	21.43	21.36		
40	QPSK	1	108	18.17	18.13	18.08	18.45	18.46	18.56	21.32	21.32	21.34	22.0	0.0
40	QPSK	1	214	18.04	18.10	18.16	18.53	18.52	18.55	21.30	21.33	21.37		
40	QPSK	108	0	18.05	18.18	18.03	18.50	18.55	18.48	21.29	21.38	21.27	22.0	0.0
40	QPSK	108	54	18.14	18.20	18.10	18.52	18.57	18.50	21.34	21.40	21.31	22.0	0.0
40	QPSK	108	108	18.13	18.16	18.02	18.47	18.51	18.47	21.31	21.35	21.26		
40	QPSK	216	0	18.16	18.18	18.04	18.49	18.55	18.45	21.34	21.39	21.28	22.0	0.0
40	16QAM	1	1	18.10	18.15	18.16	18.46	18.45	18.42	21.29	21.31	21.30	22.0	0.0
40	64QAM	1	1	18.11	18.17	18.07	18.54	18.48	18.49	21.34	21.34	21.30	22.0	0.0
40	256QAM	1	1	18.15	18.10	18.02	18.48	18.48	18.48	21.33	21.30	21.27	22.0	0.0

n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				374500	376500	378500	374500	376500	378500	374500	376500	378500		
Frequency [MHz]				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	18.91	19.12	19.01	18.40	18.34	18.28	21.67	21.76	21.67	22.5	0.0
40	PI2 BPSK	1	108	18.93	19.16	19.01	18.39	18.37	18.27	21.68	21.79	21.67		
40	PI2 BPSK	1	214	18.87	19.11	18.95	18.34	18.32	18.26	21.62	21.74	21.63		
40	PI2 BPSK	108	0	18.89	19.06	19.08	18.39	18.39	18.32	21.66	21.75	21.73		
40	PI2 BPSK	108	54	18.93	19.14	18.95	18.36	18.33	18.40	21.66	21.76	21.69	22.5	0.0
40	PI2 BPSK	108	108	18.87	19.06	19.07	18.35	18.38	18.32	21.63	21.74	21.72	22.5	0.0
40	PI2 BPSK	216	0	18.92	19.11	19.06	18.30	18.30	18.27	21.63	21.73	21.69	22.5	0.0
40	QPSK	1	1	19.06	19.17	19.09	18.42	18.44	18.41	21.73	21.83	21.77	22.5	0.0
40	QPSK	1	108	18.89	19.03	18.94	18.36	18.33	18.32	21.70	21.70	21.65		
40	QPSK	1	214	18.94	19.11	18.99	18.33	18.43	18.34	21.66	21.79	21.69		
40	QPSK	108	0	18.89	19.13	18.97	18.33	18.40	18.38	21.63	21.79	21.70		
40	QPSK	108	54	18.98	19.14	19.08	18.41	18.42	18.39	21.71	21.81	21.76	22.5	0.0
40	QPSK	108	108	18.88	19.12	19.06	18.38	18.39	18.31	21.65	21.78	21.71	22.5	0.0
40	QPSK	216	0	18.89	19.14	19.05	18.39	18.40	18.29	21.66	21.80	21.70	22.5	0.0
40	16QAM	1	1	18.86	19.11	19.06	18.37	18.30	18.34	21.63	21.73	21.73	22.5	0.0
40	16QAM	1	1	18.86	19.07	18.98	18.27	18.40	18.32	21.59	21.76	21.67	22.5	0.0
40	256QAM	1	1	18.85	19.07	19.00	18.28	18.40	18.30	21.58	21.76	21.67	22.5	0.0

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				374200	376500	378600	374200	376500	378600	374200	376500	378600		
Frequency [MHz]				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	23.06	23.10	23.02	22.95	23.04	22.91	26.02	26.08	25.98	27.0	0.0
40	PI2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.65	25.88	25.95	25.86		
40	PI2 BPSK	1	214	23.01	23.02	22.97	22.65	22.76	22.66	25.84	25.90	25.83		
40	PI2 BPSK	108	0	22.91	22.60	22.59	22.92	23.12	23.01	25.28	25.38	25.32		
40	PI2 BPSK	108	54	23.10	23.11	23.04	22.53	22.64	22.52	25.83	25.89	25.80	27.0	0.0
40	PI2 BPSK	108	108	22.44	22.53	22.38	22.11	22.17	22.03	25.29	25.36	25.22	26.0	1.0
40	PI2 BPSK	216	0	22.53	22.55	22.41	22.07	22.18	22.03	25.32	25.38	25.23		
40	QPSK	1	1	23.19	23.20	23.07	22.98	23.08	22.96	26.10	26.15	26.03		
40	QPSK	1	108	23.03	23.14	23.01	22.81	23.92	23.77	25.93	26.04	25.96		
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95	27.0	0.0
40	QPSK	108	0	21.99	22.08	22.00	21.35	21.43	21.28	24.69	24.78	24.67	25.5	1.5
40	QPSK	108	54	22.96	23.10	23.03	22.77	22.87	22.77	25.68	25.80	25.91	27.0	0.0
40	QPSK	108	108	21.94	22.05	21.96	21.49	21.55	21.40	24.73	24.82	24.70	25.5	1.5
40	QPSK	216	0	21.69	21.80	21.75	21.36	21.45	21.31	24.54	24.64	24.56	24.5	2.5
40	16QAM	1	1	22.08	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01		
40	16QAM	1	1	20.96	20.98	20.47	20.41	20.51	20.37	23.50	23.56	23.43		
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.96		

n66				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
				346000	346000	350000	346000	346000	350000	346000	346000	350000		
				Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PV2 BPSK	1	1	18.78	18.81	18.74	18.39	18.39	18.29	21.60	21.62	21.53	22.5	0.0
40	PV2 BPSK	1	108	18.74	18.88	18.75	18.35	18.43	18.33	21.56	21.68	21.56		
40	PV2 BPSK	1	214	18.65	18.81	18.74	18.36	18.38	18.41	21.52	21.61	21.59		
40	PV2 BPSK	108	0	18.78	18.85	18.74	18.38	18.44	18.31	21.59	21.66	21.54	22.5	0.0
40	PV2 BPSK	108	54	18.76	18.85	18.83	18.39	18.39	18.35	21.59	21.64	21.61		
40	PV2 BPSK	108	108	18.84	18.74	18.73	18.43	18.45	18.29	21.55	21.61	21.53		
40	PV2 BPSK	216	0	18.72	18.82	18.74	18.38	18.47	18.31	21.56	21.66	21.54	22.5	0.0
40	QPSK	1	1	18.79	18.89	18.86	18.44	18.42	18.63	21.72	21.68	21.65		
40	QPSK	1	108	18.84	18.77	18.75	18.32	18.46	18.39	21.49	21.63	21.58		
40	QPSK	1	214	18.72	18.76	18.84	18.37	18.49	18.29	21.56	21.64	21.58	22.5	0.0
40	QPSK	108	0	18.74	18.84	18.76	18.40	18.43	18.34	21.58	21.65	21.57		
40	QPSK	108	54	18.76	18.86	18.79	18.43	18.48	18.42	21.61	21.68	21.60		
40	QPSK	108	108	18.89	18.83	18.73	18.33	18.39	18.39	21.52	21.63	21.57	22.5	0.0
40	QPSK	216	0	18.76	18.84	18.83	18.40	18.45	18.39	21.59	21.66	21.63		
40	16QAM	1	1	18.68	18.83	18.85	18.38	18.41	18.30	21.54	21.64	21.59		
40	64QAM	1	1	18.74	18.85	18.81	18.30	18.38	18.37	21.54	21.63	21.61	22.5	0.0
40	256QAM	1	1	18.73	18.75	18.71	18.38	18.39	18.36	21.57	21.58	21.55		

n66				Ant 2			Ant 1			Ant 2+1			Turn-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
				346000	346000	350000	346000	346000	350000	346000	346000	350000		
				Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel		
				Frequency (MHz)	1730	1745	1760	1730	1745	1760	1730	1745		
40	PV2 BPSK	1	1	19.18	19.23	19.21	19.58	19.68	19.64	22.39	22.47	22.44	23.0	0.0
40	PV2 BPSK	1	108	19.30	19.27	19.24	19.63	19.67	19.64	22.48	22.48	22.45		
40	PV2 BPSK	1	214	19.25	19.33	19.28	19.62	19.69	19.65	22.45	22.52	22.48		
40	PV2 BPSK	108	0	19.32	19.25	19.26	19.59	19.76	19.67	22.47	22.52	22.48	23.0	0.0
40	PV2 BPSK	108	54	19.28	19.31	19.16	19.59	19.73	19.68	22.45	22.54	22.44		
40	PV2 BPSK	108	108	19.28	19.37	19.23	19.66	19.66	19.60	22.48	22.53	22.43		
40	PV2 BPSK	216	0	19.25	19.23	19.15	19.55	19.66	19.59	22.41	22.46	22.44	23.0	0.0
40	QPSK	1	1	19.33	19.35	19.25	19.65	19.77	19.75	22.52	22.59	22.54		
40	QPSK	1	108	19.26	19.34	19.27	19.65	19.73	19.66	22.44	22.55	22.48		
40	QPSK	1	214	19.19	19.32	19.25	19.57	19.67	19.66	22.39	22.51	22.47	23.0	0.0
40	QPSK	108	0	19.18	19.34	19.28	19.62	19.70	19.60	22.42	22.53	22.45		
40	QPSK	108	54	19.29	19.38	19.30	19.65	19.71	19.59	22.49	22.56	22.51		
40	QPSK	108	108	19.27	19.32	19.26	19.59	19.69	19.63	22.44	22.52	22.46	23.0	0.0
40	QPSK	216	0	19.21	19.33	19.18	19.60	19.70	19.65	22.42	22.53	22.43		
40	16QAM	1	1	19.21	19.33	19.17	19.67	19.73	19.60	22.46	22.54	22.40		
40	64QAM	1	1	19.21	19.28	19.20	19.55	19.70	19.65	22.39	22.51	22.44	23.0	0.0
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86		



n66				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000			
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PV2 BPSK	1	1	20.43	20.45	20.43	19.97	20.02	19.87	23.32	23.25	23.17	24.0	0.0	
40	PV2 BPSK	1	108	20.43	20.52	20.34	19.90	19.96	19.92	23.18	23.26	23.15			
40	PV2 BPSK	1	214	20.43	20.53	20.37	19.92	20.06	19.96	23.19	23.31	23.18			
40	PV2 BPSK	108	0	20.41	20.49	20.38	19.89	19.96	19.98	23.17	23.24	23.18	24.0	0.0	
40	PV2 BPSK	108	54	20.34	20.45	20.47	19.94	20.05	19.93	23.15	23.26	23.22	24.0	0.0	
40	PV2 BPSK	108	108	20.42	20.54	20.46	19.91	20.01	19.98	23.18	23.29	23.24	24.0	0.0	
40	PV2 BPSK	216	0	20.32	20.49	20.45	19.85	20.04	19.86	23.10	23.28	23.18			
40	QPSK	1	1	20.40	20.09	20.46	20.00	20.07	20.01	23.24	23.25	23.26			
40	QPSK	1	108	20.31	20.58	20.38	19.99	20.05	19.85	23.16	23.23	23.15	24.0	0.0	
40	QPSK	1	214	20.31	20.44	20.37	19.89	19.98	19.87	23.12	23.23	23.14			
40	QPSK	108	0	20.34	20.51	20.42	19.91	20.04	19.88	23.14	23.29	23.16			
40	QPSK	108	54	20.44	20.55	20.45	19.95	20.05	19.92	23.21	23.32	23.20	24.0	0.0	
40	QPSK	108	108	20.42	20.46	20.40	19.92	19.92	19.90	23.19	23.21	23.17	24.0	0.0	
40	QPSK	216	0	20.31	20.52	20.39	19.99	20.00	19.88	23.16	23.25	23.15	24.0	0.0	
40	16QAM	1	1	20.32	20.49	20.44	19.99	20.04	20.00	23.17	23.28	23.24			
40	64QAM	1	1	20.35	20.58	20.38	19.89	19.93	19.93	23.14	23.28	23.17			
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	1.5	

n66				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000			
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PV2 BPSK	1	1	23.39	23.52	23.43	23.30	23.37	23.31	26.36	26.46	26.38	27.0	0.0	
40	PV2 BPSK	1	108	23.33	23.48	23.36	23.26	23.35	23.28	26.31	26.43	26.33			
40	PV2 BPSK	1	214	23.34	23.47	23.40	23.26	23.33	23.24	26.31	26.41	26.33			
40	PV2 BPSK	108	0	23.78	23.91	23.83	23.67	23.75	23.68	25.74	25.84	25.77	26.0	1.0	
40	PV2 BPSK	108	54	23.30	23.43	23.36	23.18	23.23	23.15	26.25	26.34	26.27	27.0	0.0	
40	PV2 BPSK	108	108	22.70	22.85	22.78	22.48	22.51	22.42	25.99	25.99	25.81	26.0	1.0	
40	PV2 BPSK	216	0	22.81	22.92	22.83	22.44	22.52	22.48	25.84	25.73	25.67			
40	QPSK	1	1	23.44	23.59	23.50	23.26	23.41	23.37	26.41	26.51	26.45			
40	QPSK	1	108	23.38	23.54	23.42	23.29	23.36	23.28	26.35	26.46	26.36	27.0	0.0	
40	QPSK	1	214	23.35	23.51	23.39	23.32	23.40	23.32	26.35	26.47	26.37			
40	QPSK	108	0	21.93	22.07	21.98	21.74	21.82	21.75	24.85	24.96	24.88	25.5	1.5	
40	QPSK	108	54	23.34	23.49	23.37	23.23	23.27	23.23	26.30	26.39	26.31	27.0	0.0	
40	QPSK	108	108	21.87	22.01	21.90	21.65	21.72	21.64	24.77	24.88	24.78	25.5	1.5	
40	QPSK	216	0	21.30	21.42	21.33	21.15	21.20	21.11	24.24	24.32	24.23			
40	16QAM	1	1	22.25	22.36	22.24	22.23	22.27	22.20	25.25	25.33	25.23	25.5	1.5	
40	64QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80	24.5	2.5	
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	4.5	



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000
Frequency [MHz]				2545.81	2542.74	2540	2545.81	2542.74	2540	2545.81	2542.74	2540
100	PI2 BPSK	1	1	19.13	19.35	19.39	19.80	19.91	19.94	21.98	22.19	22.13
100	PI2 BPSK	1	137	19.21	19.27	19.31	19.74	19.91	19.98	21.99	22.19	22.11
100	PI2 BPSK	1	271	19.13	19.38	19.39	19.76	19.98	19.91	21.99	22.19	22.19
100	PI2 BPSK	135	5	19.13	19.32	19.31	19.71	19.99	19.93	21.94	22.13	22.14
100	PI2 BPSK	135	89	19.07	19.35	19.31	19.73	19.99	19.92	21.91	22.13	22.13
100	PI2 BPSK	135	158	19.21	19.37	19.39	19.94	19.99	19.99	22.04	22.15	22.08
100	PI2 BPSK	270	5	19.17	19.32	19.39	19.74	19.92	19.92	21.97	22.19	22.08
100	QPSK	1	1	19.22	19.39	19.39	19.93	19.93	19.93	22.02	22.19	22.19
100	QPSK	1	137	19.21	19.34	19.38	19.89	19.99	19.99	22.12	22.04	23.0
100	QPSK	1	271	19.11	19.34	19.22	19.83	19.99	19.94	21.98	22.14	22.04
100	QPSK	135	0	19.09	19.27	19.22	19.75	19.97	19.93	21.93	22.19	22.05
100	QPSK	135	89	19.14	19.33	19.24	19.72	19.92	19.92	22.02	22.19	22.05
100	QPSK	135	158	19.11	19.25	19.24	19.78	19.98	19.99	21.95	22.08	22.08
100	QPSK	270	0	19.10	19.30	19.27	19.71	19.99	19.98	21.92	22.19	22.03
100	15QAM	1	1	19.29	19.34	19.28	19.74	19.99	19.92	21.99	22.19	22.13
100	16QAM	1	1	19.29	19.35	19.23	19.77	19.91	19.91	22.00	22.19	22.04
100	256QAM	1	1	19.29	19.31	19.92	19.79	19.91	19.93	22.01	22.19	22.13

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000
Frequency [MHz]				2545.81	2542.74	2540	2545.81	2542.74	2540	2545.81	2542.74	2540
100	PI2 BPSK	1	1	22.23	22.31	22.26	21.93	22.06	21.91	25.04	25.29	25.09
100	PI2 BPSK	1	137	22.23	22.33	22.25	21.92	22.06	21.89	25.04	25.21	25.04
100	PI2 BPSK	1	271	22.26	22.28	22.28	21.99	22.03	21.88	25.07	25.15	25.09
100	PI2 BPSK	135	5	22.29	22.37	22.31	21.97	22.03	21.89	25.09	25.21	25.19
100	PI2 BPSK	135	89	22.27	22.33	22.37	21.94	21.98	21.89	25.07	25.17	25.19
100	PI2 BPSK	135	158	22.26	22.34	22.37	21.92	22.08	21.89	25.08	25.21	25.19
100	PI2 BPSK	270	5	22.21	22.36	22.36	21.92	22.02	21.97	25.09	25.19	25.13
100	QPSK	1	1	22.23	22.40	22.39	21.97	22.11	21.94	25.14	25.27	25.19
100	QPSK	1	137	22.14	22.49	22.37	21.99	22.04	21.94	25.09	25.19	25.07
100	QPSK	1	271	22.21	22.37	22.31	21.93	22.06	21.79	25.04	25.25	25.07
100	QPSK	135	0	22.22	22.31	22.32	21.95	22.02	21.92	25.19	25.19	25.13
100	QPSK	135	89	22.23	22.39	22.39	21.99	22.09	21.93	25.13	25.29	25.19
100	QPSK	135	158	22.27	22.29	22.34	21.93	21.97	21.88	25.11	25.14	25.13
100	QPSK	270	0	22.17	22.30	22.28	21.95	22.03	21.79	25.07	25.19	25.04
100	16QAM	1	1	22.18	22.31	22.39	21.96	21.96	21.89	25.09	25.19	25.19
100	16QAM	1	1	22.29	22.38	22.23	21.92	21.98	21.82	25.11	25.19	25.04
100	256QAM	1	1	20.95	21.34	21.32	20.99	20.99	20.99	23.83	24.17	24.09



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MFR (dB)	
Channel				505052	518508	528052	505052	518508	528052	505052	518508	528052			
Frequency [MHz]				254.11	518.24	254.11	254.11	518.24	254.11	254.11	518.24	254.11	254.11		
100	PL2-BPSK	1	1	19.31	19.45	19.34	19.27	19.48	19.39	22.30	22.48	22.38			
100	PL2-BPSK	1	137	19.26	19.42	19.44	19.28	19.40	19.39	22.28	22.42	22.43	23.5	0.0	
100	PL2-BPSK	1	271	19.30	19.43	19.37	19.32	19.38	19.48	22.32	22.42	22.44			
100	PL2-BPSK	135	5	19.34	19.38	19.48	19.41	19.52	19.39	22.39	22.47	22.45	25.5	0.0	
100	PL2-BPSK	135	66	19.31	19.40	19.35	19.30	19.44	19.43	22.35	22.43	22.40	23.5		
100	PL2-BPSK	135	138	19.22	19.45	19.35	19.35	19.52	19.40	22.29	22.50	22.39	23.5	0.0	
100	PL2-BPSK	235	5	19.26	19.43	19.37	19.31	19.48	19.34	22.30	22.48	22.37			
100	QPSK	1	1	19.35	19.52	19.44	19.40	19.53	19.49	22.40	22.54	22.50			
100	QPSK	1	137	19.21	19.31	19.34	19.40	19.45	19.51	22.59	22.46	22.44	23.5	0.0	
100	QPSK	1	271	19.21	19.42	19.34	19.35	19.41	19.55	22.27	22.45	22.35			
100	QPSK	135	5	19.31	19.43	19.36	19.30	19.43	19.45	22.32	22.44	22.42	23.5	0.0	
100	QPSK	135	66	19.24	19.50	19.40	19.21	19.51	19.43	22.32	22.46	22.45	25.5	0.0	
100	QPSK	135	138	19.31	19.49	19.33	19.28	19.44	19.38	22.31	22.48	22.38	23.5	0.0	
100	QPSK	235	5	19.23	19.45	19.40	19.38	19.43	19.41	22.32	22.48	22.42	23.5	0.0	
100	SSB-AM	1	1	19.24	19.45	19.34	19.23	19.47	19.37	22.39	22.45	22.46	23.5	0.0	
100	SSB-AM	1	1	19.22	19.45	19.40	19.28	19.50	19.40	22.29	22.49	22.41	23.5	0.0	
100	SSB-AM	1	1	19.29	19.42	19.33	19.32	19.52	19.49	22.32	22.46	22.38	23.5	0.0	

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MFR (dB)	
Channel				505052	518508	528052	505052	518508	528052	505052	518508	528052			
Frequency [MHz]				254.11	518.24	254.11	254.11	518.24	254.11	254.11	518.24	254.11	254.11		
100	PL2-BPSK	1	1	22.29	22.51	22.36	22.52	22.42	22.43	25.27	25.48	25.41			
100	PL2-BPSK	1	137	22.18	22.42	22.43	22.32	22.43	22.43	25.26	25.44	25.44	26.5	0.0	
100	PL2-BPSK	1	271	22.31	22.45	22.39	22.30	22.45	22.32	25.32	25.48	25.35			
100	PL2-BPSK	135	5	22.18	22.44	22.45	22.39	22.38	22.33	25.28	25.42	25.40	26.5	0.0	
100	PL2-BPSK	135	66	22.27	22.45	22.44	22.34	22.43	22.42	25.32	25.45	25.44	26.5	0.0	
100	PL2-BPSK	135	138	22.20	22.48	22.47	22.31	22.45	22.32	25.27	25.48	25.41	26.5	0.0	
100	PL2-BPSK	235	5	22.29	22.39	22.39	22.52	22.45	22.37	25.27	25.43	25.39			
100	QPSK	1	1	22.32	22.50	22.48	22.37	22.52	22.49	25.30	25.54	25.49			
100	QPSK	1	137	22.42	22.46	22.51	22.35	22.46	22.41	25.39	25.48	25.42	26.5	0.0	
100	QPSK	1	271	22.19	22.48	22.39	22.37	22.48	22.38	25.24	25.48	25.40			
100	QPSK	135	5	22.19	22.39	22.34	22.35	22.39	22.42	25.28	25.40	25.39	26.5	0.0	
100	QPSK	135	66	22.28	22.47	22.47	22.32	22.44	22.32	25.34	25.51	25.47	26.5	0.0	
100	QPSK	135	138	22.28	22.47	22.42	22.29	22.44	22.32	25.35	25.47	25.38	26.5	0.0	
100	QPSK	235	5	22.22	22.47	22.38	22.26	22.45	22.46	25.25	25.49	25.39	26.5	0.0	
100	SSB-AM	1	1	22.29	22.52	22.47	22.38	22.48	22.36	25.31	25.51	25.44	26.5	0.0	
100	SSB-AM	1	1	22.18	22.48	22.40	22.25	22.41	22.42	25.23	25.48	25.42	26.5	0.0	
100	SSB-AM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	20.75	24.11	24.01	25.5	1.0	

FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MFR (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	254.62	254.63	254.61	254.62	254.63	254.61	254.62	254.63		
100	PQ2-BPSK	1	1	19.76	20.61	19.98	19.75	19.97	19.82	22.76	23.55	22.91		
100	PQ2-BPSK	1	137	19.80	20.10	19.92	19.80	19.94	19.77	22.81	23.03	22.88	24.0	0.0
100	PQ2-BPSK	1	271	19.76	20.67	19.98	19.81	19.89	19.85	22.79	23.04	22.94		
100	PQ2-BPSK	135	5	19.76	20.69	19.98	19.76	19.91	19.75	22.78	23.01	22.86	24.0	0.0
100	PQ2-BPSK	135	66	19.76	20.13	19.91	19.84	20.02	19.87	22.81	23.09	22.95	24.0	0.0
100	PQ2-BPSK	135	138	19.79	20.15	19.95	19.81	20.00	19.78	22.81	23.08	22.88	24.0	0.0
100	PQ2-BPSK	255	5	19.82	20.62	19.95	19.76	19.98	19.80	22.81	23.00	22.86		
100	QPSK	1	1	19.89	20.19	20.11	19.89	20.05	19.89	22.10	22.11	22.09		
100	QPSK	1	137	19.80	20.05	19.88	19.78	20.03	19.82	22.89	23.05	22.86	24.0	0.0
100	QPSK	1	271	19.74	20.03	19.93	19.80	19.84	19.75	22.92	23.02	22.95		
100	QPSK	135	5	19.79	20.03	19.91	19.76	20.01	19.76	22.78	23.03	22.85	24.0	0.0
100	QPSK	135	66	19.74	20.17	19.93	19.77	20.02	19.82	22.98	23.08	22.95	24.0	0.0
100	QPSK	135	138	19.77	20.09	19.93	19.71	19.93	19.82	22.75	23.01	22.85	24.0	0.0
100	QPSK	255	5	19.75	20.12	19.90	19.73	20.03	19.84	22.75	23.07	22.88	24.0	0.0
100	SSB-AM	1	1	19.86	20.07	19.86	19.73	20.00	19.84	22.89	23.04	22.96	24.0	0.0
100	SSB-AM	1	1	19.88	20.10	19.87	19.75	20.02	19.86	22.82	23.07	22.88	24.0	0.0
100	SSB-AM	1	1	19.79	20.01	19.86	19.70	19.89	19.79	22.85	23.01	22.84	24.0	0.0

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turnup test (dBm)	MFR (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	254.62	254.63	254.61	254.62	254.63	254.61	254.62	254.63		
100	PQ2-BPSK	1	1	22.90	23.08	22.94	22.89	23.08	22.85	25.91	26.08	25.91		
100	PQ2-BPSK	1	137	22.88	23.00	22.98	22.88	23.04	22.85	25.94	26.03	25.93	27.0	0.0
100	PQ2-BPSK	1	271	22.88	23.00	22.98	22.88	23.00	22.76	25.89	26.01	25.87		
100	PQ2-BPSK	135	5	22.87	23.12	22.89	22.87	23.14	22.75	25.88	26.14	25.83	27.0	0.0
100	PQ2-BPSK	135	66	22.83	22.89	23.01	22.88	23.05	22.87	25.92	26.03	25.95	27.0	0.0
100	PQ2-BPSK	135	138	22.81	23.07	22.89	22.85	23.00	22.82	25.89	26.05	25.87	27.0	0.0
100	PQ2-BPSK	255	5	22.89	23.10	22.90	22.88	23.00	22.87	25.95	26.06	25.90		
100	QPSK	1	1	23.00	23.10	23.04	23.00	23.10	22.99	26.01	26.15	26.07		
100	QPSK	1	137	22.83	23.06	22.86	23.12	22.86	25.97	26.11	25.99		27.0	0.0
100	QPSK	1	271	22.80	23.01	22.87	22.80	23.00	22.73	25.91	26.06	25.85		
100	QPSK	135	5	22.87	23.00	22.86	22.84	23.01	22.85	25.87	26.02	25.92	27.0	0.0
100	QPSK	135	66	22.87	22.97	23.08	22.87	23.12	22.87	25.98	26.11	25.97	27.0	0.0
100	QPSK	135	138	22.87	22.98	22.92	22.92	23.07	22.73	25.98	26.04	25.84	27.0	0.0
100	QPSK	255	5	22.90	23.00	22.98	22.95	23.13	22.77	25.88	26.07	25.88		
100	SSB-AM	1	1	22.87	23.08	22.89	22.86	23.08	22.75	25.97	26.08	25.84	27.0	0.0
100	SSB-AM	1	1	22.85	23.05	22.87	22.80	23.22	22.87	25.93	26.15	25.93	27.0	0.0
100	SSB-AM	1	1	20.38	20.78	20.59	20.67	20.76	20.83	20.63	20.78	20.62	20.5	1.0

FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency (MHz)				254.81	253.24	254.81	254.81	253.24	254.81	254.81	253.24	254.81		
100	PQ2-BPSK	1	1	22.72	23.08	22.82	22.86	23.40	22.97	25.80	26.25	25.91		
100	PQ2-BPSK	1	137	22.71	22.60	22.81	22.71	23.26	22.88	25.72	26.09	25.88	27.0	0.0
100	PQ2-BPSK	1	271	22.64	22.65	22.83	22.71	23.12	22.76	25.89	26.04	25.81		
100	PQ2-BPSK	135	5	22.88	22.82	22.85	22.95	23.78	22.79	25.83	26.00	25.78	27.0	0.0
100	PQ2-BPSK	135	66	22.69	22.67	22.81	22.69	23.26	22.88	25.76	26.13	25.96	27.0	0.0
100	PQ2-BPSK	135	138	22.48	22.72	22.85	22.66	23.61	22.71	25.53	25.88	25.72		
100	PQ2-BPSK	255	5	22.82	22.78	22.81	22.85	23.12	22.81	25.85	25.95	25.82	27.0	0.0
100	QPSK	1	1	22.67	23.19	22.62	22.67	23.46	22.62	25.52	26.02	25.52		
100	QPSK	1	137	22.78	23.04	22.85	22.82	23.41	22.86	26.04	25.94	25.99	27.0	0.0
100	QPSK	1	271	22.76	23.02	22.83	22.76	23.26	22.82	25.74	26.14	25.84		
100	QPSK	135	5	22.75	22.81	22.83	22.69	23.23	22.83	25.73	26.08	25.84	27.0	0.0
100	QPSK	135	66	22.66	22.65	22.77	22.64	23.21	22.64	26.18	25.85	25.82	27.0	0.0
100	QPSK	135	138	22.63	22.79	22.76	22.81	23.13	22.81	25.83	25.97	25.85	27.0	0.0
100	QPSK	255	5	22.75	22.68	22.82	22.73	23.17	22.83	25.75	26.04	25.81	27.0	0.0
100	SSB-AM	1	1	22.81	23.10	22.86	22.83	23.46	22.88	26.26	25.92	25.9	27.0	0.0
100	SSB-AM	1	1	22.72	23.04	22.88	22.82	23.38	22.95	25.78	26.22	25.93	27.0	0.0
100	SSB-AM	1	1	26.30	26.75	26.53	26.52	27.63	26.57	27.52	27.89	27.88	28.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turnup test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency (MHz)				254.81	253.24	254.81	254.81	253.24	254.81	254.81	253.24	254.81		
100	PQ2-BPSK	1	1	25.82	26.15	25.89	25.89	26.37	25.91	28.85	29.25	28.91		
100	PQ2-BPSK	1	137	25.38	25.65	25.42	25.68	25.60	25.15	28.25	28.64	28.30	30.0	0.0
100	PQ2-BPSK	1	271	25.30	25.58	25.40	25.64	25.53	25.08	28.18	28.57	28.25		
100	PQ2-BPSK	135	5	24.48	24.75	24.53	24.84	24.82	24.33	27.41	27.80	27.41	29.0	1.0
100	PQ2-BPSK	135	66	25.19	25.45	25.25	25.50	25.52	25.07	28.11	28.50	28.17	30.0	0.0
100	PQ2-BPSK	135	138	24.30	24.58	24.40	24.61	25.52	25.03	27.69	28.09	27.74	29.0	1.0
100	PQ2-BPSK	255	5	24.34	24.61	24.43	24.75	24.77	24.28	27.31	27.70	27.36		
100	QPSK	1	1	25.52	26.11	25.55	25.55	26.41	25.57	28.52	28.92	28.52		
100	QPSK	1	137	25.36	25.66	25.48	25.60	25.61	25.13	28.45	28.86	28.52	30.0	0.0
100	QPSK	1	271	25.28	25.52	25.29	25.41	25.50	25.47	28.35	28.74	28.39		
100	QPSK	135	5	24.03	24.29	24.05	24.82	24.44	24.00	27.64	27.38	27.54	28.5	1.0
100	QPSK	135	66	24.05	24.21	24.07	24.54	24.53	24.05	27.68	27.38	27.57	28.0	0.0
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.0	1.0
100	QPSK	255	5	24.03	24.25	24.09	24.53	24.55	24.07	27.65	27.45	27.59	28.5	1.5
100	SSB-AM	1	1	24.91	25.22	24.93	25.38	25.52	25.36	27.97	28.38	28.09	29.0	1.0
100	SSB-AM	1	1	22.86	23.21	22.90	23.07	23.55	23.09	26.05	26.39	26.05	27.5	2.5
100	SSB-AM	1	1	26.30	26.77	26.54	26.58	27.08	26.84	28.55	28.94	28.60	29.5	4.0



Part96_n48				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	20.0	0.0	
Frequency (MHz)				3.875	38.1458	38.1958	3.875	38.1458	38.1958	3.875	38.1458	38.1958			
40	QPSK	1	1	15.00	15.02	15.96	15.43	15.50	15.45	15.73	15.75	15.72	20.0	0.0	
40	QPSK	1	83	15.85	16.01	15.87	15.32	15.40	15.42	16.60	16.73	16.66			
40	QPSK	1	104	15.98	15.91	15.93	15.36	15.46	15.32	16.69	16.70	16.65	20.0	0.0	
40	QPSK	53	0	15.90	15.93	15.88	15.39	15.39	15.32	16.66	16.68	16.62			
40	QPSK	53	27	15.97	15.99	15.92	15.42	15.45	15.37	16.71	16.69	16.69	20.0	0.0	
40	QPSK	53	53	15.91	15.95	15.81	15.34	15.39	15.31	16.64	16.69	16.58			
40	QPSK	106	0	15.92	15.97	15.89	15.38	15.42	15.34	16.67	16.71	16.63	20.0	0.0	
40	16QAM	1	1	15.93	15.94	15.90	15.39	15.41	15.31	16.68	16.69	16.63			
40	64QAM	1	1	15.93	16.00	16.83	15.31	16.44	16.20	16.64	16.74	16.58	20.0	0.0	
40	256QAM	1	1	15.19	16.20	16.17	14.56	14.64	14.57	17.90	17.94	17.89			

Part96_n48				Ant 4			Ant 6			Ant 4+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	20.0	0.0	
Frequency (MHz)				3.875	38.1458	38.1958	3.875	38.1458	38.1958	3.875	38.1458	38.1958			
40	QPSK	1	1	13.35	13.45	13.35	12.79	12.81	12.73	16.11	16.15	16.06	17.5	0.0	
40	QPSK	1	53	13.36	13.31	13.26	12.65	12.71	12.61	16.03	16.03	15.96			
40	QPSK	1	104	13.23	13.35	13.21	12.73	12.73	12.61	16.00	16.06	15.93	17.5	0.0	
40	QPSK	53	0	13.25	13.41	13.25	12.66	12.73	12.63	15.98	16.09	15.96			
40	QPSK	53	27	13.30	13.43	13.32	12.77	12.79	12.65	16.08	16.13	16.01	17.5	0.0	
40	QPSK	53	53	13.31	13.36	13.22	12.69	12.70	12.62	16.02	16.05	15.94			
40	QPSK	106	0	13.25	13.30	13.26	12.72	12.75	12.61	16.00	16.04	15.96	17.5	0.0	
40	16QAM	1	1	13.26	13.39	13.22	12.69	12.76	12.67	16.01	16.10	15.96			
40	64QAM	1	1	13.36	13.35	13.29	12.78	12.70	12.69	16.09	16.05	16.01	17.5	0.0	
40	256QAM	1	1	13.26	13.36	13.26	12.72	12.68	12.72	16.02	16.04	16.01			



Part96_n48				Ant 3			Ant 8			Ant 3+8					
RB [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (db)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				3070	3054.89	3079.88	3070	3054.89	3079.88	3070	3054.89	3079.88			
40	QPSK	1	1	13.47	13.54	13.46	13.52	13.55	13.47	16.51	16.56	16.48	18.0	0.0	
40	QPSK	1	83	13.46	13.47	13.35	13.51	13.42	13.32	16.50	16.46	16.35	18.0	0.0	
40	QPSK	1	104	13.34	13.42	13.32	13.43	13.51	13.42	16.40	16.48	16.38	18.0	0.0	
40	QPSK	53	0	13.34	13.49	13.41	13.45	13.42	13.34	16.41	16.47	16.39	18.0	0.0	
40	QPSK	53	27	13.48	13.52	13.45	13.50	13.52	13.44	16.49	16.53	16.46	18.0	0.0	
40	QPSK	53	53	13.42	13.48	13.40	13.45	13.49	13.35	16.45	16.50	16.39	18.0	0.0	
40	QPSK	106	0	13.44	13.48	13.42	13.49	13.50	13.37	16.48	16.50	16.41	18.0	0.0	
40	16QAM	1	1	13.37	13.47	13.37	13.41	13.50	13.33	16.40	16.48	16.36	18.0	0.0	
40	64QAM	1	1	13.39	13.40	13.41	13.50	13.46	13.46	16.46	16.44	16.45	18.0	0.0	
40	256QAM	1	1	13.43	13.50	13.43	13.47	13.44	13.38	16.46	16.48	16.42	18.0	0.0	

Part96_n48				Ant 3			Ant 6			Ant 3+6					
RB [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				3072	3054.89	3079.88	3072	3054.89	3079.88	3072	3054.89	3079.88			
40	QPSK	1	1	12.73	12.77	12.65	11.50	11.56	11.47	15.17	15.22	15.13			
40	QPSK	1	83	12.63	12.70	12.63	11.38	11.41	11.41	15.05	15.11	15.02	17.0	0.0	
40	QPSK	1	104	12.67	12.73	12.65	11.38	11.41	11.40	15.08	15.13	15.08			
40	QPSK	53	0	12.69	12.66	12.62	11.35	11.51	11.40	15.08	15.13	15.06	17.0	0.0	
40	QPSK	53	27	12.70	12.76	12.65	11.41	11.52	11.43	15.11	15.19	15.09	17.0	0.0	
40	QPSK	53	53	12.68	12.75	12.58	11.35	11.49	11.37	15.06	15.18	15.03	17.0	0.0	
40	QPSK	106	0	12.63	12.71	12.66	11.41	11.50	11.45	15.07	15.16	15.11	17.0	0.0	
40	16QAM	1	1	12.62	12.65	12.58	11.45	11.48	11.39	15.08	15.11	15.04	17.0	0.0	
40	64QAM	1	1	12.60	12.73	12.67	11.44	11.41	11.36	15.07	15.13	15.07	17.0	0.0	
40	256QAM	1	1	12.60	12.70	12.64	11.38	11.43	11.33	15.07	15.12	15.04	17.0	0.0	

[illegible][illegible]

Part27O_n77(PC2)				Ant 4			Ant 8			Ant 4+8							
Ant ID#	Modem	IS Num	IS Chan	Power Low Ch. Freq.	Power Power Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power Power Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power Power Ch. Freq.	Power High Ch. Freq.	Power Low Ch. Freq.	Power Power Ch. Freq.	Power High Ch. Freq.	Time-to-First (sec)	WIFI-MB
Channel				2700	2640	2670	2700	2640	2670	2700	2640	2670	2700	2640	2670		
Frequency (MHz)				2700	2640	2670	2700	2640	2670	2700	2640	2670	2700	2640	2670		
100	Part27O_n77	1	1	18.78	18.86	18.94	18.83	18.76	18.86	18.83	18.78	18.86	18.83	18.78	18.86	22.5	0.0
100	Part27O_n77	1	107	18.88	18.95	19.03	18.93	18.86	18.95	18.93	18.88	18.95	18.93	18.88	18.95	22.5	0.0
100	Part27O_n77	1	213	18.98	19.07	19.15	19.03	18.93	19.03	19.03	18.98	19.03	19.03	18.98	19.03	22.5	0.0
100	Part27O_n77	1	319	19.08	19.17	19.25	19.17	19.08	19.17	19.17	19.08	19.17	19.17	19.08	19.17	22.5	0.0
100	Part27O_n77	1	425	19.18	19.27	19.35	19.27	19.18	19.27	19.27	19.18	19.27	19.27	19.18	19.27	22.5	0.0
100	Part27O_n77	1	531	19.28	19.37	19.45	19.37	19.28	19.37	19.37	19.28	19.37	19.37	19.28	19.37	22.5	0.0
100	Part27O_n77	1	637	19.38	19.47	19.55	19.47	19.38	19.47	19.47	19.38	19.47	19.47	19.38	19.47	22.5	0.0
100	Part27O_n77	1	743	19.48	19.57	19.65	19.57	19.48	19.57	19.57	19.48	19.57	19.57	19.48	19.57	22.5	0.0
100	Part27O_n77	1	849	19.58	19.67	19.75	19.67	19.58	19.67	19.67	19.58	19.67	19.67	19.58	19.67	22.5	0.0
100	Part27O_n77	1	955	19.68	19.77	19.85	19.77	19.68	19.77	19.77	19.68	19.77	19.77	19.68	19.77	22.5	0.0
100	Part27O_n77	1	1061	19.78	19.87	19.95	19.87	19.78	19.87	19.87	19.78	19.87	19.87	19.78	19.87	22.5	0.0
100	Part27O_n77	1	1167	19.88	19.97	20.05	19.97	19.88	19.97	19.97	19.88	19.97	19.97	19.88	19.97	22.5	0.0
100	Part27O_n77	1	1273	19.98	20.07	20.15	20.07	19.98	20.07	20.07	19.98	20.07	20.07	19.98	20.07	22.5	0.0
100	Part27O_n77	1	1379	20.08	20.17	20.25	20.17	20.08	20.17	20.17	20.08	20.17	20.17	20.08	20.17	22.5	0.0
100	Part27O_n77	1	1485	20.18	20.27	20.35	20.27	20.18	20.27	20.27	20.18	20.27	20.27	20.18	20.27	22.5	0.0
100	Part27O_n77	1	1591	20.28	20.37	20.45	20.37	20.28	20.37	20.37	20.28	20.37	20.37	20.28	20.37	22.5	0.0
100	Part27O_n77	1	1697	20.38	20.47	20.55	20.47	20.38	20.47	20.47	20.38	20.47	20.47	20.38	20.47	22.5	0.0
100	Part27O_n77	1	1803	20.48	20.57	20.65	20.57	20.48	20.57	20.57	20.48	20.57	20.57	20.48	20.57	22.5	0.0
100	Part27O_n77	1	1909	20.58	20.67	20.75	20.67	20.58	20.67	20.67	20.58	20.67	20.67	20.58	20.67	22.5	0.0
100	Part27O_n77	1	2015	20.68	20.77	20.85	20.77	20.68	20.77	20.77	20.68	20.77	20.77	20.68	20.77	22.5	0.0
100	Part27O_n77	1	2121	20.78	20.87	20.95	20.87	20.78	20.87	20.87	20.78	20.87	20.87	20.78	20.87	22.5	0.0
100	Part27O_n77	1	2227	20.88	20.97	21.05	20.97	20.88	20.97	20.97	20.88	20.97	20.97	20.88	20.97	22.5	0.0
100	Part27O_n77	1	2333	20.98	21.07	21.15	21.07	20.98	21.07	21.07	20.98	21.07	21.07	20.98	21.07	22.5	0.0
100	Part27O_n77	1	2439	21.08	21.17	21.25	21.17	21.08	21.17	21.17	21.08	21.17	21.17	21.08	21.17	22.5	0.0
100	Part27O_n77	1	2545	21.18	21.27	21.35	21.27	21.18	21.27	21.27	21.18	21.27	21.27	21.18	21.27	22.5	0.0
100	Part27O_n77	1	2651	21.28	21.37	21.45	21.37	21.28	21.37	21.37	21.28	21.37	21.37	21.28	21.37	22.5	0.0
100	Part27O_n77	1	2757	21.38	21.47	21.55	21.47	21.38	21.47	21.47	21.38	21.47	21.47	21.38	21.47	22.5	0.0
100	Part27O_n77	1	2863	21.48	21.57	21.65	21.57	21.48	21.57	21.57	21.48	21.57	21.57	21.48	21.57	22.5	0.0
100	Part27O_n77	1	2969	21.58	21.67	21.75	21.67	21.58	21.67	21.67	21.58	21.67	21.67	21.58	21.67	22.5	0.0
100	Part27O_n77	1	3075	21.68	21.77	21.85	21.77	21.68	21.77	21.77	21.68	21.77	21.77	21.68	21.77	22.5	0.0
100	Part27O_n77	1	3181	21.78	21.87	21.95	21.87	21.78	21.87	21.87	21.78	21.87	21.87	21.78	21.87	22.5	0.0
100	Part27O_n77	1	3287	21.88	21.97	22.05	21.97	21.88	21.97	21.97	21.88	21.97	21.97	21.88	21.97	22.5	0.0
100	Part27O_n77	1	3393	21.98	22.07	22.15	22.07	21.98	22.07	22.07	21.98	22.07	22.07	21.98	22.07	22.5	0.0
100	Part27O_n77	1	3499	22.08	22.17	22.25	22.17	22.08	22.17	22.17	22.08	22.17	22.17	22.08	22.17	22.5	0.0
100	Part27O_n77	1	3605	22.18	22.27	22.35	22.27	22.18	22.27	22.27	22.18	22.27	22.27	22.18	22.27	22.5	0.0
100	Part27O_n77	1	3711	22.28	22.37	22.45	22.37	22.28	22.37	22.37	22.28	22.37	22.37	22.28	22.37	22.5	0.0
100	Part27O_n77	1	3817	22.38	22.47	22.55	22.47	22.38	22.47	22.47	22.38	22.47	22.47	22.38	22.47	22.5	0.0
100	Part27O_n77	1	3923	22.48	22.57	22.65	22.57	22.48	22.57	22.57	22.48	22.57	22.57	22.48	22.57	22.5	0.0
100	Part27O_n77	1	4029	22.58	22.67	22.75	22.67	22.58	22.67	22.67	22.58	22.67	22.67	22.58	22.67	22.5	0.0
100	Part27O_n77	1	4135	22.68	22.77	22.85	22.77	22.68	22.77	22.77	22.68	22.77	22.77	22.68	22.77	22.5	0.0
100	Part27O_n77	1	4241	22.78	22.87	22.95	22.87	22.78	22.87	22.87	22.78	22.87	22.87	22.78	22.87	22.5	0.0
100	Part27O_n77	1	4347	22.88	22.97	23.05	22.97	22.88	22.97	22.97	22.88	22.97	22.97	22.88	22.97	22.5	0.0
100	Part27O_n77	1	4453	22.98	23.07	23.15	23.07	22.98	23.07	23.07	22.98	23.07	23.07	22.98	23.07	22.5	0.0
100	Part27O_n77	1	4559	23.08	23.17	23.25	23.17	23.08	23.17	23.17	23.08	23.17	23.17	23.08	23.17	22.5	0.0
100	Part27O_n77	1	4665	23.18	23.27	23.35	23.27	23.18	23.27	23.27	23.18	23.27	23.27	23.18	23.27	22.5	0.0
100	Part27O_n77	1	4771	23.28	23.37	23.45	23.37	23.28	23.37	23.37	23.28	23.37	23.37	23.28	23.37	22.5	0.0
100	Part27O_n77	1	4877	23.38	23.47	23.55	23.47	23.38	23.47	23.47	23.38	23.47	23.47	23.38	23.47	22.5	0.0
100	Part27O_n77	1	4983	23.48	23.57	23.65	23.57	23.48	23.57	23.57	23.48	23.57	23.57	23.48	23.57	22.5	0.0
100	Part27O_n77	1	5089	23.58	23.67	23.75	23.67	23.58	23.67	23.67	23.58	23.67	23.67	23.58	23.67	22.5	0.0
100	Part27O_n77	1	5195	23.68	23.77	23.85	23.77	23.68	23.77	23.77	23.68	23.77	23.77	23.68	23.77	22.5	0.0
100	Part27O_n77	1	5301	23.78	23.87	23.95	23.87	23.78	23.87	23.87	23.78	23.87	23.87	23.78	23.87	22.5	0.0
100	Part27O_n77	1	5407	23.88	23.97	24.05	23.97	23.88	23.97	23.97	23.88	23.97	23.97	23.88	23.97	22.5	0.0
100	Part27O_n77	1	5513	23.98	24.07	24.15	24.07	23.98	24.07	24.07	23.98	24.07	24.07	23.98	24.07	22.5	0.0
100	Part27O_n77	1	5619	24.08	24.17	24.25	24.17	24.08	24.17	24.17	24.08	24.17	24.17	24.08	24.17	22.5	0.0
100	Part27O_n77	1	5725	24.18	24.27	24.35	24.27	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	5831	24.28	24.37	24.45	24.37	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	5937	24.38	24.47	24.55	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6043	24.48	24.57	24.65	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6149	24.58	24.67	24.75	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6255	24.68	24.77	24.85	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6361	24.78	24.87	24.95	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6467	24.88	24.97	25.05	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6573	24.98	25.07	25.15	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6679	25.08	25.17	25.25	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6785	25.18	25.27	25.35	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O_n77	1	6891	25.28	25.37	25.45	24.47	24.18	24.27	24.27	24.18	24.27	24.27	24.18	24.27	22.5	0.0
100	Part27O																

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Part27Q_n77(PC2)				Ant 3			Ant 8			Ant 3+8			Time-g Int (dB)	SPTI (dB)
RF Power	Modulation	RF Size	RF Offset	Power Level Ch.1(Freq.)	Power Reserve Ch.1(Freq.)	Power Level Ch.2(Freq.)	Power Reserve Ch.2(Freq.)	Power Level Ch.3(Freq.)	Power Reserve Ch.3(Freq.)	Power Level Ch.4(Freq.)	Power Reserve Ch.4(Freq.)			
Downlink				000000			000000			000000				
Frequency (MHz)				3000.00			3000.00			3000.00				
100	PSK256QAM	1	1	10.20		10.20		10.20		10.20			20.5	0.0
100	PSK256QAM	1	107	10.20		10.20		10.20		10.20				
100	PSK256QAM	1	271	10.20		10.20		10.20		10.20			20.5	0.0
100	PSK256QAM	100	0	10.20		10.20		10.20		10.20				
100	PSK256QAM	100	100	10.20		10.20		10.20		10.20			20.5	0.0
100	PSK256QAM	100	100	10.20		10.20		10.20		10.20				
100	PSK256QAM	200	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	1	1	10.20		10.20		10.20		10.20				
100	QPSK	1	107	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	1	271	10.20		10.20		10.20		10.20				
100	QPSK	100	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	100	100	10.20		10.20		10.20		10.20				
100	QPSK	200	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	200	100	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	270	10.20		10.20		10.20		10.20				
100	QPSK	270	0	10.20		10.20		10.20		10.20			20.5	0.0
100	QPSK	270	100	10.20		10.20		10.20		10.20				
100	QPSK	270	270	10.20	</									

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Part27Q_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3499.98			3499.98			3499.98					
100	QPSK	1	1	17.83			17.69			20.77			22.5	0.0	
100	QPSK	1	137	17.71			17.58			20.66					
100	QPSK	1	271	17.68			17.63			20.67					
100	QPSK	137	0	17.89			17.55			20.63			22.5	0.0	
100	QPSK	137	68	17.80			17.66			20.74			22.5	0.0	
100	QPSK	137	136	17.77			17.56			20.68			22.5	0.0	
100	QPSK	273	0	17.78			17.63			20.72			22.5	0.0	
100	16QAM	1	1	17.80			17.57			20.70			22.5	0.0	
100	64QAM	1	1	17.76			17.65			20.72			22.5	0.0	
100	256QAM	1	1	17.67			16.81			19.95			21.5	1.0	

Part27O_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			650000			650000					
Frequency (MHz)				3799			3799			3799					
100	QPSK	1	1	17.62			17.68			20.66			22.5	0.0	
100	QPSK	1	137	17.61			17.56			20.60					
100	QPSK	1	271	17.52			17.67			20.61					
100	QPSK	137	0	17.58			17.58			20.59			22.5	0.0	
100	QPSK	137	68	17.60			17.65			20.64			22.5	0.0	
100	QPSK	137	136	17.59			17.59			20.60					
100	QPSK	273	0	17.55			17.60			20.59			22.5	0.0	
100	16QAM	1	1	17.53			17.62			20.59			22.5	0.0	
100	64QAM	1	1	17.62			17.66			20.60			22.5	0.0	
100	256QAM	1	1	16.85			17.00			19.94			21.5	1.0	

Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				3499.96			3499.96			3499.96				
100	QPSK	1	1	15.53	15.10	15.23	15.23	15.10	15.11	15.20	15.11	15.20	20.0	0.0
100	QPSK	1	137	15.24	15.06	15.13	15.24	14.96	15.11	15.13	15.06	15.20	20.0	0.0
100	QPSK	1	271	15.21	15.02	15.13	15.21	15.02	15.13	15.02	15.13	15.11	20.0	0.0
100	QPSK	137	0	15.23	15.06	15.17	15.23	14.97	15.11	15.17	15.06	15.20	20.0	0.0
100	QPSK	137	68	15.32	15.06	15.20	15.32	15.06	15.11	15.20	15.06	15.20	20.0	0.0
100	QPSK	137	136	15.30	15.02	15.17	15.30	15.02	15.11	15.17	15.02	15.11	20.0	0.0
100	QPSK	273	0	15.21	15.01	15.12	15.21	15.01	15.11	15.12	15.01	15.11	20.0	0.0
100	16QAM	1	1	15.19	15.00	15.11	15.19	15.00	15.11	15.00	15.11	15.11	20.0	0.0
100	64QAM	1	1	15.32	15.05	15.16	15.32	15.05	15.11	15.16	15.05	15.11	20.0	0.0
100	256QAM	1	1	15.28	15.02	15.16	15.28	15.02	15.11	15.16	15.02	15.11	20.0	0.0



Part27O_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000			20.0	0.0
Frequency (Mhz)				3750			3750			3750				
100	QPSK	1	1	14.98	15.11	15.15	14.98	15.11	15.14	14.98	15.11	15.14	20.0	0.0
100	QPSK	1	137	14.98	15.06	15.07	14.98	15.06	15.07	14.98	15.06	15.07	20.0	0.0
100	QPSK	1	271	14.98	15.05	15.05	14.98	15.05	15.05	14.98	15.05	15.05	20.0	0.0
100	QPSK	137	0	14.99	15.08	15.08	14.99	15.08	15.08	14.99	15.08	15.08	20.0	0.0
100	QPSK	137	68	15.08	15.12	15.11	15.08	15.12	15.11	15.08	15.12	15.11	20.0	0.0
100	QPSK	137	136	15.05	15.00	15.00	15.05	15.00	15.00	15.05	15.00	15.00	20.0	0.0
100	QPSK	273	0	15.01	15.04	15.04	15.01	15.04	15.04	15.01	15.04	15.04	20.0	0.0
100	16QAM	1	1	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	20.0	0.0
100	64QAM	1	1	14.98	15.09	15.09	14.98	15.09	15.09	14.98	15.09	15.09	20.0	0.0
100	256QAM	1	1	15.09	15.05	15.05	15.09	15.05	15.05	15.09	15.05	15.05	20.0	0.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332			20.5	0.0
Frequency (MHz)				3499.94			3499.94			3499.94				
100	QPSK	1	1	15.02	15.01	15.05	15.04	15.04	15.05	15.04	15.04	15.05	20.5	0.0
100	QPSK	1	137	15.51	15.54	15.54	15.54	15.54	15.55	15.54	15.54	15.55		
100	QPSK	1	271	15.48	15.50	15.50	15.48	15.50	15.55	15.48	15.50	15.55		
100	QPSK	137	0	15.47	15.57	15.59	15.47	15.59	15.54	15.47	15.59	15.54	20.5	0.0
100	QPSK	137	68	15.57	15.57	15.54	15.57	15.54	15.62	15.57	15.54	15.62	20.5	0.0
100	QPSK	137	136	15.50	15.50	15.55	15.50	15.55	15.54	15.50	15.55	15.54	20.5	0.0
100	QPSK	273	0	15.50	15.50	15.61	15.50	15.61	15.57	15.50	15.61	15.57	20.5	0.0
100	16QAM	1	1	15.61	15.61	15.55	15.61	15.55	15.59	15.61	15.55	15.59	20.5	0.0
100	64QAM	1	1	15.51	15.51	15.54	15.51	15.54	15.54	15.51	15.54	15.54	20.5	0.0
100	256QAM	1	1	15.52	15.52	15.59	15.52	15.59	15.57	15.52	15.59	15.57	20.5	0.0

Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			3750			650000				
Frequency [MHz]				3750			3750			3750				
100	QPSK	1	1		15.62			15.65			18.65			
100	QPSK	1	137		15.61			15.55			18.59		20.5	0.0
100	QPSK	1	271		15.51			15.50			18.52			
100	QPSK	137	0		15.47			15.58			18.54		20.5	0.0
100	QPSK	137	68		15.55			15.62			18.60		20.5	0.0
100	QPSK	137	136		15.50			15.50			18.51			
100	QPSK	273	0		15.51			15.58			18.56		20.5	0.0
100	16QAM	1	1		15.60			15.50			18.56		20.5	0.0
100	64QAM	1	1		15.53			15.58			18.57		20.5	0.0
100	256QAM	1	1		15.52			15.60			18.58		20.5	0.0



Part27Q_n78

				Ant 3			Ant 6			Ant 3+6						Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.					
Channel				633332			633332			633332							
Frequency (MHz)				3499.98			3499.98			3499.98							
100	QPSK	1	1				14.54			17.55							
100	QPSK	1	137				14.54			17.56				19.5			
100	QPSK	1	271				14.56			17.55							
100	QPSK	137	0				14.59			14.52			17.57		19.5		
100	QPSK	137	68				14.61			14.62			17.63		19.5		
100	QPSK	137	136				14.58			14.51			17.56		19.5		
100	QPSK	273	0				14.52			14.61			17.58		19.5		
100	16QAM	1	1				14.48			14.58			17.54		19.5		
100	64QAM	1	1				14.60			14.55			17.59		19.5		
100	256QAM	1	1				14.49			14.49			17.50		19.5		

Part27O_n78

BW [MHz]	Modulation	RB Size	RB Offset	Ant 3			Ant 6			Ant 3+6						Tune-up limit [dBm]	MPR [dB]
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.					
				650000			650000			650000							
				Frequency [MHz]			3750			3750			3750				
100	QPSK	1	1	14.56			14.55			17.57							
100	QPSK	1	137	14.56			14.61			17.60					19.5	0.0	
100	QPSK	1	271	14.52			14.58			17.56							
100	QPSK	137	0	14.51			14.60			17.57					19.5	0.0	
100	QPSK	137	68	14.55			14.63			17.63					19.5	0.0	
100	QPSK	137	136	14.59			14.52			17.57					19.5	0.0	
100	QPSK	273	0	14.55			14.52			17.55					19.5	0.0	
100	16QAM	1	1	14.53			14.55			17.55					19.5	0.0	
100	64QAM	1	1	14.51			14.63			17.53					19.5	0.0	
100	256QAM	1	1	14.61			14.65			17.64					19.5	0.0	



Reduced Power Mode for DS13 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3					Turn-up limit (dB)	MPR (dB)	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.					
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000					
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890					
40	PV2 BPSK	1	1	18.85	19.08	18.98	18.51	18.64	18.45	21.69	21.88	21.73	23.0	0.0			
40	PV2 BPSK	1	108	18.97	18.98	18.94	18.45	18.56	18.44	21.73	21.79	21.71					
40	PV2 BPSK	1	214	18.88	18.96	18.93	18.42	18.61	18.51	21.67	21.80	21.74					
40	PV2 BPSK	108	0	18.94	19.08	18.90	18.40	18.53	18.51	21.69	21.82	21.72	23.0	0.0			
40	PV2 BPSK	108	54	18.95	19.06	19.03	18.49	18.59	18.52	21.74	21.84	21.79					
40	PV2 BPSK	108	108	18.97	18.99	18.97	18.46	18.62	18.54	21.73	21.82	21.77					
40	PV2 BPSK	216	0	18.91	19.07	19.00	18.48	18.54	18.48	21.71	21.82	21.76	23.0	0.0			
40	QPSK	1	1	19.00	19.09	19.06	18.55	18.65	18.55	21.75	21.89	21.82					
40	QPSK	1	108	18.86	19.03	18.99	18.44	18.53	18.53	21.67	21.80	21.79					
40	QPSK	1	214	18.86	19.00	19.00	18.47	18.54	18.41	21.68	21.79	21.73	23.0	0.0			
40	QPSK	108	0	18.90	18.99	18.93	18.43	18.62	18.47	21.68	21.82	21.72					
40	QPSK	108	54	18.95	19.00	18.99	18.50	18.63	18.54	21.74	21.83	21.78					
40	QPSK	108	108	18.86	18.96	18.93	18.45	18.61	18.53	21.67	21.80	21.74	23.0	0.0			
40	QPSK	216	0	18.90	19.08	19.02	18.49	18.57	18.44	21.71	21.79	21.70					
40	16QAM	1	1	18.99	19.04	19.02	18.46	18.53	18.45	21.74	21.80	21.75					
40	64QAM	1	1	18.95	19.03	19.03	18.50	18.58	18.46	21.74	21.82	21.76	23.0	0.0			
40	256QAM	1	1	17.60	17.70	17.61	17.59	17.66	17.58	20.61	20.69	20.61					

n2				Ant 2			Ant 1			Ant 2+1					Tune-up limit (dB)	MPR (dB)	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.					
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000					
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890					
40	PV2 BPSK	1	1	18.85	19.08	18.98	18.73	18.89	18.85	21.80	22.00	21.93	23.0	0.0			
40	PV2 BPSK	1	108	18.97	18.98	18.94	18.76	18.79	18.74	21.88	21.90	21.85					
40	PV2 BPSK	1	214	18.88	18.96	18.93	18.72	18.78	18.78	21.81	21.88	21.87					
40	PV2 BPSK	108	0	18.94	19.08	18.90	18.81	18.79	18.85	21.89	21.95	21.89	23.0	0.0			
40	PV2 BPSK	108	54	18.95	19.06	19.03	18.79	18.88	18.81	21.88	21.98	21.93					
40	PV2 BPSK	108	108	18.97	18.99	18.97	18.75	18.82	18.79	21.87	21.92	21.89					
40	PV2 BPSK	216	0	18.91	19.07	19.00	18.85	18.80	18.85	21.89	21.95	21.94	23.0	0.0			
40	QPSK	1	1	19.00	19.09	19.06	18.97	19.02	18.99	21.95	22.00	21.98					
40	QPSK	1	108	18.86	19.03	18.99	18.79	18.87	18.80	21.84	21.96	21.91					
40	QPSK	1	214	18.86	19.00	19.00	18.82	18.84	18.75	21.85	21.93	21.89	23.0	0.0			
40	QPSK	108	0	18.90	18.99	18.93	18.73	18.82	18.85	21.83	21.92	21.90					
40	QPSK	108	54	18.95	19.00	18.99	18.83	18.90	18.99	21.90	21.96	21.95					
40	QPSK	108	108	18.86	18.96	18.93	18.82	18.80	18.76	21.85	21.89	21.86	23.0	0.0			
40	QPSK	216	0	18.90	19.08	19.02	18.72	18.85	18.80	21.82	21.93	21.87					
40	16QAM	1	1	18.99	19.04	19.02	18.80	18.79	18.87	21.91	21.93	21.96					
40	64QAM	1	1	18.95	19.03	19.03	18.74	18.88	18.81	21.86	21.97	21.93	23.0	0.0			
40	256QAM	1	1	17.60	17.70	17.61	17.62	17.67	17.56	20.72	20.85	20.80					



n2				Ant 0			Ant 3			Ant 0+3						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)		
Channel				316400	316400	316400	316400	316400	316400	316400	316400	316400	316400			
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890				
40	PI2 BPSK	1	1	21.23	21.38	21.35	21.00	20.95	20.89	24.13	24.18	24.14	25.5	0.0		
40	PI2 BPSK	1	108	21.34	21.38	21.40	20.98	20.98	20.98	24.17	24.19	24.21				
40	PI2 BPSK	1	214	21.22	21.38	21.30	21.05	21.04	20.96	24.15	24.22	24.14				
40	PI2 BPSK	108	0	21.32	21.33	21.39	20.99	21.04	21.01	24.17	24.20	24.21	25.5	0.0		
40	PI2 BPSK	108	54	21.27	21.42	21.34	20.93	21.04	20.88	24.11	24.24	24.13	25.5	0.0		
40	PI2 BPSK	108	108	21.22	21.44	21.30	20.99	21.06	20.87	24.12	24.26	24.10	25.5	0.0		
40	PI2 BPSK	216	0	21.32	21.35	21.36	20.95	21.08	20.98	24.15	24.23	24.18	25.5	0.0		
40	QPSK	1	1	21.25	21.26	21.43	21.06	21.10	21.02	24.22	24.29	24.24				
40	QPSK	1	108	21.28	21.42	21.38	21.03	21.08	21.00	24.17	24.26	24.20				
40	QPSK	1	214	21.21	21.31	21.40	21.03	20.99	21.01	24.13	24.16	24.22	25.5	0.0		
40	QPSK	108	0	21.30	21.40	21.35	20.95	20.96	20.96	24.14	24.20	24.17				
40	QPSK	108	54	21.32	21.43	21.40	20.99	21.07	20.98	24.17	24.26	24.21				
40	QPSK	108	108	21.27	21.34	21.39	20.91	21.01	20.88	24.10	24.19	24.15	25.5	0.0		
40	QPSK	216	0	21.31	21.42	21.40	21.03	21.05	20.95	24.18	24.25	24.19	25.5	0.0		
40	16QAM	1	1	21.28	21.33	21.36	20.98	21.04	20.90	24.14	24.20	24.15	25.5	0.0		
40	64QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94	24.5	1.0		
40	256QAM	1	1	17.97	18.00	17.91	17.09	17.66	17.08	20.79	20.84	20.76	22.5	3.0		

n2				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [dBm]	Power Middle Ch. / Freq. [dBm]	Power High Ch. / Freq. [dBm]	Power Low Ch. / Freq. [dBm]	Power Middle Ch. / Freq. [dBm]	Power High Ch. / Freq. [dBm]	Power Low Ch. / Freq. [dBm]	Power Middle Ch. / Freq. [dBm]	Power High Ch. / Freq. [dBm]	Tune-up limit (dBm)	MRR (dB)	
Channel				316400	316400	316400	316400	316400	316400	316400	316400	316400			
Frequency [MHz]				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PI2 BPSK	1	1	20.82	20.94	20.92	20.64	20.72	20.64	23.74	23.84	23.79	25.0	0.0	
40	PI2 BPSK	1	108	20.79	20.91	20.89	20.69	20.70	20.65	23.75	23.82	23.78			
40	PI2 BPSK	1	214	20.76	20.88	20.80	20.64	20.66	20.67	23.71	23.78	23.75			
40	PI2 BPSK	108	0	20.76	20.83	20.79	20.67	20.68	20.70	23.73	23.76	23.75	25.0	0.0	
40	PI2 BPSK	108	54	20.75	20.88	20.90	20.62	20.78	20.66	23.70	23.84	23.79	25.0	0.0	
40	PI2 BPSK	108	108	20.70	20.90	20.92	20.75	20.68	20.71	23.74	23.80	23.83	25.0	0.0	
40	PI2 BPSK	216	0	20.69	20.87	20.82	20.76	20.78	20.62	23.74	23.83	23.73			
40	QPSK	1	1	20.88	20.99	20.94	20.77	20.79	20.75	23.84	23.88	23.86			
40	QPSK	1	108	20.79	20.83	20.91	20.70	20.67	20.62	23.76	23.76	23.75	25.0	0.0	
40	QPSK	1	214	20.76	20.84	20.88	20.71	20.77	20.67	23.75	23.82	23.79			
40	QPSK	108	0	20.76	20.83	20.84	20.73	20.72	20.66	23.76	23.79	23.76			
40	QPSK	108	54	20.75	20.91	20.88	20.74	20.75	20.69	23.79	23.84	23.80	25.0	0.0	
40	QPSK	108	108	20.70	20.87	20.86	20.72	20.69	20.65	23.72	23.79	23.76	25.0	0.0	
40	QPSK	216	0	20.74	20.92	20.90	20.68	20.74	20.62	23.72	23.84	23.75			
40	16QAM	1	1	20.73	20.81	20.85	20.73	20.72	20.73	23.74	23.78	23.80	25.0	0.0	
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	0.5	
40	256QAM	1	1	17.97	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	2.5	

n25				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	319000	314500	316500	319000	314500	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	P12 BPSK	1	1	19.13	19.19	19.05	18.85	18.89	18.81	22.00	22.05	21.94	23.0	0.0
40	P12 BPSK	1	108	19.10	19.16	19.14	18.92	18.82	18.82	22.02	22.00	21.99		
40	P12 BPSK	1	214	19.15	19.09	19.16	18.94	18.94	18.81	22.01	22.03	22.00		
40	P12 BPSK	108	0	19.04	19.05	19.16	18.84	18.81	18.80	21.95	21.94	21.99	23.0	0.0
40	P12 BPSK	108	54	19.13	19.17	19.07	18.79	18.89	18.81	21.97	22.04	21.95	23.0	0.0
40	P12 BPSK	108	108	19.08	19.18	19.10	18.79	18.86	18.78	21.95	22.03	21.95	23.0	0.0
40	P12 BPSK	216	0	19.09	19.17	19.12	18.86	18.83	18.73	21.99	22.01	21.94	23.0	0.0
40	QPSK	1	1	19.15	19.20	19.17	19.03	19.06	19.03	22.06	22.09	22.01		
40	QPSK	1	108	19.08	19.07	19.02	18.79	18.85	18.79	21.95	22.02	21.92		
40	QPSK	1	214	19.08	19.08	19.15	18.80	18.91	18.79	21.95	22.01	21.88		
40	QPSK	108	0	19.12	19.09	19.14	18.78	18.82	18.82	21.96	21.97	21.99	23.0	0.0
40	QPSK	108	54	19.13	19.18	19.16	18.96	18.90	18.94	22.01	22.05	22.01	23.0	0.0
40	QPSK	108	108	19.10	19.15	19.15	18.92	18.86	18.82	21.97	22.02	22.00	23.0	0.0
40	QPSK	216	0	19.15	19.17	19.09	18.85	18.88	18.73	22.01	22.04	21.92	23.0	0.0
40	16QAM	1	1	19.04	19.12	19.12	18.90	18.87	18.68	21.98	22.01	21.92	23.0	0.0
40	64QAM	1	1	19.01	19.11	19.03	18.78	18.93	18.74	21.91	22.03	21.90	23.0	0.0
40	256QAM	1	1	17.89	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64	22.5	0.5

n25				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	319000	314500	316500	319000	314500	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	P12 BPSK	1	1	19.13	19.19	19.05	19.53	19.52	19.48	22.34	22.37	22.28	23.0	0.0
40	P12 BPSK	1	108	19.10	19.16	19.14	19.47	19.51	19.45	22.30	22.35	22.31		
40	P12 BPSK	1	214	19.15	19.09	19.16	19.48	19.59	19.57	22.33	22.36	22.36		
40	P12 BPSK	108	0	19.04	19.05	19.16	19.54	19.57	19.48	22.31	22.33	22.34	23.0	0.0
40	P12 BPSK	108	54	19.13	19.17	19.07	19.49	19.62	19.56	22.32	22.41	22.33	23.0	0.0
40	P12 BPSK	108	108	19.08	19.18	19.10	19.43	19.55	19.56	22.27	22.38	22.35	23.0	0.0
40	P12 BPSK	216	0	19.09	19.17	19.12	19.54	19.52	19.55	22.33	22.36	22.35		
40	QPSK	1	1	19.16	19.20	19.17	19.65	19.65	19.61	22.57	22.64	22.60	23.0	0.0
40	QPSK	1	108	19.09	19.07	19.02	19.51	19.56	19.51	22.32	22.33	22.29		
40	QPSK	1	214	19.08	19.08	19.15	19.50	19.62	19.52	22.31	22.37	22.35		
40	QPSK	108	0	19.12	19.09	19.14	19.48	19.52	19.54	22.31	22.32	22.35	23.0	0.0
40	QPSK	108	54	19.13	19.18	19.16	19.49	19.62	19.56	22.32	22.42	22.37	23.0	0.0
40	QPSK	108	108	19.10	19.16	19.16	19.42	19.63	19.65	22.27	22.35	22.36	23.0	0.0
40	QPSK	216	0	19.15	19.17	19.09	19.40	19.60	19.58	22.29	22.40	22.35		
40	16QAM	1	1	19.04	19.12	19.12	19.52	19.51	19.48	22.30	22.33	22.31	23.0	0.0
40	64QAM	1	1	19.01	19.11	19.03	19.51	19.51	19.54	22.28	22.32	22.30	23.0	0.0
40	256QAM	1	1	17.89	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	0.5

n25				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314000	316000	318000	316000	316000	316000	314000	316000	318000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	21.99	22.19	22.12	21.44	21.38	21.43	24.73	24.81	24.80	25.5	0.0
40	PI2 BPSK	1	108	21.96	22.21	22.16	21.35	21.37	21.38	24.68	24.82	24.80		
40	PI2 BPSK	1	214	22.07	22.14	22.03	21.43	21.47	21.45	24.77	24.83	24.76	25.5	0.0
40	PI2 BPSK	108	0	22.03	22.10	22.16	21.33	21.39	21.39	24.70	24.77	24.80		
40	PI2 BPSK	108	54	22.04	22.16	22.03	21.43	21.45	21.38	24.76	24.83	24.73	25.5	0.0
40	PI2 BPSK	108	108	21.96	22.16	22.03	21.41	21.38	21.39	24.70	24.80	24.73	25.5	0.0
40	PI2 BPSK	216	0	22.07	22.20	22.05	21.45	21.51	21.47	24.78	24.88	24.78		
40	QPSK	1	1	22.10	22.22	22.17	21.48	21.52	21.49	24.91	24.99	24.90	25.5	0.0
40	QPSK	1	108	22.09	22.21	22.13	21.33	21.48	21.39	24.74	24.87	24.79		
40	QPSK	1	214	22.02	22.13	22.13	21.46	21.41	21.40	24.76	24.80	24.79	25.5	0.0
40	QPSK	108	0	21.17	21.85	21.47	21.09	21.17	21.14	24.14	24.37	24.32		
40	QPSK	108	54	21.95	22.17	22.14	21.33	21.42	21.39	24.66	24.82	24.79	25.5	0.0
40	QPSK	108	108	21.34	21.72	21.68	21.09	21.13	21.09	24.23	24.46	24.41	25.5	0.0
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34		
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64	25.5	0.0
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18	24.5	1.0
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	3.0

n25				Ant 0			Ant 1			Ant 0+1			Turn-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.			
Channel				314500	316500	319000	314500	316500	319000	314500	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	21.06	21.15	21.09	20.92	20.94	20.92	24.00	24.06	24.02	25.0	0.0
40	PI2 BPSK	1	108	21.09	21.15	21.09	20.93	21.00	20.93	24.02	24.09	24.02		
40	PI2 BPSK	1	214	20.99	21.12	20.99	20.83	20.94	20.98	23.92	24.04	24.00	25.0	0.0
40	PI2 BPSK	108	0	21.06	21.15	21.04	20.85	20.95	20.98	23.98	24.06	24.02		
40	PI2 BPSK	108	54	21.13	21.04	21.00	20.90	20.89	20.96	24.03	23.98	23.99	25.0	0.0
40	PI2 BPSK	108	108	21.07	21.08	21.04	20.80	21.02	20.95	23.95	24.06	24.01	25.0	0.0
40	PI2 BPSK	216	0	21.06	21.11	21.02	20.89	21.00	20.95	23.99	24.07	24.00		
40	QPSK	1	1	21.14	21.18	21.10	20.94	21.03	21.03	24.05	24.12	24.06	25.0	0.0
40	QPSK	1	108	21.04	21.05	21.07	20.91	20.94	20.91	23.98	24.01	24.00		
40	QPSK	1	214	21.07	21.14	21.09	20.80	20.90	20.95	23.95	24.03	24.03	25.0	0.0
40	QPSK	108	0	21.04	21.06	21.01	20.87	20.89	20.93	23.97	23.99	23.98	25.0	0.0
40	QPSK	108	54	21.06	21.12	21.06	20.93	20.97	20.94	24.00	24.06	24.01	25.0	0.0
40	QPSK	108	108	21.07	21.03	21.05	20.88	20.90	20.92	23.99	23.98	24.00	25.0	0.0
40	QPSK	216	0	21.01	21.10	21.06	20.93	20.96	20.96	23.98	24.04	24.00		
40	16QAM	1	1	21.10	21.06	20.95	20.82	20.93	20.90	23.97	24.00	23.94	25.0	0.0
40	64QAM	1	1	20.56	20.58	20.47	20.41	20.51	20.37	23.50	23.56	23.43	24.5	0.5
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	2.5

n66				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000	24.5	0.0
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	20.76	20.75	20.72	20.35	20.42	20.45	23.57	23.60	23.60	24.5	0.0
40	PI2 BPSK	1	108	20.66	20.70	20.61	20.38	20.41	20.48	23.53	23.57	23.56		
40	PI2 BPSK	1	214	20.74	20.76	20.62	20.34	20.45	20.43	23.55	23.62	23.64		
40	PI2 BPSK	108	0	20.63	20.75	20.64	20.44	20.45	20.38	23.55	23.61	23.52	24.5	0.0
40	PI2 BPSK	108	54	20.64	20.74	20.67	20.40	20.48	20.37	23.53	23.62	23.53	24.5	0.0
40	PI2 BPSK	108	108	20.63	20.76	20.60	20.40	20.42	20.49	23.53	23.60	23.56	24.5	0.0
40	PI2 BPSK	216	0	20.73	20.76	20.63	20.36	20.39	20.35	23.56	23.59	23.50	24.5	0.0
40	QPSK	1	1	20.77	20.75	20.75	20.46	20.54	20.50	23.63	23.69	23.64	24.5	0.0
40	QPSK	1	108	20.75	20.69	20.66	20.33	20.40	20.48	23.56	23.55	23.58		
40	QPSK	1	214	20.65	20.69	20.72	20.36	20.39	20.43	23.52	23.55	23.59		
40	QPSK	108	0	20.63	20.70	20.71	20.34	20.47	20.45	23.50	23.60	23.59	24.5	0.0
40	QPSK	108	54	20.75	20.78	20.73	20.45	20.53	20.47	23.61	23.67	23.61	24.5	0.0
40	QPSK	108	108	20.70	20.66	20.72	20.42	20.52	20.42	23.57	23.60	23.58	24.5	0.0
40	QPSK	216	0	20.75	20.75	20.74	20.36	20.39	20.46	23.54	23.64	23.61	24.5	0.0
40	16QAM	1	1	20.71	20.71	20.61	20.38	20.46	20.47	23.56	23.60	23.55	24.5	0.0
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.01	23.06	23.04	24.5	0.0
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	2.0

n66				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				346000	346000	352000	346000	346000	352000	346000	346000	352000	23.0	0.0
Frequency [MHz]				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	19.18	19.23	19.21	19.58	19.68	19.64	22.39	22.47	22.44	23.0	0.0
40	PI2 BPSK	1	108	19.30	19.27	19.24	19.63	19.67	19.64	22.48	22.48	22.45		
40	PI2 BPSK	1	214	19.25	19.33	19.28	19.62	19.69	19.65	22.45	22.52	22.48		
40	PI2 BPSK	108	0	19.32	19.25	19.26	19.59	19.76	19.67	22.47	22.52	22.48	23.0	0.0
40	PI2 BPSK	108	54	19.28	19.31	19.16	19.59	19.73	19.68	22.45	22.54	22.44	23.0	0.0
40	PI2 BPSK	108	108	19.28	19.37	19.23	19.66	19.66	19.60	22.48	22.53	22.43	23.0	0.0
40	PI2 BPSK	216	0	19.25	19.23	19.15	19.55	19.66	19.69	22.41	22.46	22.44		
40	QPSK	1	1	19.33	19.38	19.29	19.69	19.77	19.75	22.52	22.58	22.54		
40	QPSK	1	108	19.30	19.34	19.27	19.65	19.73	19.66	22.44	22.55	22.46	23.0	0.0
40	QPSK	1	214	19.19	19.32	19.25	19.57	19.67	19.66	22.39	22.51	22.47	23.0	0.0
40	QPSK	108	0	19.18	19.34	19.28	19.62	19.70	19.60	22.42	22.53	22.45		
40	QPSK	108	54	19.25	19.38	19.30	19.65	19.71	19.69	22.45	22.56	22.51		
40	QPSK	108	108	19.27	19.32	19.26	19.69	19.69	19.63	22.44	22.52	22.46	23.0	0.0
40	QPSK	216	0	19.21	19.34	19.18	19.60	19.70	19.65	22.42	22.53	22.43		
40	16QAM	1	1	19.21	19.33	19.17	19.67	19.73	19.60	22.46	22.54	22.40		
40	64QAM	1	1	19.21	19.28	19.20	19.55	19.70	19.65	22.39	22.51	22.44	23.0	0.0
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.86	20.90	20.86	22.5	0.5



n66				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				344000	344000	345000	346000	346000	347000	348000	348000	349000	26.0	0.0
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	22.36	22.34	22.21	21.85	21.85	21.85	25.12	25.11	25.04	26.0	0.0
40	PI2 BPSK	1	108	22.31	22.44	22.20	21.83	21.93	21.88	25.09	25.20	25.05		
40	PI2 BPSK	1	214	22.23	22.39	22.25	21.82	21.94	21.91	25.04	25.18	25.09		
40	PI2 BPSK	108	0	22.25	22.34	22.22	21.82	21.70	21.82	24.96	25.04	24.94		
40	PI2 BPSK	108	54	22.33	22.34	22.20	21.91	21.91	21.94	25.14	25.14	25.08	26.0	0.0
40	PI2 BPSK	108	108	22.34	22.38	22.32	21.58	21.65	21.50	24.99	25.04	24.94	26.0	0.0
40	PI2 BPSK	216	0	22.27	22.39	22.32	21.55	21.69	21.61	24.94	25.06	24.99		
40	QPSK	1	1	22.46	22.46	22.40	21.71	21.68	21.66	25.21	25.25	25.20		
40	QPSK	1	108	22.36	22.38	22.24	21.92	21.88	21.82	25.16	25.15	25.05		
40	QPSK	1	214	22.25	22.46	22.29	21.80	21.92	21.91	25.04	25.21	25.11	26.0	0.0
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.94		
40	QPSK	108	54	22.27	22.37	22.23	21.67	21.96	21.83	25.08	25.18	25.08		
40	QPSK	108	108	22.00	22.16	22.02	21.07	21.12	21.06	24.57	24.68	24.58		
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.10	21.00	24.64	24.72	24.58	25.5	0.5
40	16QAM	1	1	22.05	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76	25.5	0.5
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	1.5
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	3.5

n66				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				344000	344000	345000	346000	346000	347000	348000	348000	349000	23.0	0.0
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	19.37	19.57	19.50	19.34	19.35	19.31	22.37	22.47	22.42	23.0	0.0
40	PI2 BPSK	1	108	19.37	19.52	19.49	19.20	19.38	19.23	22.30	22.46	22.37		
40	PI2 BPSK	1	214	19.44	19.51	19.43	19.29	19.32	19.18	22.38	22.43	22.32		
40	PI2 BPSK	108	0	19.49	19.57	19.54	19.23	19.43	19.28	22.37	22.51	22.42		
40	PI2 BPSK	108	54	19.40	19.63	19.40	19.22	19.41	19.22	22.32	22.53	22.32	23.0	0.0
40	PI2 BPSK	108	108	19.42	19.62	19.41	19.22	19.39	19.29	22.33	22.52	22.36	23.0	0.0
40	PI2 BPSK	216	0	19.38	19.52	19.43	19.30	19.34	19.21	22.35	22.44	22.33		
40	QPSK	1	1	19.02	19.04	19.05	19.35	19.46	19.33	22.45	22.56	22.45		
40	QPSK	1	108	19.44	19.60	19.54	19.25	19.44	19.28	22.36	22.53	22.42		
40	QPSK	1	214	19.46	19.60	19.44	19.24	19.32	19.23	22.36	22.47	22.35	23.0	0.0
40	QPSK	108	0	19.40	19.51	19.48	19.29	19.36	19.18	22.36	22.45	22.34		
40	QPSK	108	54	19.51	19.60	19.59	19.34	19.43	19.22	22.44	22.53	22.37		
40	QPSK	108	108	19.37	19.57	19.41	19.33	19.40	19.18	22.36	22.50	22.31		
40	QPSK	216	0	19.39	19.63	19.48	19.22	19.41	19.31	22.32	22.53	22.41	23.0	0.0
40	16QAM	1	1	19.45	19.58	19.53	19.33	19.33	19.19	22.40	22.47	22.37	23.0	0.0
40	64QAM	1	1	19.51	19.54	19.44	19.27	19.37	19.27	22.40	22.47	22.37	23.0	0.0
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	0.5



FCC_n41(PC2)				Ant 2		Ant 3		Ant 2+3						
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up limit (dBm)	MPE (dB)	
Channel				505002	518508	528000	505002	518508	528000	505002	518508			
Frequency [MHz]				2248.81	2252.24	2254	2248.81	2252.24	2254	2248.81	2252.24	2254		
100	PI2 BPSK	1	1	22.52	22.29	22.29	21.79	22.00	21.87	24.97	25.10	25.10	26.0	0.0
100	PI2 BPSK	1	137	22.07	22.30	22.30	21.80	21.98	21.80	24.98	25.10	25.11	26.0	0.0
100	PI2 BPSK	1	271	22.16	22.39	22.32	21.84	21.98	21.93	25.20	25.09			
100	PI2 BPSK	135	0	22.00	22.32	22.28	21.80	21.93	21.93	24.98	25.10	25.13	26.0	0.0
100	PI2 BPSK	135	80	22.17	22.29	22.33	21.78	22.01	21.82	24.98	25.10	25.09	26.0	0.0
100	PI2 BPSK	135	168	22.11	22.27	22.21	21.87	21.93	21.93	25.00	25.11	25.09	26.0	0.0
100	PI2 BPSK	270	0	22.10	22.30	22.25	21.80	21.91	21.80	25.04	25.10	25.08	26.0	0.0
100	QPSK	1	1	22.20	22.40	22.20	21.50	22.00	21.57	22.00	22.00	22.11	26.0	0.0
100	QPSK	1	137	22.17	22.38	22.21	21.80	21.90	21.84	25.00	25.17	25.07	26.0	0.0
100	QPSK	1	271	22.05	22.31	22.21	21.75	21.94	21.93	25.91	25.10	25.13		
100	QPSK	135	0	22.13	22.33	22.27	21.85	21.97	21.89	25.00	25.10	25.09	26.0	0.0
100	QPSK	135	80	22.10	22.29	22.30	21.80	21.90	21.85	25.00	25.17	25.14	26.0	0.0
100	QPSK	135	168	22.15	22.33	22.22	21.80	21.99	21.93	25.01	25.17	25.08	26.0	0.0
100	QPSK	270	0	22.11	22.32	22.29	21.84	21.99	21.94	24.99	25.17	25.13	26.0	0.0
100	16QAM	1	1	22.18	22.31	22.28	21.77	21.99	21.90	25.96	25.10	25.12	26.0	0.0
100	64QAM	1	1	22.11	22.30	22.21	21.81	22.04	21.94	24.97	25.10	25.08	26.0	0.0
100	256QAM	1	1	20.94	21.19	21.25	20.84	20.98	20.85	23.80	24.60	23.97	25.0	0.5

FCC_n41(PC1.5)				Ant 2		Ant 3		Ant 2+3						
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up limit (dBm)	MPE (dB)
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency [MHz]				2248.81	2252.24	2254	2248.81	2252.24	2254	2248.81	2252.24	2254		
100	PI2 BPSK	1	1	25.20	25.20	25.34	24.77	25.06	24.86	26.00	26.10	26.13	26.0	0.0
100	PI2 BPSK	1	137	25.14	25.27	25.33	24.80	24.93	24.89	27.08	26.11	26.13	26.0	0.0
100	PI2 BPSK	1	271	25.20	25.37	25.26	24.76	24.93	24.93	26.00	26.11	26.08		
100	PI2 BPSK	135	0	24.99	24.84	24.78	24.24	24.52	24.37	27.42	27.09	27.09	26.0	0.0
100	PI2 BPSK	135	80	25.20	25.34	25.33	24.80	25.04	24.81	28.04	26.20	26.09	26.0	0.0
100	PI2 BPSK	135	168	24.92	24.73	24.71	24.25	24.51	24.35	27.40	27.03	27.03	26.0	0.0
100	PI2 BPSK	270	0	24.94	24.90	24.92	24.20	24.37	24.30	27.42	27.07	27.07		
100	QPSK	1	1	25.23	25.40	25.39	24.60	25.08	24.99	28.08	26.20	26.16	26.0	0.0
100	QPSK	1	137	25.22	25.38	25.33	24.80	25.03	24.80	28.03	26.02	26.10	26.0	0.0
100	QPSK	1	271	25.23	25.30	25.25	24.77	25.04	24.85	28.02	26.10	26.08		
100	QPSK	135	0	24.91	24.80	24.80	24.62	24.32	24.14	27.18	27.02	27.41	26.0	0.5
100	QPSK	135	80	24.91	25.34	24.90	24.20	24.37	24.11	27.07	26.17	26.17	26.0	0.0
100	QPSK	135	168	24.07	24.40	24.40	24.03	24.28	24.11	27.06	27.08	27.27	26.0	0.5
100	QPSK	270	0	24.25	24.64	24.60	24.64	24.20	24.03	27.18	27.04	27.33	26.0	0.0
100	16QAM	1	1	25.23	25.37	25.34	24.74	25.01	24.81	28.00	26.20	26.14	26.0	0.0
100	64QAM	1	1	23.35	23.73	23.71	23.10	23.48	23.33	26.27	26.01	26.02	27.0	1.5
100	256QAM	1	1	20.95	21.34	21.32	20.60	20.98	20.80	23.83	24.17	24.08	25.0	3.5



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518508	528000	505052	518508	528000	505052	518508	528000		
Frequency [MHz]				254.61	252.49	254.61	254.61	254.61	254.61	254.61	254.61	254.61		
100	PL2-BPSK	1	1	21.58	21.64	21.91	21.73	21.83	21.96	24.87	24.95	24.95		
100	PL2-BPSK	1	137	21.87	22.00	22.03	21.79	22.00	21.99	24.74	25.01	25.02	24.0	0.0
100	PL2-BPSK	1	271	21.57	21.66	21.87	21.77	21.86	21.85	24.88	24.97	24.92		
100	PL2-BPSK	135	5	21.81	21.88	21.98	21.80	22.00	21.89	24.74	25.01	24.95	26.0	0.0
100	PL2-BPSK	135	66	21.80	22.07	21.96	21.81	21.98	21.85	24.72	25.04	24.89	26.0	0.0
100	PL2-BPSK	135	138	21.86	22.03	22.01	21.75	22.01	21.85	24.71	25.03	24.94	26.0	0.0
100	PL2-BPSK	255	5	21.85	21.97	21.91	21.70	22.00	21.83	24.72	25.01	24.89		
100	QPSK	1	1	21.70	22.09	22.05	21.89	22.04	22.00	24.50	25.07	25.00		
100	QPSK	1	137	21.81	21.99	21.84	21.84	21.99	21.86	24.74	24.99	24.99	26.0	0.0
100	QPSK	1	271	21.89	22.07	21.95	21.77	21.91	21.82	24.74	24.97	24.92		
100	QPSK	135	5	21.85	21.81	21.96	21.82	21.82	21.90	24.75	24.98	24.94	26.0	0.0
100	QPSK	135	66	21.86	22.00	22.00	21.79	22.00	21.95	24.71	25.04	24.98	26.0	0.0
100	QPSK	135	138	21.81	22.08	22.00	21.79	22.00	21.95	24.71	25.04	24.98	26.0	0.0
100	QPSK	255	5	21.87	21.94	21.92	21.78	21.93	21.85	24.74	24.98	24.95	26.0	0.0
100	SSB-AM	1	1	21.59	21.60	21.86	21.82	22.00	21.87	24.74	24.96	24.95	26.0	0.0
100	SSB-AM	1	1	21.57	22.00	21.95	21.77	21.95	21.89	24.88	25.01	24.93	26.0	0.0
100	SSB-AM	1	1	26.35	24.14	21.11	20.39	20.88	21.09	23.88	24.08	24.40	26.5	0.5

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power High Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518508	528000	505052	518508	528000	505052	518508	528000		
Frequency [MHz]				254.61	252.49	254.61	254.61	254.61	254.61	254.61	254.61	254.61		
100	PL2-BPSK	1	1	24.69	24.98	24.84	24.79	25.02	24.87	27.75	28.01	27.87		
100	PL2-BPSK	1	137	24.66	24.97	24.82	24.85	25.03	24.95	27.77	28.01	27.80	29.0	0.0
100	PL2-BPSK	1	271	24.68	24.96	24.83	24.75	24.93	24.89	27.73	27.87	27.87		
100	PL2-BPSK	135	5	24.65	24.81	24.78	24.87	24.71	24.56	27.82	27.82	27.88	29.0	0.0
100	PL2-BPSK	135	66	24.77	24.90	24.75	24.82	24.97	24.87	27.81	27.85	27.82	29.0	0.0
100	PL2-BPSK	135	138	24.14	24.85	24.58	24.38	24.88	24.48	27.27	27.83	27.83	29.0	0.0
100	PL2-BPSK	255	5	24.76	24.94	24.77	24.38	24.82	24.48	27.88	27.79	27.84		
100	QPSK	1	1	24.60	25.00	24.80	24.69	25.00	24.97	27.80	28.04	27.80		
100	QPSK	1	137	24.78	24.91	24.81	24.82	24.89	24.86	27.80	27.83	27.81	29.0	0.0
100	QPSK	1	271	24.75	24.86	24.80	24.82	25.00	24.84	27.80	28.00	27.85		
100	QPSK	135	5	24.69	24.81	24.57	24.37	24.87	24.44	27.24	27.80	27.52	28.5	0.5
100	QPSK	135	66	24.74	24.88	24.64	24.97	24.71	24.58	27.86	27.86	27.86	29.0	0.0
100	QPSK	135	138	24.01	24.35	24.20	24.09	24.20	24.10	27.08	27.29	27.21	28.0	0.0
100	QPSK	255	5	24.81	24.52	24.48	24.01	24.23	24.12	27.82	27.80	27.51	27.0	0.0
100	SSB-AM	1	1	24.66	24.98	24.87	24.71	25.00	24.86	27.72	28.02	27.89	29.0	0.0
100	SSB-AM	1	1	23.02	23.54	23.48	23.25	23.48	23.38	26.15	26.52	26.44	27.5	1.5
100	SSB-AM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	20.70	24.11	24.01	23.5	3.0



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)	
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052			
Frequency [MHz]				254.61	512.64	254.61	254.61	512.64	254.61	254.61	512.64	254.61	254.61		
100	PI2-BPSK	1	1	22.70	23.11	22.88	22.88	23.00	22.84	23.69	23.07	23.77			
100	PI2-BPSK	1	137	22.80	22.84	22.73	22.53	22.82	22.81	23.58	23.94	23.64	27.0	0.0	
100	PI2-BPSK	1	271	22.80	22.84	22.73	22.45	22.76	22.43	23.34	23.81	23.59			
100	PI2-BPSK	135	5	22.49	22.80	22.76	22.47	22.80	22.50	23.40	23.86	23.64	27.0	0.0	
100	PI2-BPSK	135	66	22.81	23.03	22.83	22.59	22.89	22.80	23.60	24.02	23.70	27.0	0.0	
100	PI2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	23.38	23.82	23.62		0.0	
100	PI2-BPSK	235	5	22.57	22.80	22.85	22.52	22.82	22.47	23.50	23.87	23.65			
100	QPSK	1	1	22.70	23.10	22.83	22.20	23.10	22.80	23.77	24.14	23.27			
100	QPSK	1	137	22.73	23.04	22.89	22.60	22.87	22.65	23.79	24.02	23.78	27.0	0.0	
100	QPSK	1	271	22.85	22.92	22.76	22.54	22.83	22.51	23.63	23.89	23.68			
100	QPSK	135	5	22.58	23.04	22.85	22.59	22.87	22.59	23.57	24.02	23.70	27.0	0.0	
100	QPSK	135	66	22.46	22.97	22.75	22.45	22.88	22.52	23.44	23.91	23.65	27.0	0.0	
100	QPSK	135	138	22.46	22.97	22.75	22.45	22.88	22.52	23.44	23.91	23.65	27.0	0.0	
100	QPSK	235	5	22.82	22.85	22.83	22.58	22.83	22.53	23.81	23.87	23.74	27.0	1.0	
100	SSB-AM	1	1	22.71	23.10	22.81	22.61	23.09	22.38	23.87	24.13	23.86	27.0	0.0	
100	SSB-AM	1	1	22.79	23.13	23.08	22.82	23.02	23.05	23.72	24.09	23.94	27.0	0.0	
100	SSB-AM	1	1	20.39	20.71	20.57	20.59	20.47	20.63	21.63	21.76	21.61	20.5	1.5	

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	FCC Power Hgh Ch. [Freq.]	Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)	
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052			
Frequency [MHz]				254.61	512.64	254.61	254.61	512.64	254.61	254.61	512.64	254.61	254.61		
100	PI2-BPSK	1	1	23.82	24.13	23.82	23.73	23.05	23.73	24.79	25.10	24.84			
100	PI2-BPSK	1	137	23.32	23.58	23.39	23.19	23.52	23.09	24.26	24.46	24.21	30.0	0.0	
100	PI2-BPSK	1	271	23.21	23.53	23.34	23.05	23.36	23.01	24.14	24.48	24.19			
100	PI2-BPSK	135	5	24.52	24.81	24.88	24.20	24.51	24.17	27.37	27.87	27.59	29.0	1.0	
100	PI2-BPSK	135	66	23.20	23.52	23.34	23.12	23.26	23.15	24.17	24.40	24.20	30.0	0.0	
100	PI2-BPSK	135	138	24.23	24.55	24.31	24.07	24.11	24.07	27.17	27.34	27.25	29.0	1.0	
100	PI2-BPSK	235	5	24.36	24.71	24.51	24.17	24.30	24.16	27.29	27.52	27.35			
100	QPSK	1	1	23.82	24.39	23.82	23.80	23.84	23.79	25.64	25.67	25.59			
100	QPSK	1	137	23.79	24.07	23.88	23.70	24.04	23.78	24.76	24.88	24.74	30.0	0.0	
100	QPSK	1	271	23.20	23.58	23.35	23.01	23.32	23.00	24.16	24.46	24.13			
100	QPSK	135	5	24.06	24.39	24.21	24.09	24.23	24.23	27.09	27.32	27.23	28.5	1.0	
100	QPSK	135	66	23.85	24.08	24.04	23.82	24.11	24.04	27.07	27.22	27.05	28.0	0.0	
100	QPSK	135	138	24.09	24.30	24.08	24.03	24.11	24.04	27.07	27.22	27.05	28.0	0.0	
100	QPSK	235	5	24.02	24.21	24.08	24.21	24.20	24.23	27.13	27.25	27.17	27.0	1.0	
100	SSB-AM	1	1	23.80	24.23	24.10	23.99	23.98	24.04	24.09	24.27	24.09	29.0	1.0	
100	SSB-AM	1	1	23.02	23.51	23.10	23.00	23.22	22.87	23.97	24.28	24.03	27.5	2.5	
100	SSB-AM	1	1	20.38	20.78	20.59	20.67	20.76	20.83	21.63	21.76	21.62	20.5	4.0	



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq. 505052	Power Mdn Ch. Freq. 518058	Power Hgh Ch. Freq. 528052	FCC Power Low Ch. Freq. 505052	Power Mdn Ch. Freq. 518058	Power Hgh Ch. Freq. 528052	FCC Power Low Ch. Freq. 505052	Power Mdn Ch. Freq. 518058	Power Hgh Ch. Freq. 528052	Turn-up test (dBm)	MPS (dB)
Channel				254.61	253.24	254.44	254.61	253.24	254.44	254.61	253.24	254.44		
Frequency (MHz)														
100	PQ2-BPSK	1	1	22.72	23.08	22.82	22.86	23.40	22.97	25.80	26.25	25.91		
100	PQ2-BPSK	1	137	22.71	22.60	22.81	22.71	23.26	22.88	25.72	26.09	25.88	27.0	0.0
100	PQ2-BPSK	1	271	22.64	22.65	22.83	22.71	23.12	22.76	25.89	26.04	25.81		
100	PQ2-BPSK	135	5	22.68	22.82	22.85	22.55	23.78	22.75	25.83	26.00	25.78	27.0	0.0
100	PQ2-BPSK	135	66	22.69	22.67	22.91	22.69	23.26	22.88	25.76	26.13	25.96	27.0	0.0
100	PQ2-BPSK	135	138	22.48	22.72	22.85	22.56	23.61	22.71	25.53	25.88	25.72		
100	PQ2-BPSK	255	5	22.62	22.78	22.81	22.65	23.12	22.81	25.85	25.95	25.82	27.0	0.0
100	QPSK	1	1	22.67	23.19	22.62	22.67	23.46	22.62	25.52	26.02	25.52		
100	QPSK	1	137	22.78	23.04	22.85	22.65	23.41	22.86	25.81	26.24	25.99	27.0	0.0
100	QPSK	1	271	22.76	23.02	22.83	22.76	23.26	22.82	25.74	26.14	25.84		
100	QPSK	135	5	22.75	22.81	22.83	22.59	23.23	22.83	25.73	26.08	25.84	27.0	0.0
100	QPSK	135	66	22.65	22.65	22.77	22.65	23.21	22.65	26.18	25.85	25.85	27.0	0.0
100	QPSK	135	138	22.63	22.75	22.76	22.61	23.13	22.81	25.83	25.97	25.85	27.0	0.0
100	QPSK	255	5	22.75	22.68	22.87	22.73	23.17	22.83	25.75	26.04	25.81	27.0	0.0
100	SSB-AM	1	1	22.81	23.10	22.86	22.83	23.46	22.88	25.88	26.26	25.92	27.0	0.0
100	SSB-AM	1	1	22.72	23.04	22.88	22.82	23.38	22.95	25.78	26.22	25.93	27.0	0.0
100	SSB-AM	1	1	26.30	26.75	26.53	26.52	27.63	26.57	27.52	27.89	27.88	28.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq. [MHz]	Power Mdn Ch. Freq. [MHz]	Power Hgh Ch. Freq. [MHz]	FCC Power Low Ch. Freq. [MHz]	Power Mdn Ch. Freq. [MHz]	Power Hgh Ch. Freq. [MHz]	FCC Power Low Ch. Freq. [MHz]	Power Mdn Ch. Freq. [MHz]	Power Hgh Ch. Freq. [MHz]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	253.24	254.44	254.61	253.24	254.44	254.61	253.24	254.44	254.61	
100	PQ2-BPSK	1	1	25.82	26.15	25.89	25.89	26.37	25.91	28.85	29.25	28.91		
100	PQ2-BPSK	1	137	25.38	25.65	25.42	25.08	25.60	25.15	28.25	28.64	28.30	30.0	0.0
100	PQ2-BPSK	1	271	25.30	25.58	25.40	25.04	25.53	25.08	28.18	28.57	28.25		
100	PQ2-BPSK	135	5	24.48	24.75	24.53	24.04	24.82	24.33	27.41	27.80	27.41	29.0	1.0
100	PQ2-BPSK	135	66	25.19	25.45	25.25	25.00	25.52	25.07	28.11	28.50	28.17	30.0	0.0
100	PQ2-BPSK	135	138	24.30	24.56	24.40	23.81	25.32	24.83	27.69	28.09	27.74	29.0	1.0
100	PQ2-BPSK	255	5	24.34	24.61	24.43	24.25	24.77	24.28	27.31	27.70	27.36		
100	QPSK	1	1	25.52	26.11	25.55	25.50	26.41	25.57	28.52	28.92	28.52		
100	QPSK	1	137	25.36	25.66	25.48	25.00	25.91	25.33	28.45	28.86	28.51	30.0	0.0
100	QPSK	1	271	25.26	25.52	25.20	25.11	25.93	25.47	28.35	28.74	28.39		
100	QPSK	135	5	24.03	24.29	24.05	24.02	24.44	24.00	27.64	27.38	27.54	28.5	1.0
100	QPSK	135	66	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.0	0.0
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.0	1.0
100	QPSK	255	5	24.03	24.25	24.09	24.03	24.55	24.07	27.65	27.45	27.59		
100	SSB-AM	1	1	24.91	25.22	24.93	25.09	25.52	25.06	27.97	28.36	28.09	29.0	1.0
100	SSB-AM	1	1	22.86	23.21	22.90	23.07	23.55	23.09	26.05	26.39	26.05	27.5	2.5
100	SSB-AM	1	1	26.30	26.77	26.54	26.58	27.08	26.84	27.55	27.94	27.60	28.5	4.0



Part96_n48				Ant 4			Ant 8			Ant 4+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	23.0	0.0
Frequency (MHz)				34972	34514.66	34979.66	35028	34534.66	34979.66	35043	34521.66	34979.66		
40	QPSK	1	1	18.90	18.93	18.85	18.54	18.57	18.45	21.73	21.76	21.67	23.0	0.0
40	QPSK	1	63	18.83	18.82	18.74	18.44	18.54	18.32	21.65	21.69	21.55		
40	QPSK	1	104	18.86	18.78	18.81	18.39	18.47	18.39	21.64	21.64	21.62	22.5	0.5
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.89	20.99	21.11	21.02		
40	QPSK	53	27	18.54	18.58	18.70	18.20	18.55	18.38	21.69	21.73	21.67	23.0	0.0
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	0.5
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25	23.0	0.0
40	16QAM	1	1	18.84	18.91	18.82	18.51	18.42	18.43	21.69	21.68	21.64		
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	1.5
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	3.5

Part96_n48				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	21.5	0.0
Frequency (MHz)				35028	34521.66	34979.66	35043	34521.66	34979.66	35043	34521.66	34979.66		
40	QPSK	1	1	17.41	17.47	17.35	15.67	15.72	15.68	19.54	19.59	19.62	21.5	0.0
40	QPSK	1	53	17.40	17.34	17.29	15.65	15.58	15.63	19.62	19.56	19.55		
40	QPSK	1	104	17.27	17.45	17.23	15.61	15.59	15.67	19.53	19.63	19.53	21.5	0.0
40	QPSK	53	0	17.35	17.32	17.23	15.53	15.62	15.62	19.54	19.56	19.51		
40	QPSK	53	27	17.36	17.42	17.33	15.63	15.70	15.67	19.51	19.55	19.56	21.5	0.0
40	QPSK	53	53	17.29	17.28	17.28	15.54	15.68	15.66	19.51	19.55	19.56	21.5	0.0
40	QPSK	106	0	17.28	17.35	17.21	15.54	15.66	15.63	19.51	19.50	19.50		
40	16QAM	1	1	17.28	17.32	17.25	15.57	15.71	15.57	19.52	19.60	19.50	21.5	0.0
40	64QAM	1	1	17.34	17.38	17.31	15.56	15.70	15.58	19.55	19.62	19.54	21.5	0.0
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.91	17.95	17.90	19.5	3.5



Part96_n48				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				16.10	16.14 99	16.19 98	16.10	16.14 99	16.19 98	16.10	16.14 99	16.19 98		
40	QPSK	1	1	17.97	18.05	17.94	17.92	17.98	17.96	20.96	21.03	20.95	22.5	0.0
40	QPSK	1	53	17.91	18.02	17.92	17.89	17.84	17.81	20.91	20.94	20.88	22.5	0.0
40	QPSK	1	104	17.87	18.04	17.83	17.90	17.85	17.90	20.90	20.96	20.88	22.5	0.0
40	QPSK	53	0	17.87	18.01	17.87	17.73	17.87	17.80	20.81	20.95	20.85	22.5	0.0
40	QPSK	53	27	17.96	18.02	17.90	17.87	17.92	17.90	20.93	20.98	20.91	22.5	0.0
40	QPSK	53	53	17.93	17.92	17.87	17.74	17.84	17.78	20.85	20.89	20.84	22.5	0.0
40	QPSK	106	0	17.90	17.91	17.88	17.77	17.90	17.88	20.85	20.92	20.89	22.5	0.0
40	16QAM	1	1	17.96	17.90	17.80	17.81	17.86	17.86	20.90	20.89	20.84	22.5	0.0
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	1.0
40	256QAM	1	1	14.72	14.89	14.67	14.56	14.64	14.57	17.69	17.68	17.63	19.5	3.0

Part96_n48				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				16.10	16.14 99	16.19 98	16.10	16.14 99	16.19 98	16.10	16.14 99	16.19 98		
40	QPSK	1	1	17.27	17.36	17.20	16.95	16.90	16.85	19.63	19.70	19.65	21.5	0.0
40	QPSK	1	53	17.21	17.23	17.17	16.85	16.85	16.81	19.59	19.60	19.55	21.5	0.0
40	QPSK	1	104	17.17	17.23	17.17	16.71	16.75	16.83	19.51	19.56	19.56	21.5	0.0
40	QPSK	53	0	17.12	17.30	17.22	16.76	16.79	16.78	19.50	19.62	19.57	21.5	0.0
40	QPSK	53	27	17.17	17.25	17.26	16.84	16.88	16.82	19.57	19.69	19.61	21.5	0.0
40	QPSK	53	53	17.16	17.21	17.15	16.81	16.77	16.77	19.55	19.58	19.52	21.5	0.0
40	QPSK	106	0	17.16	17.30	17.27	16.85	16.88	16.81	19.58	19.68	19.61	21.5	0.0
40	16QAM	1	1	17.13	17.27	17.24	16.75	16.83	16.82	19.50	19.62	19.60	21.5	0.0
40	64QAM	1	1	17.11	17.13	17.01	16.45	16.51	16.41	19.27	19.41	19.29	21.0	0.5
40	256QAM	1	1	14.90	15.00	14.98	13.15	13.19	13.07	17.12	17.20	17.19	19.0	2.5

Part27Q_n77(PC2)				Ant 4			Ant 8			Ant 4+8			Time-g Int (dB)	MPT (dB)	
Ref (MHz)	Modulation	Ref Size	Ref Offset	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)			
Channel				3450.00			3450.00			3450.00					
Frequency (MHz)				3450.00			3450.00			3450.00					
100	PSK256Q	1	1	21.20			21.03			21.14			25.0	0.0	
100	PSK256Q	1	107	21.05			21.05			21.05					
100	PSK256Q	1	271	21.25			21.11			21.07					
100	PSK256Q	100	0	21.11			21.25			21.16			25.0	0.0	
100	PSK256Q	100	80	21.02			21.10			21.10			25.0	0.0	
100	PSK256Q	100	150	21.10			21.03			21.08			25.0	0.0	
100	PSK256Q	200	0	21.20			21.10			21.21			25.0	0.0	
100	QPSK	1	1	21.20			21.07			21.03			25.0	0.0	
100	QPSK	1	107	21.20			21.12			21.08					
100	QPSK	1	271	21.20			21.08			21.11					
100	QPSK	100	0	21.05			21.05			21.05			25.0	0.0	
100	QPSK	100	80	21.20			21.10			21.10			25.0	0.0	
100	QPSK	100	150	21.10			21.10			21.10			25.0	0.0	
100	QPSK	200	0	21.10			21.08			21.08			25.0	0.0	
100	QPSK	1	1	21.10			21.08			21.10			25.0	0.0	
100	QPSK	1	1	21.20			21.07			21.06			25.0	0.0	
100	QPSK	1	1	21.05			21.05			21.05			25.0	0.0	

Part27Q_n77(PC1.5)				Ant 4			Ant 8			Ant 4+8			Time-g Int (dB)	MPT (dB)	
Ref (MHz)	Modulation	Ref Size	Ref Offset	Power (W)	Power (dBm)	Power (W)	Power (dBm)	Power (W)	Power (dBm)	Power (W)	Power (dBm)				
Channel				3450.00			3450.00			3450.00					
Frequency (MHz)				3450.00			3450.00			3450.00					
100	PSK256Q	1	1	21.17			21.05			21.05			25.0	0.0	
100	PSK256Q	1	107	21.05			21.05			21.05					
100	PSK256Q	1	271	21.05			21.07			21.08					
100	PSK256Q	100	0	21.11			21.25			21.16			25.0	0.0	
100	PSK256Q	100	80	21.02			21.10			21.10			25.0	0.0	
100	PSK256Q	100	150	21.10			21.03			21.08			25.0	0.0	
100	PSK256Q	200	0	21.20			21.10			21.21			25.0	0.0	
100	QPSK	1	1	21.20			21.07			21.03					
100	QPSK	1	107	21.20			21.12			21.08			25.0	0.0	
100	QPSK	1	271	21.20			21.08			21.11			25.0	0.0	
100	QPSK	100	0	21.05			21.05			21.05			25.0	0.0	
100	QPSK	100	80	21.20			21.10			21.10			25.0	0.0	
100	QPSK	100	150	21.10			21.10			21.10			25.0	0.0	
100	QPSK	200	0	21.10			21.08			21.08			25.0	0.0	
100	QPSK	1	1	21.10			21.08			21.10			25.0	0.0	
100	QPSK	1	1	21.20			21.07			21.06			25.0	0.0	
100	QPSK	1	1	21.05			21.05			21.05			25.0	0.0	

[illegible][illegible]

[illegible][illegible]

[illegible]

[illegible]

Part27Q_n77(PC1.5)				Ant 3				Ant 6				Ant 3+6				Average test value (dBm)	S/N
Port ID#	Modulation	Bit Rate	Mod Order	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]				
Downlink				Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]				
Frequency [MHz]																	
198	PSK4QPSK	6	1	23.75	23.48	23.48	23.48	23.75	23.48	23.48	23.48	23.75	23.48	23.48	23.48	23.48	
199	PSK4QPSK	6	1	23.75	23.48	23.48	23.48	23.75	23.48	23.48	23.48	23.75	23.48	23.48	23.48	23.48	
200	PSK4QPSK	126	6	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
201	PSK4QPSK	126	6	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
202	PSK4QPSK	126	126	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
203	PSK4QPSK	126	126	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
204	QPSK	6	1	23.75	23.23	23.23	23.23	23.75	23.23	23.23	23.23	23.75	23.23	23.23	23.23	23.23	
205	QPSK	6	1	23.75	23.23	23.23	23.23	23.75	23.23	23.23	23.23	23.75	23.23	23.23	23.23	23.23	
206	QPSK	126	6	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
207	QPSK	126	6	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
208	QPSK	126	126	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
209	QPSK	126	126	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
210	16QAM	6	1	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
211	16QAM	6	1	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
212	16QAM	126	6	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
213	16QAM	126	6	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
214	16QAM	126	126	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	
215	16QAM	126	126	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.62	23.23	23.23	23.23	23.23	

Part2To_n77(PC2)				Ant 3				Ant 6				Ant 3+6				Average gain	MSE
Exp. Config.	Architecture	Exp. Size	Exp. Other	Power Loss Coefficient	Power Loss Slope	Power Loss Intercept	Power Loss Slope	Power Loss Intercept	Power Loss Coefficient	Power Loss Slope	Power Loss Intercept	Power Loss Slope	Power Loss Intercept	Power Loss Slope			
Outcome				Power Loss Coefficient	Power Loss Slope	Power Loss Intercept	Power Loss Slope	Power Loss Intercept	Power Loss Coefficient	Power Loss Slope	Power Loss Intercept	Power Loss Slope	Power Loss Intercept	Power Loss Slope			
Performance Summary																	
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1	0.24	20.57	20.52	0.28	20.58	20.58	20.57	20.52	20.58	20.58	20.57	20.52	0.0	0.0
100	Pre-PropNet	1	1														

Part270_n77(PC1.5)			Ant 3			Ant 6			Ant 3+6			Average time [sec]	Average rate [MB/s]
Port ID	Destination	Port ID	Port ID	Port ID	Port ID	Port ID	Port ID	Port ID	Port ID	Port ID	Port ID		
Channel	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]	Rate [Mbps]		
100	1000000000	1	1	22.60	22.60	22.62	22.62	22.60	22.60	22.61	22.60	22.60	0.0
100	1000000000	1	1	22.62	22.62	22.62	22.64	22.62	22.62	22.63	22.62	22.62	0.0
100	1000000000	1	1	22.64	22.64	22.64	22.66	22.64	22.64	22.65	22.64	22.64	0.0
100	1000000000	1	1	22.66	22.66	22.66	22.68	22.66	22.66	22.67	22.66	22.66	0.0
100	1000000000	1	1	22.68	22.68	22.68	22.70	22.68	22.68	22.69	22.68	22.68	0.0
100	1000000000	1	1	22.70	22.70	22.70	22.72	22.70	22.70	22.71	22.70	22.70	0.0
100	1000000000	1	1	22.72	22.72	22.72	22.74	22.72	22.72	22.73	22.72	22.72	0.0
100	1000000000	1	1	22.74	22.74	22.74	22.76	22.74	22.74	22.75	22.74	22.74	0.0
100	1000000000	1	1	22.76	22.76	22.76	22.78	22.76	22.76	22.77	22.76	22.76	0.0
100	1000000000	1	1	22.78	22.78	22.78	22.80	22.78	22.78	22.79	22.78	22.78	0.0
100	1000000000	1	1	22.80	22.80	22.80	22.82	22.80	22.80	22.81	22.80	22.80	0.0
100	1000000000	1	1	22.82	22.82	22.82	22.84	22.82	22.82	22.83	22.82	22.82	0.0
100	1000000000	1	1	22.84	22.84	22.84	22.86	22.84	22.84	22.85	22.84	22.84	0.0
100	1000000000	1	1	22.86	22.86	22.86	22.88	22.86	22.86	22.87	22.86	22.86	0.0
100	1000000000	1	1	22.88	22.88	22.88	22.90	22.88	22.88	22.89	22.88	22.88	0.0
100	1000000000	1	1	22.90	22.90	22.90	22.92	22.90	22.90	22.91	22.90	22.90	0.0
100	1000000000	1	1	22.92	22.92	22.92	22.94	22.92	22.92	22.93	22.92	22.92	0.0
100	1000000000	1	1	22.94	22.94	22.94	22.96	22.94	22.94	22.95	22.94	22.94	0.0
100	1000000000	1	1	22.96	22.96	22.96	22.98	22.96	22.96	22.97	22.96	22.96	0.0
100	1000000000	1	1	22.98	22.98	22.98	23.00	22.98	22.98	22.99	22.98	22.98	0.0
100	1000000000	1	1	23.00	23.00	23.00	23.02	23.00	23.00	23.01	23.00	23.00	0.0
100	1000000000	1	1	23.02	23.02	23.02	23.04	23.02	23.02	23.03	23.02	23.02	0.0
100	1000000000	1	1	23.04	23.04	23.04	23.06	23.04	23.04	23.05	23.04	23.04	0.0
100	1000000000	1	1	23.06	23.06	23.06	23.08	23.06	23.06	23.07	23.06	23.06	0.0



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.96			3499.96			3499.96				
100	QPSK	1	1	20.26	20.16	23.23							25.0	0.0
100	QPSK	1	137	20.22	20.13	23.19								
100	QPSK	1	271	20.23	20.01	23.13								
100	QPSK	137	0	20.16	20.02	23.10							25.0	0.0
100	QPSK	137	68	20.24	20.08	23.17							25.0	0.0
100	QPSK	137	136	20.13	20.04	23.10								
100	QPSK	273	0	20.22	20.05	23.15							25.0	0.0
100	16QAM	1	1	20.13	20.15	23.15							25.0	0.0
100	64QAM	1	1	20.13	19.75	22.95							24.5	0.5
100	256QAM	1	1	17.07	16.81	19.95							21.5	3.5

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	20.15			20.15			23.17			25.0	0.0
100	QPSK	1	137	20.02			20.13			23.09				
100	QPSK	1	271	20.00			20.12			23.07				
100	QPSK	137	0	20.08			20.13			23.12			25.0	0.0
100	QPSK	137	68	20.12			20.16			23.16			25.0	0.0
100	QPSK	137	136	20.07			20.09			23.09			25.0	0.0
100	QPSK	273	0	20.09			20.14			23.13			25.0	0.0
100	16QAM	1	1	20.14			20.05			23.11			25.0	0.0
100	64QAM	1	1	19.85			19.80			22.84			24.5	0.5
100	256QAM	1	1	16.85			17.00			19.94			21.5	3.5

Part27Q_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.89			3499.89			3499.88				
100	QPSK	1	1	19.85			19.65			22.75			24.5	0.0
100	QPSK	1	137	19.82			19.53			22.69				
100	QPSK	1	271	19.81			19.57			22.70				
100	QPSK	137	0	19.73			19.55			22.65			24.5	0.0
100	QPSK	137	68	19.78			19.55			22.70			24.5	0.0
100	QPSK	137	135	19.74			19.48			22.62				
100	QPSK	273	0	19.73			19.52			22.64			24.5	0.0
100	16QAM	1	1	19.78			19.50			22.65			24.5	0.0
100	64QAM	1	1	19.74			19.52			22.64			24.5	0.0
100	256QAM	1	1	17.07			17.00			20.05			21.5	-3.0



Part27O_n78				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000				
Frequency [MHz]				379.5			379.5			379.5				
100	QPSK	1	1	19.07			19.05			22.65			24.5	0.0
100	QPSK	1	137	19.01			19.61			22.62				
100	QPSK	1	271	19.59			19.60			22.61				
100	QPSK	137	0	19.55			19.58			22.58			24.5	0.0
100	QPSK	137	68	19.55			19.63			22.65			24.5	0.0
100	QPSK	137	136	19.52			19.60			22.57			24.5	0.0
100	QPSK	273	0	19.04			19.55			22.61				
100	16QAM	1	1	19.60			19.53			22.58			24.5	0.0
100	64QAM	1	1	19.63			19.52			22.59			24.5	0.0
100	256QAM	1	1	19.65			17.58			19.56			21.5	3.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332				
Frequency [MHz]				3499.98			3499.98			3499.98				
100	QPSK	1	1	20.15			20.15			23.17			25.0	0.0
100	QPSK	1	137	20.05			20.12			23.10				
100	QPSK	1	271	20.05			20.02			23.05				
100	QPSK	137	0	20.02			20.02			23.02			25.0	0.0
100	QPSK	137	68	20.07			20.04			23.07			25.0	0.0
100	QPSK	137	136	20.02			20.01			23.03			25.0	0.0
100	QPSK	273	0	20.07			20.03			23.06				
100	16QAM	1	1	20.14			20.03			23.10			25.0	0.0
100	64QAM	1	1	20.00			19.75			22.89			24.5	0.5
100	256QAM	1	1	17.58			16.81			19.95			21.5	3.5

Part27O_n78				Ant 3			Ant 8			Ant 3+8				
RB (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	20.16	20.16	20.16	20.16	20.16	20.16	23.18	23.18	23.18	25.0	0.0
100	QPSK	1	137	20.11	20.11	20.11	20.05	20.05	20.05	23.09	23.09	23.09	25.0	0.0
100	QPSK	1	271	20.08	20.08	20.08	20.09	20.09	20.09	23.10	23.10	23.10	25.0	0.0
100	QPSK	137	0	20.02	20.02	20.02	20.08	20.08	20.08	23.06	23.06	23.06	25.0	0.0
100	QPSK	137	68	20.12	20.12	20.12	20.17	20.17	20.17	23.16	23.16	23.16	25.0	0.0
100	QPSK	137	136	20.08	20.08	20.08	20.16	20.16	20.16	23.13	23.13	23.13	25.0	0.0
100	QPSK	273	0	20.04	20.04	20.04	20.14	20.14	20.14	23.10	23.10	23.10	25.0	0.0
100	16QAM	1	1	20.03	20.03	20.03	20.12	20.12	20.12	23.09	23.09	23.09	25.0	0.0
100	64QAM	1	1	19.99	19.99	19.99	19.89	19.89	19.89	22.91	22.91	22.91	24.5	0.5
100	256QAM	1	1	17.10	17.10	17.10	17.00	17.00	17.00	20.06	20.06	20.06	21.5	-3.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	19.67			19.63			22.65				
100	QPSK	1	137	19.52			19.54			22.54			24.5	0.0
100	QPSK	1	271	19.58			19.52			22.56				
100	QPSK	137	0	19.62			19.52			22.58			24.5	0.0
100	QPSK	137	68	19.55			19.59			22.63			24.5	0.0
100	QPSK	137	136	19.53			19.58			22.57			24.5	0.0
100	QPSK	273	0	19.58			19.56			22.58				
100	16QAM	1	1	19.64			19.59			22.63			24.5	0.0
100	64QAM	1	1	19.57			19.52			22.66			24.5	0.0
100	256QAM	1	1	17.59			17.59			20.96			21.5	3.0

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3754			3754			3754				
100	QPSK	1	1	19.65			19.66			22.67			24.5	0.0
100	QPSK	1	137	19.53			19.52			22.54				
100	QPSK	1	271	19.55			19.57			22.57				
100	QPSK	137	0	19.60			19.53			22.58			24.5	0.0
100	QPSK	137	68	19.63			19.65			22.65			24.5	0.0
100	QPSK	137	136	19.59			19.62			22.62			24.5	0.0
100	QPSK	273	0	19.53			19.59			22.57				
100	16QAM	1	1	19.51			19.61			22.57			24.5	0.0
100	64QAM	1	1	19.62			19.55			22.60			24.5	0.0
100	256QAM	1	1	17.50			17.55			20.98			21.5	3.0



Reduced Power Mode for DSIS UL MIMO

n2				Ant 2			Ant 3			Ant 2+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000			
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PQ2 BPSK	1	1	22.48	22.55	22.46	22.10	22.13	22.02	25.30	25.36	25.26	26.5	0.0	
40	PQ2 BPSK	1	108	22.49	22.49	22.53	22.03	22.13	22.07	25.28	25.32	25.32			
40	PQ2 BPSK	1	214	22.55	22.45	22.40	21.99	22.01	22.03	25.29	25.25	25.23			
40	PQ2 BPSK	108	0	21.51	21.70	21.62	21.59	21.66	21.53	24.61	24.69	24.59	26.0	0.5	
40	PQ2 BPSK	108	54	22.42	22.53	22.45	21.96	22.03	22.11	25.21	25.30	25.29	26.5	0.0	
40	PQ2 BPSK	108	108	21.79	21.80	21.72	21.61	21.72	21.57	24.71	24.77	24.66	26.0	0.5	
40	PQ2 BPSK	216	0	21.79	21.88	21.73	21.66	21.69	21.56	24.74	24.80	24.66	26.5	0.0	
40	QPSK	1	1	22.50	22.50	22.55	22.11	22.11	22.12	25.35	25.39	25.35			
40	QPSK	1	108	22.47	22.55	22.44	22.03	22.12	22.07	25.27	25.35	25.27			
40	QPSK	1	214	22.49	22.45	22.43	22.03	22.10	22.02	25.28	25.29	25.24	26.5	1.0	
40	QPSK	108	0	21.13	21.15	21.11	21.12	21.17	21.07	24.14	24.17	24.10			
40	QPSK	108	54	22.43	22.48	22.48	21.99	22.09	22.05	25.24	25.30	25.28			
40	QPSK	108	108	21.09	21.19	21.16	21.13	21.15	21.05	24.12	24.18	24.09	26.5	0.0	
40	QPSK	216	0	21.13	21.20	21.14	21.17	21.20	21.16	24.15	24.21	24.16	25.5	1.0	
40	16QAM	1	1	21.58	21.65	21.60	21.06	21.16	21.05	24.34	24.42	24.34	25.5	1.0	
40	64QAM	1	1	19.86	20.00	19.99	19.51	19.65	19.51	22.70	22.84	22.77	24.5	2.0	
40	256QAM	1	1	17.60	17.70	17.61	17.59	17.66	17.56	20.61	20.69	20.61	22.5	4.0	

n2				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000			
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PQ2 BPSK	1	1	22.43	22.55	22.53	22.25	22.33	22.26	25.35	25.45	25.41	26.5	0.0	
40	PQ2 BPSK	1	108	22.43	22.56	22.47	22.33	22.30	22.32	25.39	25.44	25.41			
40	PQ2 BPSK	1	214	22.48	22.60	22.51	22.34	22.33	22.35	25.42	25.48	25.44			
40	PQ2 BPSK	108	0	21.61	21.70	21.62	21.68	22.00	21.93	24.76	24.86	24.79	26.0	0.5	
40	PQ2 BPSK	108	54	22.41	22.60	22.50	22.36	22.35	22.22	25.40	25.49	25.37	26.5	0.0	
40	PQ2 BPSK	108	108	21.79	21.80	21.72	21.85	21.98	21.96	24.83	24.90	24.85	26.0	0.5	
40	PQ2 BPSK	216	0	21.79	21.88	21.73	21.80	21.95	21.93	24.81	24.93	24.84			
40	QPSK	1	1	22.53	22.64	22.63	22.38	22.42	22.36	25.48	25.54	25.49			
40	QPSK	1	108	22.40	22.56	22.57	22.37	22.35	22.26	25.40	25.44	25.43	26.5	0.0	
40	QPSK	1	214	22.42	22.52	22.59	22.34	22.35	22.23	25.39	25.45	25.42			
40	QPSK	108	0	21.13	21.15	21.11	21.54	21.57	21.56	24.35	24.38	24.35			
40	QPSK	108	54	22.52	22.61	22.45	22.34	22.38	22.30	25.44	25.51	25.39	26.5	0.0	
40	QPSK	108	108	21.09	21.19	21.16	21.57	21.65	21.52	24.35	24.44	24.35	25.5	1.0	
40	QPSK	216	0	21.13	21.20	21.14	21.52	21.60	21.51	24.34	24.41	24.34	25.5	1.0	
40	16QAM	1	1	21.58	21.65	21.60	21.79	21.87	21.80	24.70	24.77	24.71	25.5	1.0	
40	64QAM	1	1	19.86	20.00	19.99	20.34	20.35	20.27	23.12	23.19	23.14	24.5	2.0	
40	256QAM	1	1	17.60	17.70	17.61	17.82	17.97	17.96	20.72	20.85	20.80	22.5	4.0	

n2				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500	27.0	0.0
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	22.78	22.86	22.79	22.48	22.57	22.50	25.64	25.73	25.66	27.0	0.0
40	PI2 BPSK	1	108	22.86	22.75	22.60	22.50	22.52	22.90	25.59	25.65	25.56		
40	PI2 BPSK	1	214	22.69	22.60	22.68	22.52	22.56	22.50	25.62	25.69	25.60		
40	PI2 BPSK	108	0	21.61	21.62	21.56	21.59	21.65	21.53	24.61	24.65	24.56	26.0	1.0
40	PI2 BPSK	108	54	22.83	22.88	22.74	22.46	22.55	22.42	25.66	25.73	25.69	27.0	0.0
40	PI2 BPSK	108	108	21.98	21.70	21.64	21.61	21.72	21.57	24.80	24.72	24.62	26.0	1.0
40	PI2 BPSK	216	0	21.59	21.66	21.53	21.66	21.69	21.56	24.64	24.69	24.56		
40	QPSK	1	1	22.84	22.59	22.59	22.52	22.60	22.55	25.69	25.76	25.73		
40	QPSK	1	108	22.85	22.86	22.72	22.49	22.57	22.43	25.67	25.73	25.60	27.0	0.0
40	QPSK	1	214	22.70	22.80	22.78	22.40	22.50	22.35	25.56	25.66	25.58		
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.39	24.44	24.36		
40	QPSK	108	54	22.81	22.85	22.70	22.37	22.52	22.51	25.61	25.70	25.62	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.15	21.00	24.39	24.44	24.35	25.5	1.5
40	QPSK	216	0	21.60	21.65	21.53	21.17	21.20	21.16	24.41	24.44	24.36	25.5	1.0
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.16	21.05	24.40	24.53	24.41	25.5	1.5
40	64QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94	24.5	2.5
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	4.5

n25				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500	26.0	0.0
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	22.51	22.60	22.52	22.28	22.37	22.38	25.41	25.50	25.46	26.5	0.0
40	PI2 BPSK	1	108	22.54	22.55	22.59	22.28	22.32	22.36	25.42	25.45	25.49		
40	PI2 BPSK	1	214	22.56	22.68	22.63	22.35	22.28	22.32	25.47	25.49	25.49		
40	PI2 BPSK	108	0	21.89	21.96	21.81	21.63	21.67	21.62	24.77	24.83	24.73	26.0	0.5
40	PI2 BPSK	108	54	22.61	22.65	22.65	22.28	22.42	22.26	25.46	25.55	25.47	26.5	0.0
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.60	21.75	21.71	24.74	24.84	24.75	26.0	0.5
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.61	21.70	21.63	24.71	24.79	24.70		
40	QPSK	1	1	22.64	22.70	22.66	22.40	22.43	22.43	25.53	25.58	25.55		
40	QPSK	1	108	22.55	22.68	22.52	22.34	22.42	22.38	25.46	25.56	25.41	26.5	0.0
40	QPSK	1	214	22.49	22.57	22.65	22.36	22.39	22.33	25.44	25.49	25.50		
40	QPSK	108	0	21.49	21.55	21.47	21.09	21.17	21.14	24.30	24.37	24.32		
40	QPSK	108	54	22.56	22.63	22.59	22.25	22.40	22.37	25.43	25.53	25.49	26.5	0.0
40	QPSK	108	108	21.44	21.50	21.36	21.09	21.13	21.09	24.28	24.33	24.23	25.5	1.0
40	QPSK	216	0	21.43	21.45	21.30	21.02	21.10	21.04	24.24	24.31	24.19	25.5	1.0
40	16QAM	1	1	21.54	21.66	21.54	21.15	21.30	21.18	24.36	24.49	24.37	25.5	1.0
40	64QAM	1	1	20.22	20.25	20.14	19.84	19.88	19.77	23.04	23.08	22.97	24.5	2.0
40	256QAM	1	1	17.69	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64	22.5	4.0

n25				Ant 2			Ant 1			Ant 2+1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Power Low	Power Middle	Power High	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)				
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			Ch. / Freq.			
				Channel				314400	316500	319000	314400	316500			319000	314400	316500	319000
				Frequency (MHz)				1870	1882.5	1895	1870	1882.5			1895	1870	1882.5	1895
40	PQ2 BPSK	1	1	22.48	22.54	22.62	22.91	23.01	22.99	25.71	25.79	25.77	26.5	0.0				
40	PQ2 BPSK	1	108	22.50	22.62	22.48	22.99	22.96	23.02	25.76	25.80	25.77						
40	PQ2 BPSK	1	214	22.61	22.66	22.69	22.73	23.03	23.04	25.63	25.86	25.83						
40	PQ2 BPSK	108	0	21.99	21.96	21.81	21.87	22.12	22.10	24.89	25.05	24.97	26.0	0.5				
40	PQ2 BPSK	108	54	22.55	22.66	22.50	22.94	22.95	23.00	25.76	25.82	25.77	26.5	0.0				
40	PQ2 BPSK	108	108	21.85	21.90	21.76	21.94	22.21	22.22	24.91	25.07	25.01	26.0	0.5				
40	PQ2 BPSK	216	0	21.79	21.85	21.74	21.81	22.11	22.08	24.81	24.99	24.92	26.5	0.0				
40	QPSK	1	1	22.66	22.67	22.63	23.03	23.00	23.06	25.81	25.80	25.86						
40	QPSK	1	108	22.44	22.52	22.55	22.86	22.87	22.86	25.07	25.76	25.77						
40	QPSK	1	214	22.49	22.55	22.52	22.85	23.09	23.06	25.68	25.84	25.81	26.5	1.0				
40	QPSK	108	0	21.49	21.55	21.47	21.17	21.45	21.45	24.34	24.51	24.47						
40	QPSK	108	54	22.57	22.63	22.35	22.34	23.08	23.06	25.77	25.87	25.83						
40	QPSK	108	108	21.44	21.50	21.35	21.22	21.52	21.49	24.34	24.52	24.43	25.5	1.0				
40	QPSK	216	0	21.43	21.48	21.30	21.16	21.43	21.40	24.31	24.45	24.36	25.5	1.0				
40	16QAM	1	1	21.54	21.66	21.54	21.55	21.83	21.79	24.56	24.76	24.68						
40	64QAM	1	1	20.22	20.25	20.14	20.10	20.40	20.40	23.17	23.34	23.28						
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	4.0				

n25				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power High	Power Low	Power Low	Power High	Power Low	Power Low	Power High	Power High	Turn-up limit (dBm)	MPR (dB)
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.				
				Channel										
				314500	3176500	319000	314500	3176500	319000	314500	3176500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PQ2 BPSK	1	1	23.23	23.63	23.67	22.86	22.94	22.89	26.06	26.31	26.25	27.0	0.0
40	PQ2 BPSK	1	108	23.04	23.45	23.43	22.76	22.80	22.79	25.91	26.15	26.13		
40	PQ2 BPSK	1	214	23.21	23.61	23.64	22.62	22.76	22.73	25.94	26.22	26.16		
40	PQ2 BPSK	108	0	21.99	22.38	22.33	21.63	21.67	21.62	24.82	25.05	25.00	26.0	1.0
40	PQ2 BPSK	108	54	22.98	23.37	23.33	22.77	22.82	22.71	25.89	26.11	26.04	27.0	0.0
40	PQ2 BPSK	108	108	22.07	22.45	22.42	21.60	21.75	21.71	24.85	25.12	25.09	26.0	1.0
40	PQ2 BPSK	216	0	22.00	22.40	22.33	21.61	21.70	21.63	24.82	25.07	25.00	26.0	0.0
40	QPSK	1	1	23.25	23.67	23.64	22.85	22.88	22.83	26.11	26.35	26.21		
40	QPSK	1	108	23.19	23.59	23.53	22.70	22.83	22.80	25.96	26.24	26.19		
40	QPSK	1	214	23.19	23.62	23.57	22.70	22.80	22.79	25.96	26.24	26.21	26.5	1.5
40	QPSK	108	0	21.17	21.55	21.47	21.09	21.17	21.14	24.14	24.37	24.32		
40	QPSK	108	54	22.98	23.38	23.32	22.77	22.79	22.73	25.89	26.11	26.05		
40	QPSK	108	108	21.94	21.72	21.68	21.09	21.13	21.09	24.23	24.45	24.41	25.5	1.5
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34	25.5	1.5
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64		
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18		
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	4.5

n66				Ant 2			Ant 3			Ant 2+3						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000	346000			
Frequency (MHz)				1750	1745	1760	1750	1745	1760	1750	1745	1760				
40	PI2 BPSK	1	1	22.10	22.25	22.11	22.81	22.96	22.81	25.48	25.63	25.48	27.0	0.0		
40	PI2 BPSK	1	108	22.17	22.18	22.11	22.80	22.90	22.80	25.51	25.57	25.48				
40	PI2 BPSK	1	214	22.21	22.22	22.11	22.90	22.94	22.84	25.58	25.61	25.50	26.0	1.0		
40	PI2 BPSK	108	0	22.07	22.15	22.00	21.62	21.70	21.62	24.86	24.94	24.82				
40	PI2 BPSK	108	54	23.09	23.17	23.10	22.88	22.93	22.85	26.00	26.06	25.99	27.0	0.0		
40	PI2 BPSK	108	108	21.96	22.10	22.09	21.58	21.65	21.50	24.78	24.89	24.82	26.0	1.0		
40	PI2 BPSK	216	0	22.19	22.20	22.17	21.55	21.69	21.61	24.89	24.96	24.91	27.0	0.0		
40	QPSK	1	1	23.24	23.30	23.26	22.96	23.00	22.96	26.11	26.16	26.14				
40	QPSK	1	108	23.14	23.19	23.06	22.75	22.90	22.81	25.96	26.06	25.95	27.0	0.0		
40	QPSK	1	214	23.13	23.15	23.08	22.88	22.93	22.78	26.02	26.05	25.94				
40	QPSK	108	0	21.59	21.66	21.51	21.13	21.16	21.01	24.38	24.43	24.28	25.5	1.5		
40	QPSK	108	54	23.13	23.20	23.05	22.80	22.89	22.64	25.96	26.06	25.99	27.0	0.0		
40	QPSK	108	108	21.50	21.65	21.63	21.07	21.12	21.06	24.30	24.40	24.36	25.5	1.5		
40	QPSK	216	0	21.55	21.60	21.49	21.07	21.15	21.00	24.33	24.39	24.26				
40	16QAM	1	1	21.68	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46	25.5	1.5		
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.01	23.06	23.04	24.5	2.5		
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	4.5		

n66				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	350000	346000	346000	350000	346000	346000	350000			
Frequency (MHz)				1750	1745	1760	1750	1745	1760	1750	1745	1760			
40	PI2 BPSK	1	1	23.25	23.32	23.26	23.28	23.67	23.64	26.28	26.51	26.46	27.0	0.0	
40	PI2 BPSK	1	108	23.29	23.38	23.33	23.41	23.78	23.73	26.36	26.59	26.54			
40	PI2 BPSK	1	214	23.29	23.35	23.30	23.12	23.54	23.48	26.22	26.46	26.40	26.0	1.0	
40	PI2 BPSK	108	0	22.04	22.09	22.01	22.14	22.55	22.49	25.10	25.34	25.27			
40	PI2 BPSK	108	54	23.17	23.22	23.17	23.13	23.52	23.49	26.16	26.38	26.34	27.0	0.0	
40	PI2 BPSK	108	108	22.05	22.12	22.07	22.14	22.56	22.52	25.11	25.36	25.31	26.0	1.0	
40	PI2 BPSK	216	0	22.06	22.14	22.07	22.00	22.42	22.41	25.04	25.29	25.25	27.0	0.0	
40	QPSK	1	1	23.33	23.39	23.33	23.41	23.81	23.75	26.36	26.62	26.58			
40	QPSK	1	108	23.22	23.31	23.23	23.32	23.74	23.73	26.29	26.54	26.50	27.0	0.0	
40	QPSK	1	214	23.30	23.36	23.28	23.34	23.76	23.70	26.33	26.57	26.51			
40	QPSK	108	0	21.24	21.30	21.27	21.29	21.68	21.64	24.28	24.50	24.47	25.5	1.5	
40	QPSK	108	54	23.23	23.37	23.31	23.31	23.70	23.66	26.31	26.55	26.50	27.0	0.0	
40	QPSK	108	108	21.35	21.42	21.38	21.38	21.75	21.69	24.37	24.60	24.55	25.5	1.5	
40	QPSK	216	0	21.22	21.26	21.24	21.30	21.68	21.67	24.27	24.50	24.47			
40	16QAM	1	1	21.66	21.72	21.64	21.76	22.14	22.11	24.72	24.99	24.89	25.5	1.5	
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40	24.5	2.5	
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	4.5	

n66				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346600	346900	352000	346600	346900	352000	346600	346900	352000			
Frequency [MHz]				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PI2 BPSK	1	1	23.38	23.48	23.39	22.81	22.98	22.81	26.11	26.24	26.12	27.0	0.0	
40	PI2 BPSK	1	108	23.34	23.45	23.38	22.80	22.90	22.80	26.09	26.19	26.11			
40	PI2 BPSK	1	214	23.30	23.40	23.35	22.80	22.94	22.84	26.11	26.19	26.11			
40	PI2 BPSK	108	0	22.68	22.69	22.67	21.62	21.70	21.62	25.19	25.23	25.19	26.0	1.0	
40	PI2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0	
40	PI2 BPSK	108	108	22.60	22.65	22.57	21.58	21.65	21.50	25.13	25.19	25.08	26.0	1.0	
40	PI2 BPSK	216	0	22.69	22.70	22.57	21.55	21.69	21.61	25.17	25.23	25.13			
40	QPSK	1	1	23.46	23.50	23.43	22.95	23.08	22.98	26.22	26.27	26.20			
40	QPSK	1	108	23.37	23.44	23.39	22.75	22.80	22.81	26.08	26.19	26.12	27.0	0.0	
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.05			
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54			
40	QPSK	108	54	23.34	23.45	23.38	22.80	22.89	22.84	26.09	26.19	26.13	27.0	0.0	
40	QPSK	108	108	22.00	22.15	22.02	21.07	21.12	21.06	24.57	24.68	24.58	25.5	1.5	
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.15	21.00	24.64	24.72	24.58	25.5	1.5	
40	16QAM	1	1	20.30	20.33	20.21	19.34	19.38	19.23	24.86	24.89	24.76	25.5	1.5	
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.67	23.27	23.37	23.31	24.5	2.5	
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	4.5	

FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3					
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co. (Freq.)	Power Max Co. (Freq.)	Power High Co. (Freq.)	FCC Power Low Co. (Freq.)	Power Max Co. (Freq.)	Power High Co. (Freq.)	FCC Power Low Co. (Freq.)	Power Max Co. (Freq.)	Power High Co. (Freq.)	Time-up limit (dBm)	MPE (dB)	
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000			
Frequency (MHz)				2441.5	2522.5	2614	2441.5	2522.5	2614	2441.5	2522.5	2614			
100	PSSBPSK	1	1	22.80	23.36	23.93	22.83	22.85	22.87	22.86	25.74	26.16	26.56		
100	PSSBPSK	1	137	22.76	23.20	23.15	22.83	22.82	22.75	25.71	26.02	25.96	27.0	0.0	
100	PSSBPSK	1	271	22.80	23.02	23.08	22.81	22.85	22.77	25.67	25.87	25.94			
100	PSSBPSK	135	5	22.86	23.15	23.12	22.46	22.75	22.63	25.57	25.96	25.89	27.0	0.0	
100	PSSBPSK	135	89	22.72	23.27	23.32	22.83	22.77	22.81	25.69	26.04	25.99	27.0	0.0	
100	PSSBPSK	135	139	22.81	23.03	23.15	22.41	22.85	22.58	25.52	25.88	25.85			
100	PSSBPSK	215	5	22.93	23.16	23.22	22.57	22.85	22.80	25.59	25.94	25.93	27.0	0.0	
100	QPSK	1	1	22.82	23.44	23.37	22.77	23.56	22.84	22.87	26.22	26.31			
100	QPSK	1	137	22.86	23.36	23.49	22.88	22.91	22.79	25.82	26.12	26.08	27.0	0.0	
100	QPSK	1	271	22.75	23.15	23.17	22.58	22.75	22.77	25.85	25.95	25.98			
100	QPSK	135	5	22.74	23.26	23.22	22.59	22.75	22.73	25.68	26.04	25.99	27.0	0.0	
100	QPSK	135	89	22.82	23.17	23.18	22.47	22.74	22.64	25.59	25.97	25.93	27.0	0.0	
100	QPSK	135	139	22.89	23.07	23.18	22.47	22.74	22.64	25.59	25.97	25.93	27.0	0.0	
100	QPSK	215	5	22.88	23.07	23.24	22.85	22.83	22.72	25.68	26.07	26.00	27.0	0.0	
100	SSBQAM	1	1	22.82	22.38	22.54	22.84	22.98	22.74	25.73	26.19	26.28	27.0	0.0	
100	SSBQAM	1	1	22.90	23.36	23.35	22.85	22.91	22.74	25.75	26.15	26.07	27.0	0.0	
100	SSBQAM	1	1	20.94	21.19	21.25	20.94	20.88	20.85	23.80	24.05	23.97	26.5	1.5	

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3				
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co. (Freq.)	Power Max Co. (Freq.)	Power High Co. (Freq.)	FCC Power Low Co. (Freq.)	Power Max Co. (Freq.)	Power High Co. (Freq.)	FCC Power Low Co. (Freq.)	Power Max Co. (Freq.)	Power High Co. (Freq.)	Time-up limit (dBm)	MPE (dB)
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				2441.5	2522.5	2614	2441.5	2522.5	2614	2441.5	2522.5	2614		
100	PSSBPSK	1	1	25.84	26.33	26.38	25.85	25.92	25.77	28.81	29.14	29.04		
100	PSSBPSK	1	137	25.24	25.81	25.87	25.85	25.52	25.19	28.16	28.48	28.39	30.0	0.0
100	PSSBPSK	1	271	25.39	25.77	25.70	25.88	25.26	25.11	28.25	28.54	28.43		
100	PSSBPSK	135	5	24.98	24.64	24.79	24.24	24.52	24.37	27.42	27.89	27.99	29.0	1.0
100	PSSBPSK	135	89	25.25	25.82	25.58	25.88	25.23	25.86	28.18	28.46	28.34	30.0	0.0
100	PSSBPSK	135	139	24.52	24.73	24.71	24.25	24.81	24.33	27.40	27.83	27.83	29.0	1.0
100	PSSBPSK	215	5	24.54	24.85	24.82	24.28	24.87	24.36	27.42	27.77	27.87		
100	QPSK	1	1	25.82	26.44	26.40	25.81	26.12	26.04	28.80	29.28	29.19		
100	QPSK	1	137	25.19	26.15	26.09	26.45	25.74	25.55	28.80	28.89	28.85	30.0	0.0
100	QPSK	1	271	25.85	25.86	25.95	25.23	25.45	25.31	28.61	28.74	28.85		
100	QPSK	135	5	24.31	24.89	24.85	24.82	24.52	24.14	27.18	27.52	27.41	28.5	1.5
100	QPSK	135	89	26.07	26.07	26.07	25.92	25.77	25.77	28.81	28.81	28.81	30.0	0.0
100	QPSK	135	139	24.07	24.46	24.40	24.03	24.28	24.11	27.08	27.38	27.27	29.5	1.5
100	QPSK	215	5	24.25	24.84	24.80	24.94	24.50	24.03	27.18	27.44	27.53	29.0	1.5
100	SSBQAM	1	1	25.49	25.88	25.95	25.16	25.44	25.26	28.33	28.68	28.38	29.0	1.0
100	SSBQAM	1	1	25.92	26.73	23.71	25.18	23.45	23.35	26.27	26.81	26.53	27.5	2.5
100	SSBQAM	1	1	20.95	21.04	21.32	20.89	20.88	20.80	23.83	24.17	24.09	26.5	4.5



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	252.64	254.61	254.61	252.64	254.61	254.61	252.64	254.61		
100	PQ2-BPSK	1	1	22.41	22.64	22.88	22.88	22.88	22.76	25.95	25.97	25.83		0.0
100	PQ2-BPSK	1	137	22.18	22.64	22.87	22.81	22.85	22.88	25.41	25.88	25.83		
100	PQ2-BPSK	1	271	22.15	22.67	22.85	22.47	22.77	22.84	25.32	25.73	25.73		
100	PQ2-BPSK	135	5	22.05	22.75	22.75	22.51	22.76	22.97	25.30	25.75	25.87	27.0	0.0
100	PQ2-BPSK	135	66	22.26	22.67	22.81	22.50	22.85	22.88	25.39	25.87	25.75	27.0	
100	PQ2-BPSK	135	138	22.05	22.67	22.89	22.26	22.69	22.85	25.18	25.87	25.88		0.0
100	PQ2-BPSK	255	5	22.21	22.83	22.82	22.43	22.77	22.75	25.33	25.80	25.85		
100	QPSK	1	1	22.44	22.64	22.82	22.29	22.85	22.81	25.82	26.09	25.85		
100	QPSK	1	137	22.38	22.64	22.81	22.67	22.88	22.78	25.51	25.96	25.96	27.0	0.0
100	QPSK	1	271	22.24	22.52	22.89	22.54	22.82	22.84	25.40	25.88	25.75		
100	QPSK	135	5	22.18	22.65	22.88	22.58	22.88	22.88	25.38	25.89	25.78	27.0	0.0
100	QPSK	135	66	22.44	22.65	22.87	22.25	22.85	22.81	25.87	25.95	25.87		0.0
100	QPSK	135	138	22.12	22.75	22.78	22.43	22.77	22.55	25.29	25.78	25.87	27.0	0.0
100	QPSK	255	5	22.27	22.85	22.85	22.53	22.83	22.81	25.41	25.82	25.84		
100	SSB-AM	1	1	22.46	22.64	22.88	22.29	22.88	22.77	25.59	25.99	25.97	27.0	0.0
100	SSB-AM	1	1	22.52	22.85	22.98	22.64	22.94	22.88	25.49	25.92	25.93	27.0	0.0
100	SSB-AM	1	1	26.35	25.14	25.11	26.39	26.68	21.09	23.88	24.08	24.45	26.5	1.5

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	252.64	254.61	254.61	252.64	254.61	254.61	252.64	254.61		
100	PQ2-BPSK	1	1	25.43	25.97	25.92	25.72	25.94	25.92	25.92	25.97	25.85		
100	PQ2-BPSK	1	137	25.04	25.46	25.40	25.02	25.17	25.03	28.04	28.33	28.23	30.0	0.0
100	PQ2-BPSK	1	271	25.01	25.45	25.40	25.03	25.18	25.03	28.03	28.32	28.23		
100	PQ2-BPSK	135	5	24.52	25.04	25.02	24.97	24.71	24.56	27.86	27.89	27.81	29.0	1.0
100	PQ2-BPSK	135	66	25.00	25.22	25.18	25.07	25.11	25.07	28.05	28.18	28.14	30.0	0.0
100	PQ2-BPSK	135	138	24.14	24.05	24.58	24.38	24.48	27.27	27.63	27.63	27.63	29.0	1.0
100	PQ2-BPSK	255	5	24.25	25.00	25.08	24.38	24.82	24.48	27.33	27.62	27.60		
100	QPSK	1	1	25.02	25.29	25.00	25.03	25.05	25.01	25.02	25.05	25.07		
100	QPSK	1	137	25.06	25.51	25.48	25.01	25.09	25.46	28.41	28.53	28.44	30.0	0.0
100	QPSK	1	271	25.00	25.44	25.40	25.19	25.42	25.27	28.11	28.44	28.35		
100	QPSK	135	5	24.09	24.01	24.57	24.37	24.57	24.44	27.24	27.60	27.52	28.5	1.0
100	QPSK	135	66	24.04	24.04	24.57	24.37	24.54	24.47	27.45	27.60	27.57	28.5	0.0
100	QPSK	135	138	24.01	24.35	24.26	24.09	24.26	24.10	27.08	27.29	27.21	28.5	1.0
100	QPSK	255	5	24.01	24.52	24.48	24.01	24.23	24.12	27.62	27.59	27.51		
100	SSB-AM	1	1	25.05	25.28	25.51	25.28	25.54	25.42	28.20	28.56	28.49	29.0	1.0
100	SSB-AM	1	1	25.02	25.54	25.48	25.25	25.45	25.38	28.15	28.52	28.44	27.5	2.5
100	SSB-AM	1	1	29.87	21.09	21.13	20.81	21.01	20.87	25.75	24.11	24.61	25.5	4.0



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	512.64	254.61	254.61	254.61	254.61	254.61	254.61	254.61		
100	PQ2-BPSK	1	1	22.70	23.11	22.88	22.88	22.88	22.84	25.69	25.97	25.77		
100	PQ2-BPSK	1	137	22.80	22.84	22.75	22.53	22.92	22.81	25.58	25.94	25.64	27.0	0.0
100	PQ2-BPSK	1	271	22.80	22.84	22.73	22.45	22.76	22.43	25.54	25.81	25.59		
100	PQ2-BPSK	135	5	22.49	22.80	22.75	22.47	22.85	22.55	25.49	25.89	25.64	27.0	0.0
100	PQ2-BPSK	135	66	22.81	22.83	22.83	22.59	22.89	22.85	25.80	26.02	25.73	27.0	0.0
100	PQ2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	25.38	25.82	25.62		0.0
100	PQ2-BPSK	255	5	22.57	22.80	22.85	22.52	22.82	22.47	25.58	25.87	25.65		
100	QPSK	1	1	22.70	23.10	22.88	22.52	22.88	22.89	25.77	26.14	25.67		
100	QPSK	1	137	22.73	23.04	22.89	22.62	22.87	22.85	25.79	26.02	25.78	27.0	0.0
100	QPSK	1	271	22.85	22.92	22.75	22.54	22.83	22.51	25.83	25.89	25.85		
100	QPSK	135	5	22.58	23.04	22.85	22.59	22.87	22.59	25.57	26.02	25.73	27.0	0.0
100	QPSK	135	66	22.46	22.91	22.75	22.47	22.85	22.52	25.59	25.87	25.65	27.0	0.0
100	QPSK	135	138	22.46	22.91	22.75	22.45	22.88	22.52	25.44	25.91	25.65	27.0	0.0
100	QPSK	255	5	22.92	22.85	22.83	22.58	22.85	22.53	25.81	25.97	25.74		
100	SSB-AM	1	1	22.71	25.15	25.01	22.61	23.59	22.38	25.67	26.15	25.96	27.0	0.0
100	SSB-AM	1	1	22.79	25.15	25.05	22.62	23.62	22.65	25.72	26.39	25.94	27.0	0.0
100	SSB-AM	1	1	26.39	26.71	26.57	26.69	26.47	26.63	27.63	27.76	27.61	26.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	FCC Power Hgh Ch. [Freq.]	Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)	
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052			
Frequency [MHz]				254.61	512.64	254.61	254.61	512.64	254.61	254.61	512.64	254.61	254.61		
100	PQ2-BPSK	1	1	25.82	26.15	25.92	25.73	26.05	25.73	28.79	29.10	28.84			
100	PQ2-BPSK	1	137	25.32	25.59	25.39	25.19	25.52	25.09	28.26	28.46	28.21	30.0	0.0	
100	PQ2-BPSK	1	271	25.21	25.55	25.34	25.05	25.36	25.01	28.14	28.48	28.19			
100	PQ2-BPSK	135	5	24.52	24.81	24.58	24.29	24.51	24.17	27.37	27.67	27.39	29.0	1.0	
100	PQ2-BPSK	135	66	25.22	25.52	25.34	25.12	25.26	25.15	28.17	28.40	28.26	30.0	0.0	
100	PQ2-BPSK	135	138	24.23	24.55	24.31	24.07	24.11	24.07	27.17	27.34	27.25	29.0	1.0	
100	PQ2-BPSK	255	5	24.36	24.71	24.51	24.17	24.30	24.16	27.29	27.52	27.35			
100	QPSK	1	1	25.82	26.39	26.06	25.81	26.14	25.79	28.84	29.17	28.99			
100	QPSK	1	137	25.79	26.07	25.88	25.69	26.04	25.76	28.78	28.98	28.71	30.0	0.0	
100	QPSK	1	271	25.25	25.58	25.35	25.01	25.32	25.00	28.16	28.46	28.15			
100	QPSK	135	5	24.06	24.39	24.21	24.09	24.23	24.23	27.69	27.32	27.23	28.5	1.0	
100	QPSK	135	66	24.06	24.39	24.06	24.06	24.06	24.06	27.69	27.32	27.23	28.5	0.0	
100	QPSK	135	138	24.06	24.36	24.06	24.05	24.11	24.04	27.67	27.22	27.05	28.0	0.0	
100	QPSK	255	5	24.02	24.25	24.08	24.21	24.25	24.23	27.15	27.25	27.17		1.0	
100	SSB-AM	1	1	25.80	26.23	26.10	25.59	25.59	25.54	28.69	28.27	28.69	29.0	1.0	
100	SSB-AM	1	1	25.02	25.51	25.10	25.00	25.22	22.87	25.97	26.28	26.05	27.5	2.5	
100	SSB-AM	1	1	26.38	26.78	26.59	26.67	26.76	26.83	27.63	27.76	27.62	26.5	4.0	



Part96_n48				Ant 4			Ant 8			Ant 4+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				18.93	19.14	19.35	18.93	19.14	19.35	18.93	19.14	19.35		
40	QPSK	1	1	19.93	19.97	19.98	19.45	19.47	19.48	22.71	22.74	22.86		
40	QPSK	1	53	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48	24.0	0.0
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59		
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.89	20.99	21.11	21.02	22.5	1.5
40	QPSK	53	27	19.87	19.93	19.96	19.23	19.32	19.19	22.57	22.65	22.54	24.0	0.0
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05		1.5
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25	22.5	1.5
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	23.5	0.5
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	2.5
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	4.5

Part96_n48				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				18.93	19.14	19.35	18.93	19.14	19.35	18.93	19.14	19.35		
40	QPSK	1	1	19.41	19.53	19.45	17.60	17.71	17.61	21.61	21.72	21.64		
40	QPSK	1	53	19.38	19.42	19.44	17.48	17.57	17.55	21.54	21.60	21.61	23.5	0.0
40	QPSK	1	104	19.39	19.38	19.42	17.52	17.63	17.56	21.57	21.60	21.60		
40	QPSK	53	0	18.21	18.32	18.21	16.63	16.69	16.72	20.50	20.59	20.54	22.5	1.0
40	QPSK	53	27	19.33	19.42	19.40	17.49	17.66	17.63	21.61	21.64	21.66	23.5	0.0
40	QPSK	53	53	18.29	18.34	18.29	16.64	16.70	16.63	20.55	20.61	20.55		1.0
40	QPSK	106	0	18.53	18.60	18.46	16.63	16.71	16.65	20.69	20.77	20.66	22.5	1.0
40	16QAM	1	1	19.26	19.37	19.23	17.58	17.66	17.63	21.51	21.61	21.51	23.5	0.0
40	64QAM	1	1	17.34	17.36	17.31	16.75	16.81	16.73	19.63	19.66	19.60	21.5	2.0
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.91	17.95	17.90	19.5	4.0



Part96_n48				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
				638000	641666	645332	638000	641666	645332	638000	641666	645332				
Channel				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98				
Frequency (MHz)				19.45	19.46	19.39	19.47	19.40	22.44	22.48	22.40					
40	QPSK	1	1	19.27	19.27	19.30	19.19	19.25	19.12	22.24	22.27	22.22	24.0	0.0		
40	QPSK	1	53	19.37	19.44	19.29	19.40	19.38	19.37	22.40	22.42	22.34				
40	QPSK	1	104	19.37	19.44	19.29	19.40	19.38	19.37	22.40	22.42	22.34				
40	QPSK	53	0	17.91	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.82	22.5	1.5		
40	QPSK	53	27	19.23	19.43	19.26	19.22	19.32	19.19	22.30	22.39	22.26	24.0	0.0		
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86	22.5	1.5		
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06				
40	16QAM	1	1	19.08	19.10	19.03	18.93	19.09	18.98	22.02	22.11	22.02	23.5	0.5		
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	2.5		
40	256QAM	1	1	14.72	14.69	14.67	14.56	14.64	14.57	17.65	17.68	17.63	19.5	4.5		

Part96_n48				Ant 3			Ant 6			Ant 3+6			Tune-up limit (dBm)	MPR (dB)
RBs/MHz	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98		
40	QPSK	1	1	17.85	17.90	17.88	16.35	16.41	16.38	20.12	20.20	20.09		
40	QPSK	1	53	17.82	17.87	17.78	16.26	16.39	16.25	20.12	20.20	20.09	22.0	
40	QPSK	1	104	17.72	17.82	17.85	16.32	16.37	16.35	20.09	20.17	20.17		
40	QPSK	53	0	17.73	17.77	17.72	16.23	16.24	16.32	20.05	20.08	20.09	22.0	
40	QPSK	53	27	17.76	17.86	17.86	16.29	16.37	16.36	20.06	20.20	20.19	22.0	
40	QPSK	53	53	17.74	17.85	17.84	16.23	16.24	16.16	20.06	20.13	20.09	22.0	
40	QPSK	106	0	17.79	17.87	17.83	16.26	16.33	16.32	20.10	20.18	20.15	22.0	
40	16QAM	1	1	17.71	17.87	17.87	16.30	16.38	16.30	20.07	20.20	20.17	22.0	
40	64QAM	1	1	17.11	17.13	17.01	15.46	15.51	15.41	19.37	19.41	19.28	21.0	
40	256QAM	1	1	14.90	15.00	14.96	13.15	13.19	13.07	17.12	17.20	17.15	19.0	

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

Part27Q_n77(PC2)				Ant 3			Ant 6			Ant 3+6			Time-up test (min)	MPPT (kW)
Ref (MHz)	Modulation	RF Data	RF Offset	Power (W) Ch. 1 (Freq.)	Power (W) Ch. 2 (Freq.)	Power (W) Ch. 3 (Freq.)	Power (W) Ch. 1 (Freq.)	Power (W) Ch. 2 (Freq.)	Power (W) Ch. 3 (Freq.)	Power (W) Ch. 1 (Freq.)	Power (W) Ch. 2 (Freq.)	Power (W) Ch. 3 (Freq.)		
Frequency (MHz)				3000-30			3000-30			3000-30				
100	Full-BPSK	1	1	40.00			22.00			40.00			20.5	0.0
100	Full-BPSK	1	107	22.00			22.00			22.00				
100	Full-BPSK	1	171	22.00			22.00			22.00				
100	Full-BPSK	100	0	22.00			22.00			22.00			20.5	0.0
100	Full-BPSK	100	80	22.00			22.00			22.00			20.5	0.0
100	Full-BPSK	100	150	22.00			22.00			22.00			20.5	0.0
100	Full-BPSK	200	0	22.00			22.00			22.00			20.5	0.0
100	QPSK	1	1	22.00			22.00			22.00			20.5	0.0
100	QPSK	1	107	22.00			22.00			22.00			20.5	0.0
100	QPSK	1	171	22.00			22.00			22.00			20.5	0.0
100	QPSK	100	0	22.00			22.00			22.00			20.5	0.0
100	QPSK	100	80	22.00			22.00			22.00			20.5	0.0
100	QPSK	100	150	22.00			22.00			22.00			20.5	0.0
100	QPSK	200	0	22.00			22.00			22.00			20.5	0.0
100	QAM64	1	1	22.00			22.00			22.00			20.5	0.0
100	QAM64	1	1	22.00			22.00			22.00			20.5	0.0

Part27Q_n77(PC1.5)				Ant 3			Ant 6			Ant 3+6			Time-up test (min)	MPPT (kW)
Ref (MHz)	Modulation	RF Data	RF Offset	Power (W) Ch. 1 (Freq.)	Power (W) Ch. 2 (Freq.)	Power (W) Ch. 3 (Freq.)	Power (W) Ch. 1 (Freq.)	Power (W) Ch. 2 (Freq.)	Power (W) Ch. 3 (Freq.)	Power (W) Ch. 1 (Freq.)	Power (W) Ch. 2 (Freq.)	Power (W) Ch. 3 (Freq.)		
Frequency (MHz)				3000-30			3000-30			3000-30				
100	Full-BPSK	1	1	40.00			22.00			40.00			20.5	0.0
100	Full-BPSK	1	107	22.00			22.00			22.00				
100	Full-BPSK	1	171	22.00			22.00			22.00				
100	Full-BPSK	100	0	22.00			22.00			22.00			20.5	0.0
100	Full-BPSK	100	80	22.00			22.00			22.00			20.5	0.0
100	Full-BPSK	100	150	22.00			22.00			22.00			20.5	0.0
100	Full-BPSK	200	0	22.00			22.00			22.00			20.5	0.0
100	QPSK	1	1	22.00			22.00			22.00			20.5	0.0
100	QPSK	1	107	22.00			22.00			22.00			20.5	0.0
100	QPSK	1	171	22.00			22.00			22.00			20.5	0.0
100	QPSK	100	0	22.00			22.00			22.00			20.5	0.0
100	QPSK	100	80	22.00			22.00			22.00			20.5	0.0
100	QPSK	100	150	22.00			22.00			22.00			20.5	0.0
100	QPSK	200	0	22.00			22.00			22.00			20.5	0.0
100	QAM64	1	1	22.00			22.00			22.00			20.5	0.0
100	QAM64	1	1	22.00			22.00			22.00			20.5	0.0

[illegible]

Part270_n77(PC1.5)				Ant 3				Ant 6				Ant 3+6				Average gain dB	Slope dB/dec
Port ID	Antenna	RF Size	RF Offset	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm	Power Level dBm			
Channel				Bandwidth MHz	Bandwidth MHz	Bandwidth MHz	Bandwidth MHz	Bandwidth MHz	Bandwidth MHz	Bandwidth MHz	Bandwidth MHz	Bandwidth MHz	Bandwidth MHz	Bandwidth MHz			
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00			
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100	SWR00000	1	1	25.00	25.00	25.70	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.0	0.0	
100																	



Part27Q_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3499.98			3499.98			3499.98					
100	QPSK	1	1	21.26			21.15			24.24			26.0	0.0	
100	QPSK	1	137	21.15			21.07			24.12					
100	QPSK	1	271	21.26			21.10			24.19					
100	QPSK	137	0	20.58			20.04			23.33			25.0	1.0	
100	QPSK	137	68	21.19			21.08			24.15			26.0	0.0	
100	QPSK	137	136	20.74			20.18			23.48			25.0	1.0	
100	QPSK	273	0	20.66			20.12			23.41					
100	16QAM	1	1	21.23			21.17			24.21			26.0	0.0	
100	64QAM	1	1	20.07			19.75			22.52			24.5	1.5	
100	256QAM	1	1	17.07			16.81			19.55			21.5	4.5	

Part27O_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			650000			650000					
Frequency (MHz)				3799			3799			3799					
100	QPSK	1	1	21.15			21.17			24.17			26.0	0.0	
100	QPSK	1	137	21.13			21.11			24.13					
100	QPSK	1	271	21.09			21.11			24.11					
100	QPSK	137	0	20.69			20.10			23.37			25.0	1.0	
100	QPSK	137	68	21.08			21.07			24.08			26.0	0.0	
100	QPSK	137	136	20.77			20.15			23.48			25.0	1.0	
100	QPSK	273	0	20.69			20.16			23.44					
100	16QAM	1	1	21.04			21.07			24.07			26.0	0.0	
100	64QAM	1	1	19.85			19.80			22.84			24.5	1.5	
100	256QAM	1	1	16.85			17.00			19.04			21.5	4.5	

Part27Q_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.89			3499.89			3499.89				
100	QPSK	1	1	21.75			21.67			24.74				
100	QPSK	1	137	21.68			21.57			24.64			26.5	0.0
100	QPSK	1	271	21.67			21.66			24.68				
100	QPSK	137	0	20.58			20.17			23.39			25.0	1.5
100	QPSK	137	68	21.73			21.53			24.04			26.5	0.0
100	QPSK	137	136	20.74			20.16			23.47				
100	QPSK	273	0	20.66			20.00			23.35			25.0	1.5
100	16QAM	1	1	21.65			21.25			24.46			26.0	0.5
100	64QAM	1	1	20.07			19.68			22.95			24.5	2.0
100	256QAM	1	1	17.97			17.00			20.06			21.5	5.0

Part27O_n78				Ant 4			Ant 6			Ant 4+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel				650000			650000			650000					
Frequency [MHz]				3750			3750			3750					
100	QPSK	1	1	21.65			21.66			24.67			26.5	0.0	
100	QPSK	1	137	21.58			21.59			24.60					
100	QPSK	1	271	21.54			21.56			24.56					
100	QPSK	137	0	20.60			20.50			23.56			25.0	1.5	
100	QPSK	137	68	21.51			21.61			24.57			26.5	0.0	
100	QPSK	137	136	20.77			20.52			23.66			25.0	1.5	
100	QPSK	273	0	20.68			20.45			23.58					
100	16QAM	1	1	21.52			21.60			24.57			26.0	0.5	
100	64QAM	1	1	19.86			19.96			22.92			24.5	2.0	
100	256QAM	1	1	16.85			17.05			19.96			21.5	5.0	

Part27Q_n78				Ant 3			Ant 8			Ant 3+8					
RBW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency [MHz]				3499.98			3499.98			3499.98					
100	QPSK	1	1	21.14			21.16			24.16			26.0	0.0	
100	QPSK	1	137	21.03			21.11			24.08					
100	QPSK	1	271	21.11			21.11			24.12					
100	QPSK	137	0	20.40			20.04			23.23			25.0	1.0	
100	QPSK	137	68	21.12			21.13			24.14			26.0	0.0	
100	QPSK	137	136	20.48			20.18			23.34			25.0	1.0	
100	QPSK	273	0	20.30			20.12			23.22					
100	16QAM	1	1	21.02			21.09			24.07			26.0	0.0	
100	64QAM	1	1	20.00			19.75			22.89			24.5	1.5	
100	256QAM	1	1	17.09			16.81			19.96			21.5	4.5	

Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency [MHz]				3950			3950			3950				
100	QPSK	1	1		21.17			21.16			24.18			
100	QPSK	1	137		21.16			21.09			24.14		26.0	0.0
100	QPSK	1	271		21.05			21.07			24.07			
100	QPSK	137	0		20.40			20.19			23.26		25.0	1.0
100	QPSK	137	68		21.08			21.09			24.10		26.0	0.0
100	QPSK	137	136		20.55			20.15			23.36			
100	QPSK	273	0		20.30			20.16			23.24		25.0	1.0
100	16QAM	1	1		21.04			21.15			24.11		26.0	0.0
100	64QAM	1	1		19.99			19.88			22.91		24.5	1.5
100	256QAM	1	1		17.10			17.00			20.06		21.5	4.5

Part27Q_n78				Ant 3			Ant 6			Ant 3+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3489.98			3489.98			3489.98					
100	QPSK	1	1	21.65			21.64			24.66			26.5	0.0	
100	QPSK	1	137	21.51			21.63			24.58			26.5	0.0	
100	QPSK	1	271	21.58			21.59			24.60			26.5	0.0	
100	QPSK	137	0	20.40			20.17			23.30			25.0	1.5	
100	QPSK	137	68	21.56			21.60			24.59			26.5	0.0	
100	QPSK	137	136	20.48			20.16			23.33			25.0	1.5	
100	QPSK	273	0	20.30			20.00			23.16			26.0	1.5	
100	16QAM	1	1	21.55			21.25			24.41			26.0	0.5	
100	64QAM	1	1	20.00			19.80			22.91			24.5	2.0	
100	256QAM	1	1	17.50			17.00			20.06			21.5	5.0	

Part27O_n78				Ant 3			Ant 6			Ant 3+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel				650000			650000			650000					
Frequency (MHz)				3750			3750			3755					
100	QPSK	1	1	21.67			21.66			24.60			26.5	0.0	
100	QPSK	1	137	21.53			21.64			24.60					
100	QPSK	1	271	21.64			21.55			24.61					
100	QPSK	137	0	20.40			20.50			23.46			25.0	1.5	
100	QPSK	137	68	21.54			21.61			24.59			26.5	0.0	
100	QPSK	137	136	20.55			20.52			23.55			25.0	1.5	
100	QPSK	273	0	20.30			20.45			23.39					
100	16QAM	1	1	21.45			21.80			24.54			26.0	0.5	
100	64QAM	1	1	19.99			19.96			22.99			24.5	2.0	
100	256QAM	1	1	17.10			17.05			20.09			21.5	5.0	



Reduced Power Mode for DSI6 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000			
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PV2 BPSK	1	1	22.48	22.55	22.46	22.10	22.13	22.02	25.30	25.36	25.26	26.5	0.0	
40	PV2 BPSK	1	108	22.49	22.49	22.53	22.03	22.13	22.07	25.28	25.32	25.32			
40	PV2 BPSK	1	214	22.55	22.46	22.40	21.99	22.01	22.03	25.29	25.25	25.23			
40	PV2 BPSK	108	0	21.51	21.70	21.62	21.59	21.66	21.53	24.61	24.69	24.59	26.0	0.5	
40	PV2 BPSK	108	54	22.42	22.53	22.45	21.96	22.03	22.11	25.21	25.30	25.29	26.5	0.0	
40	PV2 BPSK	108	108	21.79	21.80	21.72	21.61	21.72	21.57	24.71	24.77	24.66	26.0	0.5	
40	PV2 BPSK	216	0	21.79	21.88	21.73	21.66	21.69	21.56	24.74	24.80	24.66	26.5	0.0	
40	QPSK	1	1	22.50	22.50	22.55	22.11	22.11	22.12	25.35	25.39	25.35			
40	QPSK	1	108	22.47	22.55	22.44	22.03	22.12	22.07	25.27	25.35	25.27			
40	QPSK	1	214	22.49	22.45	22.43	22.03	22.10	22.02	25.28	25.29	25.24	26.5	1.0	
40	QPSK	108	0	21.13	21.15	21.11	21.12	21.17	21.07	24.14	24.17	24.10			
40	QPSK	108	54	22.43	22.48	22.48	21.99	22.09	22.05	25.24	25.30	25.28			
40	QPSK	108	108	21.09	21.19	21.16	21.13	21.15	21.05	24.12	24.18	24.09	26.5	0.0	
40	QPSK	216	0	21.13	21.20	21.14	21.17	21.20	21.16	24.16	24.21	24.16	25.5	1.0	
40	16QAM	1	1	21.58	21.65	21.60	21.06	21.16	21.05	24.34	24.42	24.34	25.5	1.0	
40	64QAM	1	1	19.86	20.00	19.99	19.51	19.66	19.51	22.70	22.84	22.77	24.5	2.0	
40	256QAM	1	1	17.60	17.70	17.61	17.59	17.66	17.56	20.61	20.69	20.61	22.5	4.0	

n2				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000			
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PV2 BPSK	1	1	22.43	22.55	22.53	22.25	22.33	22.26	25.35	25.45	25.41	26.5	0.0	
40	PV2 BPSK	1	108	22.43	22.56	22.47	22.33	22.30	22.32	25.39	25.44	25.41			
40	PV2 BPSK	1	214	22.48	22.60	22.51	22.34	22.33	22.35	25.42	25.48	25.44			
40	PV2 BPSK	108	0	21.61	21.70	21.62	21.68	22.00	21.93	24.76	24.86	24.79	26.0	0.5	
40	PV2 BPSK	108	54	22.41	22.60	22.50	22.36	22.35	22.22	25.40	25.49	25.37	26.5	0.0	
40	PV2 BPSK	108	108	21.79	21.80	21.72	21.85	21.98	21.96	24.83	24.90	24.85	26.0	0.5	
40	PV2 BPSK	216	0	21.79	21.88	21.73	21.80	21.95	21.93	24.81	24.93	24.84			
40	QPSK	1	1	22.53	22.64	22.63	22.38	22.42	22.36	25.48	25.54	25.49			
40	QPSK	1	108	22.46	22.56	22.57	22.37	22.35	22.26	25.40	25.44	25.43	26.5	0.0	
40	QPSK	1	214	22.42	22.52	22.59	22.34	22.35	22.23	25.39	25.45	25.42			
40	QPSK	108	0	21.13	21.15	21.11	21.54	21.57	21.56	24.35	24.38	24.35			
40	QPSK	108	54	22.52	22.61	22.45	22.34	22.38	22.30	25.44	25.51	25.39	26.5	0.0	
40	QPSK	108	108	21.09	21.19	21.16	21.57	21.65	21.52	24.35	24.44	24.35	25.5	1.0	
40	QPSK	216	0	21.13	21.20	21.14	21.52	21.60	21.51	24.34	24.41	24.34	25.5	1.0	
40	16QAM	1	1	21.58	21.65	21.60	21.79	21.87	21.80	24.70	24.77	24.71	25.5	1.0	
40	64QAM	1	1	19.86	20.00	19.99	20.34	20.35	20.27	23.12	23.19	23.14	24.5	2.0	
40	256QAM	1	1	17.60	17.70	17.61	17.82	17.97	17.96	20.72	20.85	20.80	22.5	4.0	

n2				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				314500	316000	318000	314000	316000	318000	314000	316000	318000			
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PV2 BPSK	1	1	22.78	22.86	22.79	22.48	22.57	22.50	25.64	25.73	25.66	27.0	0.0	
40	PV2 BPSK	1	108	22.66	22.75	22.60	22.50	22.52	22.50	25.59	25.65	25.56			
40	PV2 BPSK	1	214	22.69	22.80	22.68	22.52	22.56	22.50	25.62	25.69	25.60			
40	PV2 BPSK	108	0	21.61	21.62	21.56	21.59	21.60	21.53	24.61	24.65	24.56	26.0	1.0	
40	PV2 BPSK	108	54	22.83	22.88	22.74	22.46	22.55	22.42	25.66	25.73	25.59	27.0	0.0	
40	PV2 BPSK	108	108	21.56	21.70	21.64	21.61	21.72	21.57	24.60	24.72	24.62	26.0	1.0	
40	PV2 BPSK	216	0	21.59	21.66	21.53	21.66	21.69	21.56	24.64	24.69	24.56	27.0	0.0	
40	QPSK	1	1	22.64	22.90	22.80	22.52	22.60	22.55	25.65	25.76	25.73			
40	QPSK	1	108	22.83	22.86	22.72	22.49	22.57	22.43	25.67	25.73	25.59			
40	QPSK	1	214	22.70	22.80	22.76	22.40	22.50	22.35	25.56	25.66	25.58	27.0	0.0	
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.39	24.44	24.36			
40	QPSK	108	54	22.81	22.85	22.70	22.37	22.52	22.51	25.61	25.70	25.62			
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.15	21.06	24.39	24.44	24.35	25.5	1.5	
40	QPSK	216	0	21.62	21.65	21.53	21.17	21.20	21.16	24.41	24.44	24.35	25.5	1.5	
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.16	21.05	24.40	24.53	24.41			
40	64QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94			
40	256QAM	1	1	17.87	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	4.5	

n2				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				314400	316000	318000	314400	316000	318000	314400	316000	318000			
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PV2 BPSK	1	1	22.78	22.86	22.79	22.66	22.70	22.57	25.68	25.79	25.69	27.0	0.0	
40	PV2 BPSK	1	108	22.66	22.75	22.60	22.54	22.63	22.57	25.61	25.70	25.60			
40	PV2 BPSK	1	214	22.69	22.80	22.68	22.63	22.65	22.64	25.67	25.74	25.67			
40	PV2 BPSK	108	0	21.61	21.62	21.56	21.68	21.80	21.73	24.66	24.72	24.66	26.0	1.0	
40	PV2 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0	
40	PV2 BPSK	108	108	21.56	21.70	21.64	21.65	21.78	21.76	24.62	24.75	24.71	26.0	1.0	
40	PV2 BPSK	216	0	21.59	21.66	21.53	21.60	21.75	21.73	24.61	24.72	24.64			
40	QPSK	1	1	22.64	22.90	22.80	22.65	22.75	22.77	25.64	25.63				
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.69	22.62	25.71	25.79	25.68	27.0	0.0	
40	QPSK	1	214	22.70	22.80	22.76	22.60	22.65	22.53	25.66	25.74	25.67			
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.36	24.50	24.63	24.50	25.5	1.5	
40	QPSK	108	54	22.81	22.85	22.70	22.57	22.71	22.69	25.70	25.79	25.71	27.0	0.0	
40	QPSK	108	108	21.62	21.70	21.66	21.37	21.45	21.32	24.51	24.59	24.50	25.5	1.5	
40	QPSK	216	0	21.62	21.65	21.53	21.32	21.40	21.31	24.49	24.54	24.43			
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.66	24.77	24.67	25.5	1.5	
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	2.5	
40	256QAM	1	1	17.87	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	4.5	

n25				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PQ2 BPSK	1	1	22.51	22.80	22.82	22.28	22.37	22.38	25.41	25.50	25.46	26.5	0.0
40	PQ2 BPSK	1	108	22.54	22.55	22.59	22.28	22.32	22.36	25.42	25.45	25.49		
40	PQ2 BPSK	1	214	22.56	22.68	22.63	22.35	22.28	22.32	25.47	25.49	25.49	26.0	0.5
40	PQ2 BPSK	108	0	21.59	21.56	21.61	21.63	21.67	21.62	24.77	24.83	24.79		
40	PQ2 BPSK	108	54	22.61	22.65	22.65	22.28	22.42	22.28	25.46	25.55	25.47	26.5	0.0
40	PQ2 BPSK	108	108	21.85	21.90	21.76	21.60	21.75	21.71	24.74	24.84	24.75	26.0	0.5
40	PQ2 BPSK	216	0	21.79	21.85	21.74	21.61	21.70	21.63	24.71	24.79	24.70		
40	QPSK	1	1	22.66	22.70	22.65	22.43	22.41	22.53	25.58	25.55	25.55	26.5	0.0
40	QPSK	1	108	22.55	22.68	22.52	22.34	22.42	22.29	25.46	25.56	25.41		
40	QPSK	1	214	22.49	22.57	22.65	22.36	22.39	22.33	25.44	25.49	25.50	26.5	1.0
40	QPSK	108	0	21.49	21.55	21.47	21.09	21.17	21.14	24.30	24.37	24.32		
40	QPSK	108	54	22.56	22.63	22.59	22.25	22.40	22.37	25.42	25.53	25.49	26.5	0.0
40	QPSK	108	108	21.44	21.50	21.35	21.09	21.13	21.09	24.28	24.33	24.23	25.5	1.0
40	QPSK	216	0	21.43	21.46	21.30	21.02	21.15	21.04	24.24	24.31	24.18	25.5	1.0
40	16QAM	1	1	21.54	21.66	21.54	21.15	21.30	21.18	24.36	24.49	24.37	25.5	1.0
40	64QAM	1	1	20.22	20.25	20.14	19.84	19.88	19.77	23.04	23.08	22.97	24.5	2.0
40	256QAM	1	1	17.69	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64	22.5	4.0

n25				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PQ2 BPSK	1	1	22.48	22.54	22.52	22.91	23.01	22.99	25.71	25.79	25.77	26.5	0.0
40	PQ2 BPSK	1	108	22.50	22.62	22.48	22.99	22.96	23.02	25.76	25.80	25.77		
40	PQ2 BPSK	1	214	22.51	22.66	22.59	22.73	23.03	23.04	25.63	25.66	25.63	26.0	0.5
40	PQ2 BPSK	108	0	21.59	21.56	21.61	21.67	22.12	22.10	24.89	25.05	24.97		
40	PQ2 BPSK	108	54	22.55	22.66	22.50	22.94	22.95	23.00	25.76	25.82	25.77	26.5	0.0
40	PQ2 BPSK	108	108	21.85	21.90	21.76	21.94	22.21	22.22	24.91	25.07	25.01	26.0	0.5
40	PQ2 BPSK	216	0	21.79	21.85	21.74	21.81	22.11	22.08	24.81	24.99	24.92		
40	QPSK	1	1	22.66	22.67	22.65	23.05	23.18	23.08	25.61	25.50	25.66	26.5	0.0
40	QPSK	1	108	22.44	22.52	22.55	22.86	22.87	22.86	25.67	25.76	25.77		
40	QPSK	1	214	22.49	22.55	22.52	22.85	23.09	23.06	25.68	25.84	25.81	26.5	1.0
40	QPSK	108	0	21.49	21.55	21.47	21.17	21.45	21.45	24.34	24.51	24.47		
40	QPSK	108	54	22.57	22.63	22.56	22.34	23.08	23.06	25.77	25.87	25.83	26.5	0.0
40	QPSK	108	108	21.44	21.50	21.35	21.22	21.52	21.49	24.34	24.52	24.43	25.5	1.0
40	QPSK	216	0	21.43	21.46	21.30	21.16	21.43	21.40	24.21	24.45	24.36	25.5	1.0
40	16QAM	1	1	21.54	21.66	21.54	21.55	21.63	21.79	24.56	24.76	24.68	25.5	1.0
40	64QAM	1	1	20.22	20.25	20.14	20.10	20.40	20.40	23.17	23.34	23.28	24.5	2.0
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	4.0



n25				Ant 0			Ant 3			Ant 0+3				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (db)
Channel				314000	316500	319000	314000	316500	319000	314000	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PV2 BPSK	1	1	23.23	23.63	23.97	22.86	22.94	22.89	26.06	26.31	26.29	27.0	0.0
40	PV2 BPSK	1	108	23.04	23.46	23.43	22.76	22.80	22.79	25.91	26.15	26.13		
40	PV2 BPSK	1	214	23.21	23.61	23.94	22.62	22.76	22.73	25.94	26.22	26.16	26.0	1.0
40	PV2 BPSK	108	0	21.99	22.38	22.33	21.63	21.67	21.62	24.82	25.05	25.00		
40	PV2 BPSK	108	54	22.98	23.37	23.33	22.77	22.82	22.71	25.89	26.11	26.04	27.0	0.0
40	PV2 BPSK	108	108	22.07	22.45	22.42	21.60	21.75	21.71	24.85	25.12	25.09	26.0	1.0
40	PV2 BPSK	216	0	22.00	22.40	22.33	21.61	21.70	21.63	24.82	25.07	25.00		
40	QPSK	1	1	23.25	23.67	23.64	22.90	22.98	22.93	26.11	26.35	26.31	27.0	0.0
40	QPSK	1	108	23.19	23.59	23.53	22.70	22.83	22.80	25.96	26.24	26.16		
40	QPSK	1	214	23.19	23.62	23.67	22.70	22.80	22.79	25.96	26.24	26.21	27.0	0.0
40	QPSK	108	0	21.17	21.55	21.47	21.09	21.17	21.14	24.14	24.37	24.32		
40	QPSK	108	54	22.98	23.38	23.32	22.77	22.79	22.73	25.69	26.11	26.05	27.0	0.0
40	QPSK	108	108	21.34	21.72	21.68	21.09	21.13	21.09	24.23	24.44	24.41	25.5	1.5
40	QPSK	216	0	21.30	21.66	21.61	21.02	21.15	21.04	24.17	24.43	24.34	25.5	1.5
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64		
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18	24.5	2.5
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	4.5

n25				Ant 0			Ant 1			Ant 0+1				
BW (MHz)	Modulation	RB Size	RB Offset	Power			Power			Power			Turn-up limit (dBm)	MPR (dB)
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				314500	316500	319000	314500	316500	319000	314500	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PV2 BPSK	1	1	23.06	23.10	23.02	22.95	23.04	22.91	26.02	26.08	25.98	27.0	0.0
40	PV2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.65	25.88	25.95	25.86		
40	PV2 BPSK	1	214	23.01	23.02	22.87	22.65	22.76	22.66	25.84	25.90	25.83	26.0	1.0
40	PV2 BPSK	108	0	22.51	22.60	22.59	22.02	22.12	22.01	25.28	25.38	25.32		
40	PV2 BPSK	108	54	23.10	23.11	23.04	22.53	22.64	22.52	25.83	25.89	25.80	27.0	0.0
40	PV2 BPSK	108	108	22.44	22.53	22.38	22.11	22.17	22.03	25.29	25.36	25.22	26.0	1.0
40	PV2 BPSK	216	0	22.53	22.55	22.41	22.07	22.18	22.03	25.32	25.38	25.23		
40	QPSK	1	1	23.16	23.20	23.07	22.89	23.08	22.85	26.10	26.15	26.03	27.0	0.0
40	QPSK	1	108	23.03	23.14	23.01	22.81	22.92	22.77	25.93	26.04	25.90		
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95	27.0	0.0
40	QPSK	108	0	21.99	22.08	22.00	21.30	21.43	21.28	24.69	24.78	24.67	25.5	1.5
40	QPSK	108	54	22.98	23.10	23.03	22.77	22.87	22.77	25.68	26.00	25.91	27.0	0.0
40	QPSK	108	108	21.94	22.05	21.96	21.49	21.55	21.49	24.73	24.82	24.70	25.5	1.5
40	QPSK	216	0	21.69	21.80	21.75	21.36	21.45	21.31	24.54	24.64	24.55	25.5	1.5
40	16QAM	1	1	22.08	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01		
40	64QAM	1	1	20.56	20.58	20.47	20.41	20.51	20.37	23.50	23.56	23.43	24.5	2.5
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	4.5



n66				Ant 2			Ant 3			Ant 2+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
				346000	346000	346000	346000	346000	346000	346000	346000	346000	346000		
Channel				1730	1745	1760	1730	1745	1760	1730	1745	1760			
Frequency (MHz)															
40	PV2 BPSK	1	1	22.10	22.25	22.11	22.81	22.96	22.81	25.48	25.63	25.48	27.0	0.0	
40	PV2 BPSK	1	108	22.17	22.18	22.11	22.80	22.90	22.80	25.51	25.57	25.48			
40	PV2 BPSK	1	214	22.21	22.22	22.11	22.90	22.94	22.84	25.58	25.61	25.50			
40	PV2 BPSK	108	0	22.07	22.15	22.00	21.62	21.70	21.62	24.86	24.94	24.82	26.0	1.0	
40	PV2 BPSK	108	54	23.09	23.17	23.10	22.88	22.93	22.85	26.00	26.06	25.99	27.0	0.0	
40	PV2 BPSK	108	108	21.96	22.10	22.09	21.58	21.65	21.50	24.78	24.89	24.82	26.0	1.0	
40	PV2 BPSK	216	0	22.19	22.20	22.17	21.55	21.69	21.61	24.89	24.96	24.91	27.0	0.0	
40	QPSK	1	1	23.24	23.30	23.26	22.96	23.00	22.95	26.11	26.16	26.14			
40	QPSK	1	108	23.14	23.19	23.06	22.75	22.90	22.81	25.96	26.06	25.95			
40	QPSK	1	214	23.13	23.15	23.08	22.88	22.93	22.78	26.02	26.05	25.95	27.0	1.5	
40	QPSK	108	0	21.59	21.66	21.51	21.13	21.16	21.01	24.38	24.43	24.28			
40	QPSK	108	54	23.13	23.20	23.05	22.80	22.89	22.84	25.99	26.06	25.96			
40	QPSK	108	108	21.50	21.65	21.63	21.07	21.12	21.06	24.30	24.40	24.36	25.5	1.5	
40	QPSK	216	0	21.55	21.60	21.49	21.07	21.10	21.00	24.33	24.39	24.29	25.5	1.5	
40	16QAM	1	1	21.68	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46			
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.01	23.06	23.04			
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	4.5	

n66				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MRR (dB)	
Channel				346000	346000	352000	346000	346000	352000	346000	346000	352000			
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PV2 BPSK	1	1	23.25	23.32	23.26	23.28	23.67	23.64	26.28	26.51	26.46	27.0	0.0	
40	PV2 BPSK	1	108	23.29	23.38	23.33	23.41	23.78	23.73	26.36	26.59	26.54			
40	PV2 BPSK	1	214	23.29	23.35	23.30	23.12	23.54	23.48	26.22	26.46	26.40			
40	PV2 BPSK	108	0	22.04	22.09	22.01	22.14	22.55	22.49	25.10	25.34	25.27	26.0	1.0	
40	PV2 BPSK	108	54	23.17	23.22	23.17	23.13	23.52	23.49	26.16	26.38	26.34	27.0	0.0	
40	PV2 BPSK	108	108	22.05	22.12	22.07	22.14	22.56	22.52	25.11	25.36	25.31	26.0	1.0	
40	PV2 BPSK	216	0	22.06	22.14	22.07	22.00	22.42	22.41	25.04	25.29	25.25	27.0	0.0	
40	QPSK	1	1	23.33	23.39	23.33	23.41	23.91	23.79	26.58	26.62	26.58			
40	QPSK	1	108	23.22	23.31	23.23	23.32	23.74	23.73	26.28	26.54	26.50			
40	QPSK	1	214	23.30	23.36	23.28	23.34	23.76	23.70	26.33	26.57	26.51	27.0	1.5	
40	QPSK	108	0	21.24	21.30	21.27	21.29	21.68	21.64	24.28	24.50	24.47			
40	QPSK	108	54	23.25	23.37	23.31	23.31	23.70	23.66	26.31	26.55	26.50			
40	QPSK	108	108	21.35	21.42	21.38	21.36	21.75	21.69	24.37	24.60	24.55	25.5	1.5	
40	QPSK	216	0	21.22	21.28	21.24	21.30	21.69	21.67	24.27	24.50	24.47	25.5	1.5	
40	16QAM	1	1	21.66	21.72	21.64	21.76	22.14	22.11	24.72	24.95	24.89			
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40			
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	4.5	

n66				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
				Channel	346000	346000	346000	346000	346000	346000	346000	346000			
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PV2 BPSK	1	1	23.38	23.48	23.39	22.81	22.96	22.81	26.11	26.24	26.12	27.0	0.0	
40	PV2 BPSK	1	108	23.34	23.43	23.38	22.80	22.90	22.80	26.09	26.19	26.11			
40	PV2 BPSK	1	214	23.30	23.40	23.35	22.80	22.94	22.84	26.11	26.19	26.11			
40	PV2 BPSK	108	0	22.68	22.69	22.67	21.62	21.70	21.62	25.19	25.23	25.19	26.0	1.0	
40	PV2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0	
40	PV2 BPSK	108	108	22.60	22.65	22.57	21.58	21.65	21.50	25.13	25.19	25.08	26.0	1.0	
40	PV2 BPSK	216	0	22.69	22.70	22.57	21.55	21.69	21.61	25.17	25.23	25.13	27.0	0.0	
40	QPSK	1	1	23.40	23.50	23.40	22.96	23.00	22.95	26.22	26.27	26.22			
40	QPSK	1	108	23.37	23.44	23.39	22.75	22.90	22.81	26.08	26.19	26.12			
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.05	25.5	1.5	
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54			
40	QPSK	108	54	23.34	23.45	23.38	22.80	22.89	22.84	26.09	26.19	26.13			
40	QPSK	108	108	22.00	22.15	22.02	21.07	21.12	21.06	24.67	24.68	24.58	25.5	1.5	
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.16	21.00	24.64	24.72	24.59			
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76	25.5	1.5	
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	2.5	
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	4.5	

n66				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
				Channel	346000	346000	352000	346000	346000	352000	346000	346000			
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PV2 BPSK	1	1	23.39	23.52	23.43	23.30	23.37	23.31	26.36	26.46	26.38	27.0	0.0	
40	PV2 BPSK	1	108	23.33	23.48	23.36	23.26	23.35	23.28	26.31	26.43	26.33			
40	PV2 BPSK	1	214	23.34	23.47	23.40	23.28	23.33	23.24	26.31	26.41	26.33			
40	PV2 BPSK	108	0	22.79	22.91	22.83	22.67	22.75	22.68	25.74	25.84	25.77	26.0	1.0	
40	PV2 BPSK	108	54	23.30	23.43	23.36	23.18	23.23	23.15	26.25	26.34	26.27	27.0	0.0	
40	PV2 BPSK	108	108	22.70	22.85	22.78	22.48	22.51	22.42	25.99	25.99	25.81	26.0	1.0	
40	PV2 BPSK	216	0	22.81	22.92	22.83	22.44	22.52	22.48	25.84	25.73	25.67			
40	QPSK	1	1	23.44	23.59	23.50	23.26	23.41	23.37	26.41	26.51	26.45			
40	QPSK	1	108	23.36	23.54	23.42	23.28	23.36	23.28	26.35	26.46	26.36	27.0	0.0	
40	QPSK	1	214	23.35	23.51	23.39	23.32	23.40	23.32	26.35	26.47	26.37	25.5	1.5	
40	QPSK	108	0	21.93	22.07	21.98	21.74	21.82	21.75	24.85	24.96	24.88			
40	QPSK	108	54	23.34	23.49	23.37	23.23	23.27	23.23	26.30	26.39	26.31			
40	QPSK	108	108	21.87	22.01	21.90	21.65	21.72	21.64	24.77	24.88	24.78	25.5	1.5	
40	QPSK	216	0	21.30	21.40	21.33	21.15	21.20	21.11	24.24	24.32	24.23			
40	16QAM	1	1	22.25	22.36	22.24	22.23	22.27	22.20	25.25	25.33	25.23	25.5	1.5	
40	64QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80	24.5	2.5	
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	4.5	



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. 1 [Freq.]	Power Modulo Ch. 1 [Freq.]	Power High Ch. 1 [Freq.]	FCC Power Low Ch. 2 [Freq.]	Power Modulo Ch. 2 [Freq.]	Power High Ch. 2 [Freq.]	FCC Power Low Ch. 3 [Freq.]	Power Modulo Ch. 3 [Freq.]	Power High Ch. 3 [Freq.]
Channel				509202	518508	528000	509202	518508	528000	509202	518508	528000
Frequency [MHz]				25451.1	25523.1	25595.1	25451.1	25523.1	25595.1	25451.1	25523.1	25595.1
100	PI2 BPSK	1	1	22.85	23.38	23.23	22.85	22.91	22.85	25.74	26.15	26.06
100	PI2 BPSK	1	137	22.76	23.20	23.18	22.83	22.82	22.78	26.71	26.02	25.96
100	PI2 BPSK	1	271	22.65	23.02	23.08	22.81	22.68	22.77	25.57	25.85	25.84
100	PI2 BPSK	135	5	22.69	23.15	23.12	22.46	22.73	22.83	25.37	25.85	25.89
100	PI2 BPSK	135	89	22.72	23.27	23.32	22.83	22.77	22.81	25.89	26.04	26.08
100	PI2 BPSK	135	158	22.61	23.03	23.15	22.41	22.66	22.66	25.52	25.85	25.88
100	PI2 BPSK	270	5	22.59	23.16	23.22	22.57	22.68	22.65	25.39	25.84	25.93
100	QPSK	1	1	22.20	23.44	23.17	22.77	22.94	22.62	22.37	26.20	26.12
100	QPSK	1	137	22.76	23.39	23.29	22.68	22.91	22.79	25.89	26.12	26.06
100	QPSK	1	271	22.75	23.15	23.17	22.58	22.76	22.77	25.68	25.85	25.86
100	QPSK	135	5	22.74	23.26	23.22	22.39	22.79	22.73	25.68	26.04	26.09
100	QPSK	135	89	22.62	23.35	23.24	22.36	22.65	22.59	26.12	26.12	26.12
100	QPSK	135	158	22.69	23.17	23.18	22.47	22.74	22.64	25.59	25.97	25.95
100	QPSK	270	5	22.69	23.27	23.24	22.85	22.93	22.72	25.88	26.07	26.03
100	15QAM	1	1	22.82	23.38	23.24	22.94	22.96	22.74	25.79	26.10	26.06
100	16QAM	1	1	22.95	23.36	23.26	22.82	22.91	22.74	25.79	26.15	26.07
100	256QAM	1	1	20.94	21.19	21.25	20.84	20.88	20.85	22.80	24.40	23.97

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. 1 [Freq.]	Power Modulo Ch. 1 [Freq.]	Power High Ch. 1 [Freq.]	FCC Power Low Ch. 2 [Freq.]	Power Modulo Ch. 2 [Freq.]	Power High Ch. 2 [Freq.]	FCC Power Low Ch. 3 [Freq.]	Power Modulo Ch. 3 [Freq.]	Power High Ch. 3 [Freq.]
Channel				509202	518508	528000	509202	518508	528000	509202	518508	528000
Frequency [MHz]				25451.1	25523.1	25595.1	25451.1	25523.1	25595.1	25451.1	25523.1	25595.1
100	PI2 BPSK	1	1	25.94	26.33	26.28	25.85	25.92	25.77	26.81	26.14	26.04
100	PI2 BPSK	1	137	25.24	25.81	25.87	25.05	25.32	25.19	26.16	26.48	26.39
100	PI2 BPSK	1	271	25.59	25.77	25.70	25.08	25.28	25.11	26.29	26.54	26.43
100	PI2 BPSK	135	5	24.59	24.84	24.78	24.24	24.52	24.37	27.42	27.69	27.59
100	PI2 BPSK	135	89	25.25	25.82	25.88	25.08	25.33	25.08	26.18	26.44	26.34
100	PI2 BPSK	135	158	24.52	24.73	24.71	24.25	24.51	24.35	27.40	27.65	27.53
100	PI2 BPSK	270	5	24.54	24.85	24.82	24.29	24.57	24.39	27.42	27.77	27.67
100	QPSK	1	1	26.03	26.40	26.40	25.02	25.12	25.04	26.02	26.29	26.16
100	QPSK	1	137	26.73	26.19	26.08	25.49	25.70	25.59	26.69	26.82	26.81
100	QPSK	1	271	25.95	25.95	25.94	25.25	25.46	25.31	26.41	26.74	26.65
100	QPSK	135	5	24.31	24.89	24.89	24.52	24.32	24.14	27.18	27.52	27.41
100	QPSK	135	89	24.54	25.07	25.07	24.26	24.52	24.31	27.46	27.81	27.71
100	QPSK	135	158	24.07	24.48	24.40	24.03	24.28	24.11	27.06	27.38	27.27
100	QPSK	270	5	24.25	24.84	24.86	24.54	24.30	24.03	27.16	27.44	27.33
100	15QAM	1	1	25.49	25.98	25.85	25.10	25.44	25.28	26.56	26.88	26.58
100	16QAM	1	1	25.35	25.73	25.71	25.15	25.48	25.33	26.27	26.61	26.52
100	256QAM	1	1	20.95	21.34	21.32	20.85	20.86	20.80	22.83	24.37	24.08



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)	
Channel				505052	518058	528062	505052	518058	528062	505052	518058	528062			
Frequency [MHz]				254.61	252.62	254.61	254.61	252.62	254.61	254.61	252.62	254.61	254.61		
100	PQ2-BPSK	1	1	22.41	22.64	22.88	22.68	22.88	22.76	25.96	25.97	25.83		0.0	
100	PQ2-BPSK	1	137	22.18	22.64	22.87	22.81	22.85	22.88	25.41	25.88	25.83			
100	PQ2-BPSK	1	271	22.15	22.67	22.85	22.47	22.77	22.84	25.32	25.73	25.73			
100	PQ2-BPSK	135	5	22.05	22.76	22.75	22.51	22.76	22.97	25.30	25.79	25.87	27.0	0.0	
100	PQ2-BPSK	135	66	22.26	22.67	22.81	22.50	22.85	22.88	25.39	25.87	25.75	27.0		
100	PQ2-BPSK	135	138	22.05	22.67	22.89	22.35	22.69	22.46	25.19	25.87	25.88		0.0	
100	PQ2-BPSK	255	5	22.21	22.83	22.82	22.43	22.77	22.76	25.33	25.80	25.85			
100	QPSK	1	1	22.44	22.64	22.62	22.29	22.05	22.31	22.32	25.09	22.30			
100	QPSK	1	137	22.38	22.64	22.61	22.67	22.88	22.78	25.51	25.96	25.96	27.0	0.0	
100	QPSK	1	271	22.24	22.52	22.89	22.54	22.92	22.84	25.40	25.88	25.78			
100	QPSK	135	5	22.18	22.65	22.88	22.38	22.88	22.88	25.38	25.89	25.78	27.0	0.0	
100	QPSK	135	66	22.26	22.65	22.87	22.29	22.85	22.84	25.37	25.85	25.75		0.0	
100	QPSK	135	138	22.12	22.76	22.78	22.43	22.77	22.55	25.29	25.78	25.67	27.0	0.0	
100	QPSK	255	5	22.27	22.55	22.85	22.53	22.83	22.81	25.41	25.92	25.84			
100	SSB-AM	1	1	22.46	22.64	22.88	22.29	22.08	22.37	25.59	25.99	25.97	27.0	0.0	
100	SSB-AM	1	1	26.35	24.14	22.11	20.39	20.78	20.60	21.10	23.88	24.08	24.42	25.5	1.5

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528062	505052	518058	528062	505052	518058	528062		
Frequency [MHz]				254.61	252.62	254.61	254.61	252.62	254.61	254.61	252.62	254.61	254.61	
100	PQ2-BPSK	1	1	25.43	25.97	25.92	25.72	25.94	25.92	25.92	25.97	25.85		
100	PQ2-BPSK	1	137	25.04	25.46	25.40	25.02	25.17	25.03	28.04	28.33	28.23	30.0	0.0
100	PQ2-BPSK	1	271	25.01	25.45	25.40	25.03	25.18	25.03	28.03	28.32	28.23		
100	PQ2-BPSK	135	5	24.52	25.04	25.02	24.97	24.71	24.56	27.86	27.89	27.81	29.0	1.0
100	PQ2-BPSK	135	66	25.00	25.22	25.18	25.07	25.11	25.07	28.05	28.18	28.14	30.0	0.0
100	PQ2-BPSK	135	138	24.14	24.05	24.58	24.38	24.48	24.48	27.27	27.63	27.63		1.0
100	PQ2-BPSK	255	5	24.25	25.00	25.08	24.38	24.82	24.48	27.33	27.82	27.80		
100	QPSK	1	1	25.02	25.09	25.05	25.03	25.05	25.07	25.02	25.05	25.07		
100	QPSK	1	137	25.06	25.31	25.48	25.31	25.59	25.46	28.41	28.53	28.44	30.0	0.0
100	QPSK	1	271	25.00	25.44	25.40	25.19	25.42	25.27	28.11	28.44	28.35		
100	QPSK	135	5	24.09	24.01	24.37	24.37	24.37	24.44	27.24	27.60	27.52	28.5	1.0
100	QPSK	135	66	24.07	24.04	24.36	24.31	24.34	24.37	27.45	27.80	27.75		0.0
100	QPSK	135	138	24.01	24.35	24.28	24.09	24.20	24.10	27.08	27.29	27.21	28.0	1.0
100	QPSK	255	5	24.01	24.52	24.48	24.01	24.23	24.12	27.62	27.30	27.31		1.0
100	SSB-AM	1	1	25.55	25.38	25.51	25.38	25.54	25.42	28.00	28.56	28.49	29.0	1.0
100	SSB-AM	1	1	23.02	23.54	23.48	23.25	23.45	23.38	26.15	26.52	26.41	27.5	2.5
100	SSB-AM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.75	24.11	24.01	25.5	4.0



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mtxd Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mtxd Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mtxd Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052
Frequency [MHz]				254.81	512.84	254.81	254.81	512.84	254.81	254.81	512.84	254.81
100	PQ2-BPSK	1	1	22.70	23.11	22.88	22.88	23.00	22.84	23.69	23.07	23.77
100	PQ2-BPSK	1	137	22.80	22.84	22.73	22.53	22.82	22.81	23.58	23.94	23.64
100	PQ2-BPSK	1	271	22.80	22.84	22.73	22.45	22.79	22.43	23.34	23.81	23.59
100	PQ2-BPSK	135	5	22.49	22.80	22.79	22.47	22.80	22.50	23.40	23.84	23.64
100	PQ2-BPSK	135	66	22.81	22.83	22.83	22.59	22.89	22.80	23.82	23.73	27.0
100	PQ2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	23.38	23.82	23.82
100	PQ2-BPSK	255	5	22.57	22.80	22.80	22.52	22.82	22.47	23.50	23.87	23.80
100	QPSK	1	1	22.70	23.10	22.83	22.70	23.10	22.80	23.77	23.14	23.27
100	QPSK	1	137	22.73	23.04	22.89	22.69	22.87	22.85	23.79	23.82	23.78
100	QPSK	1	271	22.85	22.92	22.79	22.54	22.83	22.51	23.83	23.89	23.88
100	QPSK	135	5	22.58	23.84	22.85	22.59	22.87	22.59	23.57	23.82	23.73
100	QPSK	135	66	22.46	22.97	22.75	22.45	22.88	22.52	23.91	23.85	27.0
100	QPSK	135	138	22.46	22.97	22.75	22.45	22.88	22.52	23.91	23.85	27.0
100	QPSK	255	5	22.82	22.85	22.83	22.58	22.83	22.83	23.87	23.74	27.0
100	SSB-AM	1	1	22.71	23.10	22.81	22.61	22.89	22.38	23.87	23.15	23.86
100	SSB-AM	1	1	22.79	23.13	23.08	22.82	23.02	22.85	23.72	23.89	23.84
100	SSB-AM	1	1	20.59	20.71	20.57	20.59	20.47	20.63	23.76	23.81	20.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mtxd Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mtxd Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mtxd Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052
Frequency [MHz]				254.81	512.84	254.81	254.81	512.84	254.81	254.81	512.84	254.81
100	PQ2-BPSK	1	1	23.82	26.13	25.82	25.73	26.05	25.73	26.79	25.10	28.84
100	PQ2-BPSK	1	137	23.32	25.58	25.39	25.19	25.32	25.09	28.28	28.46	28.21
100	PQ2-BPSK	1	271	23.21	25.33	25.34	25.05	25.38	25.01	28.14	28.48	28.19
100	PQ2-BPSK	135	5	24.52	24.81	24.88	24.50	24.81	24.17	27.37	27.87	27.39
100	PQ2-BPSK	135	66	25.22	25.52	25.34	25.12	25.28	25.15	28.17	28.40	28.28
100	PQ2-BPSK	135	138	24.23	24.53	24.31	24.07	24.11	24.07	27.17	27.34	27.25
100	PQ2-BPSK	255	5	24.38	24.71	24.51	24.17	24.30	24.16	27.29	27.52	27.35
100	QPSK	1	1	23.82	26.39	26.06	25.80	26.14	25.79	28.64	28.17	28.29
100	QPSK	1	137	23.79	26.07	25.88	25.69	25.89	25.78	28.78	28.88	28.71
100	QPSK	1	271	23.25	25.58	25.35	25.01	25.32	25.00	28.16	28.46	28.15
100	QPSK	135	5	24.08	24.39	24.21	24.09	24.23	24.23	27.69	27.32	27.23
100	QPSK	135	66	24.56	24.86	24.68	24.42	24.51	24.49	28.36	28.39	28.3
100	QPSK	135	138	24.08	24.30	24.08	24.03	24.11	24.04	27.67	27.22	27.05
100	QPSK	255	5	24.82	24.21	24.68	24.21	24.20	24.23	27.13	27.23	27.17
100	SSB-AM	1	1	23.80	26.23	26.10	25.89	25.89	25.84	28.09	28.27	28.03
100	SSB-AM	1	1	23.02	23.51	23.10	22.90	23.22	22.87	25.97	26.28	26.03
100	SSB-AM	1	1	20.58	20.78	20.59	20.67	20.76	20.83	23.83	23.78	23.62

FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency (MHz)				254.61	253.24	254.44	254.61	253.24	254.44	254.61	253.24	254.44	254.61	
100	PI2-BPSK	1	1	22.72	23.08	22.82	22.86	23.40	22.97	25.80	26.25	25.91		
100	PI2-BPSK	1	137	22.71	22.60	22.81	22.71	23.26	22.88	25.72	26.09	25.88	27.0	0.0
100	PI2-BPSK	1	271	22.64	22.65	22.83	22.71	23.12	22.76	25.89	26.04	25.81		
100	PI2-BPSK	135	5	22.68	22.62	22.85	22.55	23.78	22.75	25.83	26.00	25.78	27.0	0.0
100	PI2-BPSK	135	66	22.69	22.67	22.91	22.69	23.26	22.88	25.76	26.13	25.96	27.0	0.0
100	PI2-BPSK	135	138	22.48	22.72	22.85	22.66	23.61	22.71	25.53	25.88	25.72		
100	PI2-BPSK	255	5	22.62	22.78	22.81	22.65	23.12	22.81	25.85	25.95	25.82	27.0	0.0
100	QPSK	1	1	22.67	23.19	22.62	22.67	23.46	22.62	25.52	26.02	25.52		
100	QPSK	1	137	22.78	23.04	22.66	22.67	23.41	22.86	26.04	25.99		27.0	0.0
100	QPSK	1	271	22.76	23.02	22.83	22.76	23.26	22.82	26.74	26.14	25.84		
100	QPSK	135	5	22.75	22.61	22.83	22.59	23.23	22.83	25.73	26.08	25.84	27.0	0.0
100	QPSK	135	66	22.66	22.65	22.77	22.64	23.51	22.64	26.18	25.85	25.75	27.0	0.0
100	QPSK	135	138	22.63	22.79	22.76	22.61	23.13	22.81	25.83	25.97	25.85	27.0	0.0
100	QPSK	255	5	22.75	22.68	22.87	22.73	23.17	22.83	25.75	26.04	25.81	27.0	0.0
100	SSB-AM	1	1	22.81	23.10	22.86	22.83	23.46	22.86	26.26	25.92	25.9	27.0	0.0
100	SSB-AM	1	1	22.72	23.04	22.88	22.62	23.38	22.95	25.78	26.22	25.93	27.0	0.0
100	SSB-AM	1	1	26.30	26.75	26.53	26.52	27.63	26.57	27.52	27.89	27.88	28.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turnup test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency (MHz)				254.61	253.24	254.44	254.61	253.24	254.44	254.61	253.24	254.44	254.61	
100	PI2-BPSK	1	1	25.82	26.15	25.89	25.89	26.37	25.91	28.85	29.25	28.91		
100	PI2-BPSK	1	137	25.38	25.65	25.42	25.08	25.60	25.15	28.25	28.64	28.30	30.0	0.0
100	PI2-BPSK	1	271	25.30	25.58	25.40	25.04	25.53	25.08	28.18	28.57	28.25		
100	PI2-BPSK	135	5	24.48	24.75	24.53	24.04	24.62	24.33	27.41	27.80	27.41	29.0	1.0
100	PI2-BPSK	135	66	25.19	25.45	25.25	25.00	25.52	25.07	28.11	28.50	28.17	30.0	0.0
100	PI2-BPSK	135	138	24.30	24.56	24.40	23.81	24.32	23.83	27.69	28.09	27.74	29.0	1.0
100	PI2-BPSK	255	5	24.34	24.61	24.43	24.25	24.77	24.28	27.31	27.70	27.36		
100	QPSK	1	1	25.52	26.11	25.55	25.50	26.41	25.57	28.50	29.27	28.50		
100	QPSK	1	137	25.36	25.66	25.48	25.00	25.61	25.13	28.45	28.86	28.51	30.0	0.0
100	QPSK	1	271	25.28	25.52	25.20	25.11	25.93	25.47	28.35	28.74	28.30		
100	QPSK	135	5	24.03	24.29	24.05	24.02	24.44	24.00	27.64	27.38	27.54	28.5	1.0
100	QPSK	135	66	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.5	0.0
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.5	1.0
100	QPSK	255	5	24.03	24.25	24.09	24.03	24.55	24.07	27.65	27.45	27.59	27.5	1.0
100	SSB-AM	1	1	24.91	25.22	24.93	25.09	25.52	25.06	27.97	28.58	28.09	29.0	1.0
100	SSB-AM	1	1	22.96	23.21	22.98	23.07	23.55	23.09	26.05	26.39	26.05	27.5	2.5
100	SSB-AM	1	1	26.30	26.77	26.54	26.58	27.08	26.84	28.55	28.94	28.60	29.5	4.0

Part96_n48				Ant 4			Ant 8			Ant 4+8			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency [MHz]				3070	3024.99	3079.98	3070	3024.99	3079.98	3070	3024.99	3079.98		
40	QPSK	1	1	19.93	19.97	19.98	19.45	19.47	19.49	22.71	22.74	22.65	24.0	
40	QPSK	1	53	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48		
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59		
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.80	20.99	21.11	21.02	22.5	1.5
40	QPSK	53	27	19.97	19.99	19.96	19.25	19.32	19.19	22.51	22.66	22.54	24.0	0.0
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	1.5
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25	22.5	1.5
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	23.5	0.5
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	2.5
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.50	17.54	17.50	19.5	4.5

Part96_n48				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98		
40	QPSK	1	1	19.41	19.53	19.45	17.50	17.71	17.61	21.61	21.72	21.64	23.5	0.0
40	QPSK	1	53	19.38	19.42	19.44	17.48	17.57	17.55	21.54	21.60	21.61		
40	QPSK	1	104	19.39	19.38	19.42	17.52	17.63	17.56	21.57	21.60	21.60		
40	QPSK	53	0	18.21	18.32	18.21	16.63	16.69	16.72	20.50	20.59	20.54	22.5	1.0
40	QPSK	53	27	19.92	19.92	19.90	17.49	17.66	17.36	21.31	21.46	21.36	23.5	0.0
40	QPSK	53	53	18.29	18.34	18.29	16.64	16.70	16.63	20.55	20.61	20.55	22.5	1.0
40	QPSK	106	0	18.53	18.60	18.46	16.63	16.71	16.65	20.69	20.77	20.66	22.5	1.0
40	16QAM	1	1	19.26	19.37	19.23	17.58	17.66	17.63	21.51	21.61	21.51	23.5	0.0
40	64QAM	1	1	17.34	17.36	17.31	16.75	16.81	16.73	19.63	19.66	19.60	21.5	2.0
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.51	17.55	17.50	19.5	4.0

Part96_n48				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3676	3654.89	3679.89	3576	3654.89	3679.89	3676	3654.89	3679.89		
40	QPSK	1	1	19.40	19.46	19.35	19.45	19.47	19.45	22.44	22.48	22.40	24.0	0.0
40	QPSK	1	53	19.27	19.27	19.30	19.19	19.25	19.12	22.24	22.27	22.22		
40	QPSK	1	104	19.37	19.44	19.29	19.40	19.38	19.37	22.40	22.42	22.34	22.5	1.5
40	QPSK	53	0	17.91	17.87	17.81	17.73	17.67	17.80	20.83	20.88	20.82		
40	QPSK	53	27	19.36	19.43	19.34	19.25	19.32	19.19	22.39	22.39	22.38	24.0	0.0
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86		
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06	22.5	1.5
40	16QAM	1	1	19.08	19.10	19.03	18.93	19.09	18.98	22.02	22.11	22.02		
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.67	16.77	19.86	19.94	19.82	21.5	2.5
40	256QAM	1	1	14.72	14.69	14.67	14.56	14.64	14.57	17.65	17.68	17.63		

[illegible][illegible]

[illegible]

Part27Q_n77(PC1.5)				Ant 4				Ant 6				Ant 4+6			
Part	Subpart	Ref	Size	Part Low Cut (Hz)	Part High Cut (Hz)	Part Low Cut (Hz)	Part High Cut (Hz)	Part Low Cut (Hz)	Part High Cut (Hz)	Part Low Cut (Hz)	Part High Cut (Hz)	Antenna Gain (dB)	SWR		
Downing															
Frequency (MHz)															
100	Pass/Band	0	1	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	20.0	0.0		
100	Pass/Band	0	1	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	20.0	0.0		
100	Pass/Band	100	0	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	20.0	0.0		
100	Pass/Band	100	0	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	20.0	0.0		
100	Pass/Band	100	100	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	Pass/Band	100	100	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	0	1	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	20.0	0.0		
100	GPSS	0	1	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	20.0	0.0		
100	GPSS	100	0	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	0	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	100	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	100	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	0	1	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	20.0	0.0		
100	GPSS	0	1	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	20.0	0.0		
100	GPSS	100	0	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	0	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	100	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	100	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	0	1	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	20.0	0.0		
100	GPSS	0	1	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	20.0	0.0		
100	GPSS	100	0	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	0	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	100	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		
100	GPSS	100	100	24.95	24.95	24.95	24.95	24.95	24.95	24.95	24.95	20.0	1.0		

[illegible]

Part2Q7_n77(PC1.5)				Ant 3				Ant 8				Ant 3+8			
Sp ID#	Modulation	Ch. Size	RB Offset	Power Line Level (dBm)	Power Line Rate (kbps)	Power Line Type	Power Line Modulation	Power Line Level (dBm)	Power Line Rate (kbps)	Power Line Type	Power Line Modulation	Power Line Level (dBm)	Power Line Rate (kbps)	Power Line Type	Power Line Modulation
				0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Power Line (Power Line)															
100	PSK4QAM	150	1	25.13	25.13	25.13									
100	PSK4QAM	150	1	25.13	25.13	25.13								25.13	0.0
100	PSK4QAM	150	1	25.13	25.13	25.13								25.13	0.0
100	PSK4QAM	150	1	24.69	24.69	24.69								24.69	10.0
100	PSK4QAM	150	1	24.69	24.69	24.69								24.69	10.0
100	PSK4QAM	150	150	24.63	24.63	24.63								24.63	10.0
100	PSK4QAM	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK			25.13	25.13	25.13									
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK			25.13	25.13	25.13								25.13	0.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	1	24.69	24.69	24.69								24.69	10.0
100	QPSK	150	150	24.63	24.63	24.63								24.63	10.0
100	QPSK	150	150	24.63	24.63	24.63									



Part27Q_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3499.98			3499.98			3499.98					
100	QPSK	1	1	21.28			21.18			24.24			26.0	0.0	
100	QPSK	1	137	21.15			21.07			24.12					
100	QPSK	1	271	21.26			21.10			24.19					
100	QPSK	137	0	20.58			20.04			23.33			25.0	1.0	
100	QPSK	137	68	21.19			21.08			24.15			26.0	0.0	
100	QPSK	137	136	20.74			20.18			23.48			25.0	1.0	
100	QPSK	273	0	20.06			20.12			23.41					
100	16QAM	1	1	21.23			21.17			24.21			26.0	0.0	
100	64QAM	1	1	20.07			19.75			22.52			24.5	1.5	
100	256QAM	1	1	17.07			16.81			19.55			21.5	4.5	

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3792			3792			3792				
100	QPSK	1	1	21.15			21.17			24.17			26.0	0.0
100	QPSK	1	137	21.13			21.11			24.13				
100	QPSK	1	271	21.09			21.11			24.11				
100	QPSK	137	0	20.60			20.10			23.37			25.0	1.0
100	QPSK	137	68	21.06			21.07			24.08			26.0	0.0
100	QPSK	137	136	20.77			20.15			23.48			25.0	1.0
100	QPSK	273	0	20.60			20.16			23.44				
100	16QAM	1	1	21.04			21.07			24.07			26.0	0.0
100	64QAM	1	1	19.85			19.80			22.84			24.5	1.5
100	256QAM	1	1	16.85			17.00			19.04			21.5	4.5

Part27Q_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.88			3499.88			3499.88				
100	QPSK	1	1	21.75			21.67			24.74				
100	QPSK	1	137	21.68			21.57			24.64			26.5	0.0
100	QPSK	1	271	21.67			21.66			24.68				
100	QPSK	137	0	20.58			20.17			23.39			25.0	1.5
100	QPSK	137	68	21.73			21.53			24.04			26.5	0.0
100	QPSK	137	136	20.74			20.16			23.47				
100	QPSK	273	0	20.66			20.00			23.35			25.0	1.5
100	16QAM	1	1	21.65			21.25			24.46			26.0	0.5
100	64QAM	1	1	20.07			19.68			22.95			24.5	2.0
100	256QAM	1	1	17.97			17.00			20.06			21.5	5.0



Part27O_n78

BW [MHz]	Modulation	RB Size	RB Offset	Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				650000			650000			650000				
Frequency [MHz]				3190			3190			3190				
100	QPSK	1	1		21.65			21.66			24.67		26.5	0.0
100	QPSK	1	137		21.58			21.59			24.60			
100	QPSK	1	271		21.54			21.56			24.56			
100	QPSK	137	0		20.60			20.50			23.56		25.0	1.5
100	QPSK	137	68		21.01			21.61			24.57		26.5	0.0
100	QPSK	137	136		20.77			20.52			23.66		25.0	1.5
100	QPSK	273	0		20.88			20.45			23.58		25.0	1.5
100	16QAM	1	1		21.52			21.60			24.57		25.0	0.5
100	64QAM	1	1		19.85			19.96			22.92		24.5	2.0
100	256QAM	1	1		16.85			17.05			19.96		21.5	5.0

Part27Q_n78

Part27Q_n78				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				3490.98			3490.98			3490.98				
100	QPSK	1	1	21.14			21.16			24.16			26.0	0.0
100	QPSK	1	137	21.03			21.11			24.08				
100	QPSK	1	271	21.11			21.11			24.12				
100	QPSK	137	0	20.40			20.04			23.23			25.0	1.0
100	QPSK	137	68	21.12			21.13			24.14			26.0	0.0
100	QPSK	137	136	20.48			20.18			23.34			25.0	1.0
100	QPSK	273	0	20.30			20.12			23.22			25.0	1.0
100	16QAM	1	1	21.02			21.09			24.07			26.0	0.0
100	64QAM	1	1	20.00			19.70			22.89			24.5	1.5
100	256QAM	1	1	17.06			16.81			19.96			21.5	4.5

Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency [MHz]				39.5			39.5			39.5				
100	QPSK	1	1		21.17			21.16			24.18			
100	QPSK	1	137		21.16			21.09			24.14		26.0	0.0
100	QPSK	1	271		21.05			21.07			24.07			
100	QPSK	137	0		20.40			20.19			23.26		25.0	1.0
100	QPSK	137	6.8		21.08			21.09			24.10		26.0	0.0
100	QPSK	137	136		20.55			20.15			23.36			
100	QPSK	273	0		20.30			20.16			23.24		25.0	1.0
100	16QAM	1	1		21.04			21.15			24.11		26.0	0.0
100	64QAM	1	1		19.99			19.88			22.91		24.5	1.5
100	256QAM	1	1		17.10			17.00			20.06		21.5	4.5



Reduced Power Mode for DSI7 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3					Turn-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000				
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890				
40	PV2 BPSK	1	1	15.93	16.00	15.98	15.40	15.55	15.42	16.68	16.79	16.72	20.0	0.0		
40	PV2 BPSK	1	108	15.90	16.10	15.98	15.46	15.68	15.47	16.70	16.91	16.74				
40	PV2 BPSK	1	214	15.87	16.09	15.96	15.49	15.67	15.41	16.69	16.90	16.70				
40	PV2 BPSK	108	0	15.93	16.05	15.99	15.43	15.64	15.45	16.70	16.86	16.74	20.0	0.0		
40	PV2 BPSK	108	54	15.87	16.03	15.95	15.51	15.58	15.54	16.70	16.82	16.76	20.0	0.0		
40	PV2 BPSK	108	108	15.91	16.11	15.96	15.42	15.58	15.45	16.68	16.86	16.72	20.0	0.0		
40	PV2 BPSK	216	0	15.91	16.01	16.03	15.46	15.62	15.44	16.70	16.83	16.76	20.0	0.0		
40	QPSK	1	1	15.99	16.10	16.05	15.52	15.65	15.55	16.77	16.83	16.82	20.0	0.0		
40	QPSK	1	108	15.95	16.06	16.02	15.42	15.56	15.44	16.70	16.84	16.75				
40	QPSK	1	214	15.96	16.11	16.00	15.42	15.67	15.49	16.71	16.91	16.76				
40	QPSK	108	0	15.94	16.02	16.00	15.43	15.64	15.48	16.70	16.84	16.76	20.0	0.0		
40	QPSK	108	54	15.97	16.10	16.02	15.46	15.65	15.53	16.73	16.89	16.79	20.0	0.0		
40	QPSK	108	108	15.95	16.05	15.96	15.43	15.60	15.45	16.71	16.84	16.72	20.0	0.0		
40	QPSK	216	0	15.97	16.05	16.01	15.42	15.55	15.43	16.71	16.82	16.74	20.0	0.0		
40	16QAM	1	1	15.96	16.09	15.92	15.43	15.59	15.48	16.71	16.86	16.72	20.0	0.0		
40	64QAM	1	1	15.98	16.04	16.02	15.41	15.68	15.49	16.71	16.87	16.77	20.0	0.0		
40	256QAM	1	1	15.92	16.09	15.92	15.39	15.62	15.53	16.67	16.87	16.74	20.0	0.0		

n2				Ant 2			Ant 1			Ant 2+1					Turn-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000				
Frequency [MHz]				1870	1880	1890	1870	1880	1890	1870	1880	1890				
40	PV2 BPSK	1	1	16.51	16.51	16.48	16.33	16.50	16.43	19.43	19.52	19.47	20.5	0.0		
40	PV2 BPSK	1	108	16.42	16.54	16.55	16.38	16.45	16.38	19.41	19.51	19.48				
40	PV2 BPSK	1	214	16.46	16.51	16.47	16.31	16.37	16.37	19.40	19.45	19.43				
40	PV2 BPSK	108	0	16.45	16.53	16.49	16.38	16.42	16.35	19.43	19.54	19.43	20.5	0.0		
40	PV2 BPSK	108	54	16.46	16.58	16.49	16.37	16.37	16.46	19.43	19.49	19.49	20.5	0.0		
40	PV2 BPSK	108	108	16.46	16.57	16.47	16.40	16.49	16.40	19.44	19.54	19.45	20.5	0.0		
40	PV2 BPSK	216	0	16.40	16.63	16.45	16.37	16.50	16.39	19.40	19.58	19.43	20.5	0.0		
40	QPSK	1	1	16.53	16.64	16.58	16.45	16.52	16.50	19.50	19.59	19.56	20.5	0.0		
40	QPSK	1	108	16.45	16.56	16.50	16.35	16.42	16.48	19.41	19.51	19.54				
40	QPSK	1	214	16.43	16.54	16.53	16.33	16.40	16.38	19.39	19.48	19.47				
40	QPSK	108	0	16.44	16.59	16.49	16.35	16.40	16.38	19.41	19.51	19.45	20.5	0.0		
40	QPSK	108	54	16.50	16.63	16.55	16.42	16.51	16.45	19.47	19.58	19.53	20.5	0.0		
40	QPSK	108	108	16.48	16.62	16.51	16.33	16.44	16.46	19.42	19.54	19.50	20.5	0.0		
40	QPSK	216	0	16.46	16.56	16.55	16.33	16.50	16.41	19.41	19.54	19.49	20.5	0.0		
40	16QAM	1	1	16.39	16.52	16.57	16.32	16.38	16.46	19.37	19.46	19.53	20.5	0.0		
40	64QAM	1	1	16.49	16.63	16.49	16.31	16.46	16.39	19.41	19.56	19.45	20.5	0.0		
40	256QAM	1	1	16.45	16.54	16.46	16.35	16.41	16.43	19.41	19.49	19.46	20.5	0.0		

n2				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	18.81	18.90	18.75	18.34	18.59	18.42	21.59	21.76	21.60	23.0	0.0
40	P12 BPSK	1	108	18.80	18.91	18.82	18.48	18.47	18.54	21.65	21.71	21.69		
40	P12 BPSK	1	214	18.85	18.85	18.80	18.44	18.59	18.47	21.66	21.73	21.65		
40	P12 BPSK	108	0	18.85	18.82	18.79	18.42	18.48	18.50	21.67	21.72	21.66	23.0	0.0
40	P12 BPSK	108	54	18.85	18.87	18.82	18.40	18.53	18.47	21.64	21.71	21.66	23.0	0.0
40	P12 BPSK	108	108	18.82	18.87	18.82	18.44	18.54	18.51	21.84	21.72	21.68	23.0	0.0
40	P12 BPSK	216	0	18.85	18.84	18.74	18.43	18.51	18.52	21.66	21.69	21.64	23.0	0.0
40	QPSK	1	1	18.85	18.85	18.85	18.45	18.52	18.55	21.71	21.79	21.71		
40	QPSK	1	108	18.85	18.81	18.79	18.44	18.51	18.43	21.68	21.72	21.62		
40	QPSK	1	214	18.85	18.84	18.84	18.47	18.56	18.54	21.67	21.71	21.70		
40	QPSK	108	0	18.79	18.89	18.75	18.45	18.47	18.50	21.83	21.70	21.64	23.0	0.0
40	QPSK	108	54	18.85	18.90	18.84	18.47	18.50	18.52	21.69	21.76	21.69	23.0	0.0
40	QPSK	108	108	18.82	18.81	18.83	18.42	18.49	18.40	21.63	21.66	21.63	23.0	0.0
40	QPSK	216	0	18.83	18.85	18.79	18.48	18.51	18.42	21.67	21.71	21.62	23.0	0.0
40	16QAM	1	1	18.75	18.85	18.77	18.45	18.59	18.40	21.61	21.73	21.60	23.0	0.0
40	64QAM	1	1	18.89	18.85	18.80	18.48	18.48	18.44	21.70	21.68	21.63	23.0	0.0
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.65	17.58	20.79	20.84	20.76	22.5	0.5

n2				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	19.72	19.85	19.84	19.56	19.61	19.68	22.65	22.74	22.77	24.0	0.0
40	P12 BPSK	1	108	19.76	19.86	19.81	19.54	19.75	19.57	22.66	22.62	22.70		
40	P12 BPSK	1	214	19.72	19.83	19.87	19.67	19.70	19.68	22.71	22.78	22.78		
40	P12 BPSK	108	0	19.85	19.92	19.75	19.61	19.72	19.65	22.74	22.83	22.71	24.0	0.0
40	P12 BPSK	108	54	19.81	19.82	19.82	19.66	19.73	19.68	22.75	22.79	22.76	24.0	0.0
40	P12 BPSK	108	108	19.76	19.84	19.80	19.55	19.64	19.70	22.67	22.75	22.76	24.0	0.0
40	P12 BPSK	216	0	19.77	19.78	19.88	19.57	19.64	19.58	22.68	22.72	22.74		
40	QPSK	1	1	19.86	19.93	19.90	19.65	19.75	19.72	22.78	22.86	22.82		
40	QPSK	1	108	19.73	19.82	19.79	19.63	19.63	19.65	22.69	22.74	22.73		
40	QPSK	1	214	19.78	19.86	19.89	19.65	19.70	19.57	22.73	22.79	22.74	24.0	0.0
40	QPSK	108	0	19.80	19.78	19.88	19.63	19.74	19.58	22.73	22.77	22.74	24.0	0.0
40	QPSK	108	54	19.83	19.82	19.90	19.67	19.75	19.71	22.75	22.85	22.82	24.0	0.0
40	QPSK	108	108	19.78	19.78	19.88	19.62	19.71	19.67	22.71	22.76	22.79	24.0	0.0
40	QPSK	216	0	19.79	19.88	19.86	19.67	19.72	19.71	22.74	22.81	22.80	24.0	0.0
40	16QAM	1	1	19.75	19.82	19.75	19.63	19.72	19.70	22.70	22.78	22.74		
40	64QAM	1	1	19.30	19.40	19.31	19.14	19.15	19.07	22.23	22.29	22.20		
40	256QAM	1	1	17.97	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	1.5



n25				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				314000	316000	319000	314000	316000	319000	314000	316000	319000	20.0	0.0
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	16.08	16.13	16.14	15.83	15.79	15.89	18.97	18.97	18.93	20.0	0.0
40	PI2 BPSK	1	108	16.07	16.11	16.11	15.72	15.79	15.67	18.91	18.96	18.91		
40	PI2 BPSK	1	214	16.09	16.17	16.07	15.74	15.81	15.86	18.93	19.00	18.88	20.0	0.0
40	PI2 BPSK	108	0	16.11	16.14	16.08	15.83	15.77	15.71	18.98	18.97	18.91		
40	PI2 BPSK	108	54	16.00	16.09	16.05	15.78	15.75	15.67	18.90	18.93	18.87	20.0	0.0
40	PI2 BPSK	108	108	16.04	16.20	16.04	15.78	15.73	15.72	18.92	18.96	18.89	20.0	0.0
40	PI2 BPSK	216	0	16.12	16.17	16.09	15.78	15.83	15.85	18.96	19.01	18.89		
40	QPSK	1	1	16.13	16.22	16.15	15.85	15.86	15.90	19.00	19.00	18.99	20.0	0.0
40	QPSK	1	108	16.11	16.20	16.02	15.74	15.79	15.77	18.94	19.01	18.91		
40	QPSK	1	214	16.00	16.15	16.01	15.77	15.84	15.86	18.90	19.01	18.85	20.0	0.0
40	QPSK	108	0	16.06	16.10	16.09	15.77	15.74	15.67	18.93	18.93	18.90		
40	QPSK	108	54	16.10	16.19	16.12	15.82	15.85	15.75	18.97	19.03	18.95	20.0	0.0
40	QPSK	108	108	16.06	16.18	16.02	15.81	15.80	15.70	18.91	19.00	18.87	20.0	0.0
40	QPSK	216	0	16.01	16.08	16.04	15.80	15.83	15.72	18.92	18.97	18.89	20.0	0.0
40	16QAM	1	1	16.05	16.11	16.07	15.82	15.84	15.68	18.95	18.99	18.89	20.0	0.0
40	64QAM	1	1	15.98	16.14	16.03	15.84	15.77	15.73	18.92	18.97	18.89	20.0	0.0
40	256QAM	1	1	16.04	16.19	16.05	15.78	15.83	15.75	18.92	19.02	18.91	20.0	0.0

n25				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				314000	316000	319000	314000	316000	319000	314000	316000	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	16.62	16.61	16.49	16.83	17.11	16.99	19.74	19.88	19.76	20.5	0.0
40	PI2 BPSK	1	108	16.60	16.67	16.56	16.85	16.99	16.93	19.74	19.84	19.76		
40	PI2 BPSK	1	214	16.57	16.67	16.55	16.88	16.98	16.97	19.74	19.84	19.78	20.5	0.0
40	PI2 BPSK	108	0	16.65	16.60	16.45	16.85	17.09	16.85	19.71	19.85	19.66		
40	PI2 BPSK	108	54	16.62	16.56	16.56	16.86	17.02	16.85	19.75	19.81	19.72	20.5	0.0
40	PI2 BPSK	108	108	16.53	16.62	16.56	16.90	17.09	16.91	19.73	19.87	19.75	20.5	0.0
40	PI2 BPSK	216	0	16.55	16.55	16.53	16.83	17.00	16.90	19.70	19.79	19.73		
40	QPSK	1	1	16.65	16.66	16.50	16.98	17.12	17.00	19.83	19.92	19.91	20.5	0.0
40	QPSK	1	108	16.58	16.54	16.51	16.95	17.02	16.86	19.78	19.80	19.71		
40	QPSK	1	214	16.62	16.56	16.50	16.87	17.08	16.86	19.76	19.84	19.69	20.5	0.0
40	QPSK	108	0	16.62	16.65	16.47	16.86	17.00	16.91	19.75	19.84	19.71		
40	QPSK	108	54	16.64	16.66	16.59	16.95	17.10	16.96	19.81	19.90	19.79	20.5	0.0
40	QPSK	108	108	16.54	16.58	16.52	16.90	17.09	16.92	19.73	19.85	19.73	20.5	0.0
40	QPSK	216	0	16.61	16.59	16.55	16.83	16.99	16.90	19.68	19.80	19.74		
40	16QAM	1	1	16.56	16.60	16.49	16.95	17.01	16.92	19.77	19.82	19.72	20.5	0.0
40	64QAM	1	1	16.61	16.61	16.49	16.96	17.04	16.89	19.80	19.84	19.70	20.5	0.0
40	256QAM	1	1	16.56	16.61	16.45	16.77	17.03	17.02	19.68	19.84	19.75	20.5	0.0



n25				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)	
Channel				314200	316500	319000	314200	316500	319000	314200	316500	319000			
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895			
40	P12 BPSK	1	1	19.56	19.62	19.60	18.87	18.88	18.77	22.24	22.28	22.22	23.0	0.0	
40	P12 BPSK	1	108	19.56	19.65	19.57	18.85	18.92	18.85	22.23	22.31	22.24			
40	P12 BPSK	1	214	19.50	19.59	19.48	18.84	18.87	18.85	22.19	22.26	22.19			
40	P12 BPSK	108	0	19.48	19.65	19.59	18.92	18.95	18.77	22.22	22.32	22.21	23.0	0.0	
40	P12 BPSK	108	54	19.53	19.56	19.49	18.83	18.88	18.84	22.20	22.24	22.19	23.0	0.0	
40	P12 BPSK	108	108	19.53	19.62	19.58	18.80	18.83	18.86	22.19	22.25	22.25	23.0	0.0	
40	P12 BPSK	216	0	19.44	19.62	19.55	18.86	18.84	18.86	22.17	22.26	22.23			
40	QPSK	1	1	19.57	19.67	19.62	18.94	18.95	18.92	22.28	22.35	22.29			
40	QPSK	1	108	19.53	19.65	19.58	18.81	18.97	18.83	22.20	22.33	22.23	23.0	0.0	
40	QPSK	1	214	19.57	19.53	19.52	18.83	18.84	18.81	22.23	22.21	22.19	23.0	0.0	
40	QPSK	108	0	19.44	19.58	19.52	18.81	18.87	18.89	22.15	22.25	22.23			
40	QPSK	108	54	19.56	19.64	19.57	18.84	18.95	18.90	22.23	22.32	22.26		23.0	
40	QPSK	108	108	19.54	19.51	19.56	18.83	18.85	18.78	22.21	22.20	22.20	23.0	0.0	
40	QPSK	216	0	19.54	19.62	19.61	18.82	18.93	18.86	22.21	22.30	22.28	23.0	0.0	
40	16QAM	1	1	19.44	19.58	19.47	18.87	18.90	18.85	22.17	22.26	22.18			
40	64QAM	1	1	19.50	19.52	19.57	18.93	18.95	18.78	22.23	22.25	22.20		23.0	
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	0.5	

n25				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)	
Channel				314000	316500	319000	314000	316500	319000	314000	316500	319000			
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895			
40	P12 BPSK	1	1	20.12	20.04	20.05	19.92	20.02	19.88	23.03	23.04	22.98	24.0	0.0	
40	P12 BPSK	1	108	20.05	20.13	20.00	19.92	19.94	19.91	23.00	23.05	22.97			
40	P12 BPSK	1	214	20.00	20.17	20.07	19.89	19.94	19.93	22.96	23.07	23.01			
40	P12 BPSK	108	0	20.08	20.08	20.00	19.97	19.92	19.96	23.04	23.01	22.99	24.0	0.0	
40	P12 BPSK	108	54	20.12	20.17	20.01	20.01	19.93	19.90	23.08	23.06	22.97	24.0	0.0	
40	P12 BPSK	108	108	20.09	20.11	20.01	19.97	19.92	19.98	23.04	23.03	23.01	24.0	0.0	
40	P12 BPSK	216	0	20.11	20.09	20.02	19.91	20.00	19.92	23.02	23.06	22.98			
40	QPSK	1	1	20.15	20.18	20.12	20.02	20.07	20.00	23.10	23.14	23.07			
40	QPSK	1	108	20.05	20.16	19.88	19.80	20.05	19.85	22.99	23.12	22.93	24.0	0.0	
40	QPSK	1	214	20.12	20.05	20.00	20.00	20.01	19.87	23.07	23.04	22.95	24.0	0.0	
40	QPSK	108	0	20.02	20.08	20.06	19.88	19.95	19.97	23.01	23.03	23.03			
40	QPSK	108	54	20.11	20.15	20.10	20.00	20.02	19.98	23.07	23.10	23.05			
40	QPSK	108	108	20.08	20.11	19.89	19.89	19.93	19.87	23.05	23.03	22.94	24.0	0.0	
40	QPSK	216	0	20.10	20.13	20.02	19.82	19.84	19.83	23.02	23.05	22.96	24.0	0.0	
40	16QAM	1	1	20.12	20.07	20.10	19.93	20.05	19.94	23.04	23.07	23.03			
40	64QAM	1	1	20.04	20.05	20.01	20.05	20.00	20.03	23.06	23.04	23.03			
40	256QAM	1	1	18.17	18.26	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	1.5	



n66				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Power Low	Power Middle	Power High	Power Low	Power Middle	Power High	Turn-up limit (dBm)	MRR (dB)
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
Channel				346000	346000	352000	346000	346000	352000	346000	349000	352000		
Frequency [MHz]				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PV2 BPSK	1	1	18.23	18.21	18.08	17.87	17.97	17.93	21.08	21.10	21.02	22.0	0.0
40	PV2 BPSK	1	108	18.15	18.17	18.17	17.97	17.97	17.85	21.07	21.08	21.02		
40	PV2 BPSK	1	214	18.12	18.18	18.16	17.87	17.88	17.82	21.01	21.04	21.05		
40	PV2 BPSK	108	0	18.16	18.14	18.13	17.93	18.00	17.92	21.06	21.08	21.04	22.0	0.0
40	PV2 BPSK	108	54	18.24	18.26	18.21	17.98	18.00	17.89	21.12	21.14	21.06	22.0	0.0
40	PV2 BPSK	108	108	18.18	18.14	18.09	17.95	17.95	17.89	21.08	21.08	21.00	22.0	0.0
40	PV2 BPSK	216	0	18.12	18.21	18.19	17.99	17.94	17.84	21.07	21.09	21.03	22.0	0.0
40	QPSK	1	1	18.20	18.28	18.22	18.00	18.01	17.97	21.14	21.16	21.11		
40	QPSK	1	108	18.24	18.26	18.12	17.86	18.00	17.88	21.06	21.14	21.01		
40	QPSK	1	214	18.18	18.19	18.17	17.95	17.95	17.89	21.08	21.08	21.04	22.0	0.0
40	QPSK	108	0	18.18	18.20	18.19	17.93	17.90	17.87	21.07	21.08	21.04		
40	QPSK	108	54	18.20	18.23	18.21	17.98	18.00	17.90	21.10	21.13	21.08		
40	QPSK	108	108	18.10	18.19	18.07	17.97	17.95	17.90	21.05	21.08	21.00	22.0	0.0
40	QPSK	216	0	18.11	18.22	18.21	17.91	17.98	17.90	21.02	21.11	21.07	22.0	0.0
40	16QAM	1	1	18.16	18.15	18.15	17.91	17.90	17.95	21.05	21.04	21.06	22.0	0.0
40	64QAM	1	1	18.17	18.22	18.17	17.85	17.88	17.95	21.02	21.08	21.07	22.0	0.0
40	256QAM	1	1	17.52	17.86	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.0	0.0

n66				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Power Low	Power Middle	Power High	Power Low	Power Middle	Power High	Turn-up limit (dBm)	MRR (dB)
				Ch / Freq	Ch / Freq	Ch / Freq	Ch / Freq	Ch / Freq	Ch / Freq	Ch / Freq	Ch / Freq	Ch / Freq		
Channel				346000	346000	352000	346000	346000	352000	346000	346000	352000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PV2 BPSK	1	1	18.85	18.92	18.78	19.19	19.20	19.23	22.03	22.07	22.02		
40	PV2 BPSK	1	108	18.78	18.89	18.80	19.15	19.27	19.23	21.98	22.09	22.03	22.5	0.0
40	PV2 BPSK	1	214	18.85	18.83	18.74	19.14	19.28	19.24	22.01	22.07	22.01		
40	PV2 BPSK	108	0	18.89	18.85	18.83	19.17	19.29	19.19	22.04	22.09	22.02	22.5	0.0
40	PV2 BPSK	108	54	18.85	18.80	18.72	19.09	19.33	19.23	21.98	22.08	21.99	22.5	0.0
40	PV2 BPSK	108	108	18.89	18.88	18.77	19.16	19.31	19.13	22.04	22.11	21.96	22.5	0.0
40	PV2 BPSK	216	0	18.84	18.86	18.80	19.08	19.30	19.13	21.97	22.10	21.98		
40	QPSK	1	1	18.92	18.94	18.85	19.23	19.25	19.25	22.09	22.16	22.06		
40	QPSK	1	108	18.84	18.84	18.70	19.10	19.25	19.23	21.98	22.06	21.98	22.5	0.0
40	QPSK	1	214	18.79	18.80	18.75	19.17	19.28	19.23	21.99	22.06	22.01		
40	QPSK	108	0	18.79	18.82	18.72	19.12	19.22	19.11	21.97	22.03	21.93	22.5	0.0
40	QPSK	108	54	18.89	18.93	18.73	19.16	19.30	19.23	22.04	22.13	22.00	22.5	0.0
40	QPSK	108	108	18.86	18.90	18.71	19.15	19.27	19.11	22.02	22.10	21.92	22.5	0.0
40	QPSK	216	0	18.85	18.85	18.71	19.13	19.29	19.24	22.00	22.08	21.99	22.5	0.0
40	16QAM	1	1	18.89	18.92	18.72	19.08	19.22	19.15	22.00	22.08	21.95	22.5	0.0
40	64QAM	1	1	18.77	18.82	18.72	19.20	19.29	19.20	22.00	22.07	21.98	22.5	0.0
40	256QAM	1	1	17.55	17.84	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	0.0



n66				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				346000	346000	352000	346000	346000	352000	346000	346000	352000	23.5	0.0
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	19.92	19.95	19.97	19.45	19.55	19.32	22.70	22.76	22.61	23.5	0.0
40	PI2 BPSK	1	108	19.93	19.95	19.93	19.37	19.43	19.37	22.67	22.71	22.62		
40	PI2 BPSK	1	214	19.95	19.97	19.89	19.38	19.47	19.30	22.68	22.74	22.62	23.5	0.0
40	PI2 BPSK	108	0	19.93	19.93	19.94	19.35	19.46	19.35	22.61	22.72	22.61		
40	PI2 BPSK	108	54	19.93	20.02	19.79	19.37	19.53	19.35	22.67	22.79	22.59	23.5	0.0
40	PI2 BPSK	108	108	19.88	19.89	19.79	19.34	19.47	19.35	22.63	22.70	22.59	23.5	0.0
40	PI2 BPSK	216	0	19.94	19.91	19.87	19.36	19.54	19.40	22.67	22.74	22.65		
40	QPSK	1	1	19.95	20.04	19.91	19.46	19.97	19.44	22.73	22.92	22.69	23.5	0.0
40	QPSK	1	108	19.95	19.97	19.87	19.40	19.54	19.30	22.69	22.77	22.60		
40	QPSK	1	214	19.95	19.97	19.88	19.42	19.52	19.29	22.65	22.76	22.61	23.5	0.0
40	QPSK	108	0	19.92	19.95	19.79	19.41	19.49	19.40	22.68	22.74	22.61		
40	QPSK	108	54	19.95	19.99	19.88	19.43	19.52	19.42	22.71	22.77	22.67	23.5	0.0
40	QPSK	108	108	19.85	19.98	19.78	19.40	19.43	19.34	22.64	22.72	22.58	23.5	0.0
40	QPSK	216	9	19.93	19.94	19.93	19.34	19.43	19.41	22.60	22.70	22.54	23.5	0.0
40	16QAM	1	1	19.89	20.02	19.88	19.43	19.53	19.41	22.68	22.79	22.66		
40	16QAM	1	1	19.94	20.02	19.81	19.38	19.45	19.33	22.68	22.75	22.59	23.5	0.0
40	256QAM	1	1	18.08	18.23	18.17	17.97	17.80	17.55	20.84	20.94	20.88	22.5	1.0

n66				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				1730	1745	1760	1730	1745	1760	1730	1745	1760	24.0	0.0
Frequency (MHz)														
40	PI2 BPSK	1	1	20.45	20.60	20.37	20.30	20.41	20.32	23.39	23.52	23.36	24.0	0.0
40	PI2 BPSK	1	108	20.47	20.57	20.41	20.29	20.42	20.30	23.39	23.51	23.37		
40	PI2 BPSK	1	214	20.42	20.60	20.46	20.27	20.41	20.36	23.36	23.52	23.42	24.0	0.0
40	PI2 BPSK	108	0	20.44	20.52	20.45	20.34	20.43	20.38	23.40	23.49	23.43		
40	PI2 BPSK	108	54	20.49	20.91	20.44	20.27	20.43	20.28	23.39	23.48	23.37	24.0	0.0
40	PI2 BPSK	108	108	20.50	20.57	20.37	20.32	20.30	20.27	23.42	23.45	23.33	24.0	0.0
40	PI2 BPSK	216	0	20.49	20.56	20.40	20.38	20.30	20.39	23.45	23.44	23.41		
40	QPSK	1	1	20.97	20.69	20.52	20.42	20.46	20.41	23.91	23.95	23.48	24.0	0.0
40	QPSK	1	108	20.43	20.57	20.45	20.37	20.44	20.37	23.36	23.52	23.42		
40	QPSK	1	214	20.52	20.53	20.39	20.31	20.43	20.33	23.43	23.49	23.37	24.0	0.0
40	QPSK	108	0	20.43	20.50	20.43	20.34	20.38	20.31	23.40	23.45	23.38		
40	QPSK	108	54	20.56	20.57	20.45	20.41	20.42	20.35	23.50	23.51	23.43	24.0	0.0
40	QPSK	108	108	20.55	20.50	20.40	20.36	20.38	20.32	23.46	23.45	23.37	24.0	0.0
40	QPSK	216	0	20.52	20.56	20.40	20.37	20.40	20.29	23.46	23.49	23.36		
40	16QAM	1	1	20.56	20.58	20.49	20.30	20.33	20.38	23.44	23.47	23.45	24.0	0.0
40	64QAM	1	1	20.47	20.61	20.45	20.31	20.42	20.29	23.40	23.53	23.38	24.0	0.0
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	1.5



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Max [Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Max [Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Max [Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000
Frequency [MHz]				2545.11	2552.74	2560	2545.11	2552.74	2560	2545.11	2552.74	2560
100	PI2 BPSK	1	1	20.55	20.76	20.72	20.42	20.50	20.45	20.50	20.64	20.60
100	PI2 BPSK	1	137	20.58	20.83	20.78	20.34	20.52	20.47	20.47	20.69	20.64
100	PI2 BPSK	1	271	20.58	20.88	20.81	20.41	20.51	20.47	20.50	20.70	20.65
100	PI2 BPSK	135	5	20.67	20.81	20.79	20.30	20.51	20.46	20.52	20.67	20.64
100	PI2 BPSK	135	86	20.59	20.82	20.82	20.38	20.52	20.43	20.50	20.68	20.64
100	PI2 BPSK	135	158	20.55	20.77	20.70	20.34	20.51	20.54	20.48	20.65	20.63
100	PI2 BPSK	270	5	20.64	20.80	20.82	20.38	20.58	20.41	20.51	20.70	20.63
100	QPSK	1	1	20.69	20.91	20.85	20.40	20.69	20.52	20.54	20.77	20.71
100	QPSK	1	137	20.64	20.88	20.82	20.42	20.56	20.47	20.54	20.74	20.69
100	QPSK	1	271	20.67	20.80	20.79	20.34	20.53	20.46	20.52	20.68	20.64
100	QPSK	135	0	20.67	20.85	20.75	20.35	20.55	20.48	20.52	20.71	20.63
100	QPSK	135	86	20.64	20.84	20.70	20.38	20.47	20.43	20.52	20.67	20.58
100	QPSK	135	158	20.62	20.82	20.80	20.30	20.51	20.50	20.47	20.68	20.68
100	15QAM	1	1	20.63	20.84	20.84	20.36	20.57	20.40	20.50	20.72	20.65
100	16QAM	1	1	20.61	20.80	20.79	20.41	20.51	20.45	20.52	20.67	20.65
100	256QAM	1	1	20.67	20.88	20.77	20.43	20.48	20.53	20.60	20.86	20.8

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Max [Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Max [Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Max [Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000
Frequency [MHz]				2545.11	2552.74	2560	2545.11	2552.74	2560	2545.11	2552.74	2560
100	PI2 BPSK	1	1	20.62	20.82	20.77	20.52	20.47	20.25	20.48	20.58	20.55
100	PI2 BPSK	1	137	20.65	20.88	20.84	20.27	20.60	20.40	20.47	20.70	20.64
100	PI2 BPSK	1	271	20.69	20.85	20.74	20.40	20.57	20.43	20.58	20.72	20.69
100	PI2 BPSK	135	5	20.64	20.77	20.70	20.30	20.50	20.35	20.51	20.67	20.64
100	PI2 BPSK	135	86	20.61	20.84	20.83	20.34	20.59	20.29	20.49	20.73	20.58
100	PI2 BPSK	135	158	20.68	20.77	20.72	20.41	20.50	20.31	20.58	20.65	20.53
100	PI2 BPSK	270	5	20.69	20.78	20.81	20.40	20.54	20.30	20.50	20.67	20.57
100	QPSK	1	1	20.73	20.90	20.80	20.40	20.61	20.41	20.60	20.79	20.68
100	QPSK	1	137	20.68	20.89	20.72	20.34	20.58	20.38	20.51	20.75	20.58
100	QPSK	1	271	20.72	20.85	20.85	20.37	20.52	20.32	20.58	20.58	20.58
100	QPSK	135	0	20.65	20.82	20.79	20.38	20.47	20.39	20.48	20.68	20.58
100	QPSK	135	86	20.61	20.86	20.85	20.40	20.56	20.29	20.57	20.73	20.58
100	QPSK	135	158	20.68	20.83	20.71	20.27	20.47	20.30	20.48	20.68	20.52
100	QPSK	270	0	20.74	20.87	20.70	20.31	20.50	20.38	20.54	20.70	20.58
100	15QAM	1	1	20.65	20.78	20.76	20.38	20.50	20.29	20.50	20.68	20.54
100	16QAM	1	1	20.55	20.70	20.71	20.10	20.48	20.33	20.27	20.61	20.53
100	256QAM	1	1	20.65	20.34	20.32	20.68	20.38	20.60	20.63	24.17	24.08



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MFR (dB)
Channel				5048.51	5182.09	5268.51	5048.51	5182.09	5268.51	5048.51	5182.09	5268.51		
Frequency [MHz]				254.61	518.50	528.05	254.61	518.50	528.05	254.61	518.50	528.05		
100	PQ2-BPSK	1	1	20.17	20.41	20.26	20.29	20.53	20.41	23.24	23.48	23.35		
100	PQ2-BPSK	1	137	20.15	20.30	20.38	20.22	20.52	20.31	23.20	23.47	23.38	24.5	0.0
100	PQ2-BPSK	1	271	20.11	20.41	20.38	20.30	20.54	20.53	23.22	23.49	23.39		
100	PQ2-BPSK	135	5	20.13	20.37	20.36	20.20	20.50	20.39	23.21	23.47	23.37	24.5	0.0
100	PQ2-BPSK	135	66	20.18	20.30	20.27	20.19	20.44	20.34	23.19	23.42	23.32	24.5	0.0
100	PQ2-BPSK	135	138	20.17	20.43	20.25	20.16	20.44	20.35	23.18	23.45	23.28	24.5	0.0
100	PQ2-BPSK	235	5	20.10	20.40	20.27	20.24	20.43	20.28	23.15	23.43	23.26		
100	QPSK	1	1	20.20	20.47	20.40	20.20	20.58	20.43	23.30	23.54	23.42		
100	QPSK	1	137	20.20	20.30	20.38	20.28	20.54	20.36	23.28	23.46	23.38	24.5	0.0
100	QPSK	1	271	20.16	20.44	20.35	20.22	20.44	20.38	23.20	23.45	23.37		
100	QPSK	135	5	20.11	20.40	20.34	20.21	20.35	20.31	23.22	23.49	23.34	24.5	0.0
100	QPSK	135	66	20.14	20.30	20.30	20.27	20.50	20.35	23.22	23.46	23.34	24.5	0.0
100	QPSK	135	138	20.14	20.30	20.30	20.27	20.50	20.35	23.22	23.46	23.34	24.5	0.0
100	QPSK	235	5	20.12	20.44	20.30	20.28	20.43	20.42	23.20	23.45	23.40	24.5	0.0
100	SSB-AM	1	1	20.20	20.44	20.34	20.20	20.48	20.42	23.27	23.47	23.38	24.5	0.0
100	SSB-AM	1	1	20.16	20.44	20.35	20.21	20.48	20.52	23.25	23.47	23.34	24.5	0.0
100	SSB-AM	1	1	20.19	20.40	20.37	20.28	20.48	20.41	23.24	23.46	23.40	24.5	0.0

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MFR (dB)
Channel				505052	518508	528052	505052	518508	528052	505052	518508	528052		
Frequency [MHz]				254.61	518.50	528.05	254.61	518.50	528.05	254.61	518.50	528.05		
100	PQ2-BPSK	1	1	23.23	23.47	23.30	23.31	23.40	23.31	26.25	26.45	26.34		
100	PQ2-BPSK	1	137	23.23	23.30	23.30	23.26	23.46	23.31	26.20	26.42	26.32	27.5	0.0
100	PQ2-BPSK	1	271	23.29	23.40	23.42	23.38	23.52	23.38	26.30	26.47	26.41		
100	PQ2-BPSK	135	5	23.23	23.39	23.34	23.30	23.50	23.38	26.28	26.46	26.37	27.5	0.0
100	PQ2-BPSK	135	66	23.20	23.39	23.43	23.33	23.54	23.38	26.28	26.48	26.42	27.5	0.0
100	PQ2-BPSK	135	138	23.29	23.35	23.39	23.30	23.51	23.38	26.34	26.44	26.38	27.5	0.0
100	PQ2-BPSK	235	5	23.20	23.43	23.32	23.37	23.45	23.26	26.30	26.45	26.35		
100	QPSK	1	1	23.30	23.20	23.40	23.30	23.30	23.40	26.30	26.30	26.40		
100	QPSK	1	137	23.26	23.44	23.48	23.33	23.51	23.28	26.37	26.48	26.34	27.5	0.0
100	QPSK	1	271	23.15	23.41	23.37	23.36	23.51	23.39	26.27	26.47	26.35		
100	QPSK	135	5	23.18	23.44	23.35	23.30	23.45	23.33	26.25	26.46	26.35	27.5	0.0
100	QPSK	135	66	23.20	23.40	23.40	23.30	23.50	23.38	26.30	26.50	26.40	27.5	0.0
100	QPSK	135	138	23.27	23.44	23.37	23.30	23.42	23.28	26.30	26.44	26.33	27.5	0.0
100	QPSK	235	5	23.17	23.45	23.42	23.26	23.45	23.38	26.23	26.48	26.42	27.5	0.0
100	SSB-AM	1	1	23.20	23.44	23.37	23.34	23.47	23.31	26.28	26.47	26.35	27.5	0.0
100	SSB-AM	1	1	23.18	23.46	23.37	23.25	23.48	23.38	26.25	26.49	26.39	27.5	0.0
100	SSB-AM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.75	24.11	24.01	25.5	2.0

FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052
Frequency [MHz]				254.61	254.62	254.63	254.61	254.62	254.63	254.61	254.62	254.63
100	PI2-BPSK	1	1	20.27	20.50	20.49	20.43	20.50	20.45	20.38	20.51	20.45
100	PI2-BPSK	1	137	20.30	20.50	20.43	20.34	20.52	20.47	20.33	20.55	20.48
100	PI2-BPSK	1	271	20.23	20.50	20.48	20.41	20.51	20.47	20.33	20.58	20.48
100	PI2-BPSK	135	5	20.35	20.51	20.42	20.35	20.51	20.48	20.38	20.55	20.45
100	PI2-BPSK	135	66	20.25	20.51	20.48	20.38	20.52	20.43	20.33	20.53	20.47
100	PI2-BPSK	135	138	20.38	20.51	20.42	20.34	20.51	20.44	20.38	20.55	20.48
100	PI2-BPSK	255	5	20.34	20.48	20.53	20.38	20.58	20.41	20.38	20.55	20.48
100	QPSK	1	1	20.38	20.47	20.52	20.40	20.60	20.50	20.43	20.62	20.50
100	QPSK	1	137	20.38	20.44	20.45	20.42	20.58	20.45	20.38	20.52	20.48
100	QPSK	1	271	20.25	20.52	20.54	20.34	20.53	20.48	20.31	20.54	20.51
100	QPSK	135	5	20.28	20.47	20.44	20.38	20.55	20.48	20.32	20.52	20.47
100	QPSK	135	66	20.35	20.50	20.44	20.35	20.47	20.43	20.37	20.48	20.5
100	QPSK	135	138	20.30	20.50	20.44	20.38	20.47	20.43	20.35	20.50	20.45
100	QPSK	255	5	20.37	20.52	20.50	20.38	20.51	20.50	20.35	20.53	20.51
100	MSAM	1	1	20.34	20.50	20.48	20.28	20.50	20.42	20.38	20.48	20.5
100	MSAM	1	1	20.27	20.50	20.44	20.41	20.51	20.46	20.35	20.54	20.47
100	256QAM	1	1	20.27	20.54	20.48	20.43	20.48	20.53	20.38	20.51	20.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052
Frequency [MHz]				254.61	254.62	254.63	254.61	254.62	254.63	254.61	254.62	254.63
100	PI2-BPSK	1	1	20.33	20.58	20.55	20.32	20.47	20.39	20.34	20.54	20.43
100	PI2-BPSK	1	137	20.42	20.65	20.47	20.27	20.60	20.40	20.38	20.64	20.45
100	PI2-BPSK	1	271	20.38	20.55	20.53	20.40	20.57	20.43	20.45	20.58	20.49
100	PI2-BPSK	135	5	20.42	20.53	20.58	20.35	20.55	20.35	20.45	20.55	20.47
100	PI2-BPSK	135	66	20.32	20.61	20.48	20.34	20.59	20.29	20.34	20.61	20.40
100	PI2-BPSK	135	138	20.48	20.55	20.52	20.41	20.58	20.31	20.42	20.53	20.43
100	PI2-BPSK	255	5	20.30	20.51	20.48	20.40	20.54	20.30	20.38	20.54	20.35
100	QPSK	1	1	20.40	20.60	20.58	20.42	20.61	20.44	20.40	20.63	20.50
100	QPSK	1	137	20.34	20.58	20.51	20.38	20.58	20.38	20.38	20.57	20.43
100	QPSK	1	271	20.38	20.58	20.43	20.37	20.52	20.32	20.38	20.55	20.35
100	QPSK	135	5	20.38	20.60	20.55	20.38	20.47	20.39	20.34	20.55	20.48
100	QPSK	135	66	20.32	20.60	20.44	20.33	20.58	20.44	20.44	20.61	20.45
100	QPSK	135	138	20.35	20.58	20.44	20.27	20.47	20.30	20.31	20.54	20.38
100	QPSK	255	5	20.32	20.60	20.53	20.31	20.55	20.38	20.33	20.50	20.48
100	MSAM	1	1	20.34	20.58	20.48	20.38	20.52	20.29	20.38	20.55	20.43
100	MSAM	1	1	20.02	20.51	20.10	20.16	20.45	20.33	20.10	20.40	20.23
100	256QAM	1	1	20.38	20.58	20.58	20.68	20.68	20.80	20.64	20.80	20.71



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052
Frequency [MHz]				2541.61	2542.59	2543.57	2541.61	2542.59	2543.57	2541.61	2542.59	2543.57
100	PQ2-BPSK	1	1	22.27	22.45	22.46	22.52	22.79	22.85	25.48	25.52	25.57
100	PQ2-BPSK	1	137	22.34	22.52	22.37	22.69	22.79	22.97	25.51	25.67	25.48
100	PQ2-BPSK	1	271	22.30	22.52	22.39	22.67	22.77	22.67	25.50	25.66	25.34
100	PQ2-BPSK	135	5	22.27	22.45	22.39	22.69	22.82	22.60	25.48	25.64	25.51
100	PQ2-BPSK	135	66	22.35	22.45	22.38	22.59	22.83	22.68	25.48	25.67	25.52
100	PQ2-BPSK	135	138	22.39	22.44	22.49	22.63	22.82	22.65	25.52	25.64	25.58
100	PQ2-BPSK	255	5	22.38	22.53	22.47	22.54	22.83	22.58	25.47	25.59	25.54
100	QPSK	1	1	22.40	22.52	22.52	22.69	22.82	22.70	25.52	25.75	25.57
100	QPSK	1	137	22.38	22.44	22.46	22.61	22.61	22.58	25.51	25.66	25.59
100	QPSK	1	271	22.29	22.45	22.46	22.55	22.76	22.64	25.43	25.65	25.35
100	QPSK	135	5	22.32	22.45	22.46	22.52	22.88	22.64	25.48	25.69	25.57
100	QPSK	135	66	22.40	22.50	22.46	22.61	22.82	22.64	25.52	25.73	25.48
100	QPSK	135	138	22.27	22.48	22.36	22.61	22.83	22.57	25.45	25.67	25.48
100	QPSK	255	5	22.31	22.50	22.42	22.52	22.83	22.63	25.44	25.70	25.55
100	SSB-AM	1	1	22.35	22.46	22.35	22.63	22.83	22.38	25.58	25.67	25.56
100	SSB-AM	1	1	22.28	22.42	22.45	22.59	22.80	22.55	25.45	25.62	25.51
100	SSB-AM	1	1	26.30	26.75	26.53	26.52	27.63	26.97	29.32	29.89	29.58

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052
Frequency [MHz]				2541.61	2542.59	2543.57	2541.61	2542.59	2543.57	2541.61	2542.59	2543.57
100	PQ2-BPSK	1	1	25.27	25.48	25.38	25.53	25.97	25.59	28.45	28.68	28.45
100	PQ2-BPSK	1	137	25.33	25.52	25.40	25.68	25.60	25.15	28.22	28.57	28.29
100	PQ2-BPSK	1	271	25.37	25.67	25.30	25.64	25.53	25.08	28.22	28.51	28.25
100	PQ2-BPSK	135	5	24.48	24.75	24.53	24.64	24.82	24.33	27.41	27.80	27.44
100	PQ2-BPSK	135	66	25.19	25.45	25.25	25.50	25.52	25.07	28.11	28.50	28.17
100	PQ2-BPSK	135	138	24.50	24.58	24.40	24.51	25.52	25.03	27.69	28.09	27.74
100	PQ2-BPSK	255	5	24.34	24.61	24.43	24.25	24.77	24.28	27.31	27.75	27.36
100	QPSK	1	1	25.40	25.69	25.43	25.72	25.50	25.09	28.57	28.74	28.57
100	QPSK	1	137	25.58	25.67	25.58	25.68	25.79	25.83	28.50	28.62	28.51
100	QPSK	1	271	25.36	25.67	25.33	25.60	25.64	25.64	28.49	28.67	28.52
100	QPSK	135	5	24.03	24.29	24.05	24.02	24.44	24.00	27.64	27.38	27.54
100	QPSK	135	66	24.06	24.26	24.04	24.04	24.57	24.05	27.65	27.45	27.55
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57
100	QPSK	255	5	24.02	24.25	24.09	24.03	24.55	24.07	27.65	27.45	27.59
100	SSB-AM	1	1	24.91	25.22	24.90	25.09	25.52	25.06	27.97	28.58	28.09
100	SSB-AM	1	1	22.96	23.21	22.90	23.07	23.55	23.09	26.05	26.39	26.05
100	SSB-AM	1	1	26.30	26.77	26.54	26.58	27.68	26.94	29.55	29.94	29.60



Part96_n48				Ant 4			Ant 8			Ant 4+8					Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332				
Frequency (MHz)				3570	3674.98	3679.98	3570	3674.99	3679.98	3570	3674.99	3679.98				
40	QPSK	1	1	14.46	14.54	14.41	13.95	14.02	14.05	17.23	17.35	17.22	18.5	0.0		
40	QPSK	1	83	14.35	14.49	14.29	13.87	13.98	13.85	17.13	17.25	17.09				
40	QPSK	1	104	14.44	14.50	14.34	13.95	13.94	13.90	17.21	17.24	17.14				
40	QPSK	53	0	14.35	14.44	14.33	13.84	13.91	13.88	17.11	17.19	17.11				
40	QPSK	53	27	14.41	14.50	14.36	13.93	14.00	13.98	17.19	17.27	17.18				
40	QPSK	53	53	14.33	14.47	14.30	13.89	13.91	13.98	17.13	17.21	17.15	18.5	0.0		
40	QPSK	106	0	14.36	14.50	14.30	13.84	13.97	13.94	17.12	17.25	17.13	18.5	0.0		
40	16QAM	1	1	14.36	14.39	14.31	13.85	13.89	13.93	17.12	17.16	17.13	18.5	0.0		
40	64QAM	1	1	14.32	14.40	14.35	13.93	14.00	13.87	17.14	17.23	17.13	18.5	0.0		
40	256QAM	1	1	14.40	14.50	14.29	13.82	13.92	13.86	17.15	17.23	17.16	18.5	0.0		

Part96_n48				Ant 4			Ant 6			Ant 4+6					Turn-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.				
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332				
Frequency (MHz)				3070	3074.98	3079.98	3070	3074.99	3079.98	3070	3074.99	3079.98				
40	QPSK	1	1	13.35	13.45	13.35	12.79	12.81	12.73	16.11	16.15	16.06	17.5	0.0		
40	QPSK	1	53	13.36	13.31	13.26	12.65	12.71	12.61	16.03	16.03	15.96				
40	QPSK	1	104	13.23	13.35	13.21	12.73	12.73	12.61	16.00	16.06	15.93				
40	QPSK	53	0	13.25	13.41	13.25	12.66	12.73	12.63	15.98	16.09	15.96				
40	QPSK	53	27	13.30	13.43	13.32	12.77	12.78	12.65	16.08	16.13	16.01				
40	QPSK	53	53	13.31	13.36	13.22	12.69	12.70	12.62	16.02	16.05	15.94	17.5	0.0		
40	QPSK	106	0	13.25	13.30	13.26	12.72	12.75	12.61	16.00	16.04	15.96				
40	16QAM	1	1	13.28	13.39	13.22	12.69	12.76	12.67	16.01	16.10	15.96				
40	64QAM	1	1	13.36	13.35	13.29	12.78	12.70	12.69	16.09	16.05	16.01				
40	256QAM	1	1	13.29	13.36	13.26	12.72	12.68	12.72	16.02	16.04	16.01				

Part96_n48				Ant 3			Ant 8			Ant 3+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				3070	3054.99	3079.98	3070	3054.99	3079.98	3070	3054.99	3079.98			
40	QPSK	1	1	14.92	15.02	14.95	14.95	15.06	14.97	17.92	18.05	17.97	19.5	0.0	
40	QPSK	1	53	14.82	15.01	14.93	14.87	14.93	14.91	17.86	17.98	17.93	19.5	0.0	
40	QPSK	1	104	14.77	14.99	14.92	14.89	15.01	14.85	17.84	18.01	17.90	19.5	0.0	
40	QPSK	53	0	14.89	14.89	14.92	14.83	15.01	14.95	17.87	17.96	17.95	19.5	0.0	
40	QPSK	53	27	14.91	15.00	14.93	14.88	15.03	14.98	17.91	18.03	17.96	19.5	0.0	
40	QPSK	53	53	14.77	14.95	14.88	14.77	14.98	14.95	17.78	17.97	17.93	19.5	0.0	
40	QPSK	106	0	14.86	14.96	14.92	14.84	14.95	14.92	17.86	17.97	17.93	19.5	0.0	
40	16QAM	1	1	14.90	15.00	14.88	14.86	15.04	14.94	17.89	18.03	17.92	19.5	0.0	
40	64QAM	1	1	14.88	14.88	14.93	14.79	14.98	14.85	17.85	17.94	17.90	19.5	0.0	
40	256QAM	1	1	14.72	14.85	14.67	14.56	14.64	14.57	17.65	17.68	17.63	19.5	0.0	

Part96_n48				Ant 3			Ant 6			Ant 3+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				3072	3054.89	3079.88	3072	3054.89	3079.88	3072	3054.89	3079.88			
40	QPSK	1	1	13.25	13.30	13.22	12.02	12.08	12.05	15.58	15.74	15.67	17.5	0.0	
40	QPSK	1	53	13.12	13.29	13.12	11.80	11.98	11.97	15.55	15.69	15.59	17.5	0.0	
40	QPSK	1	104	13.21	13.29	13.18	11.88	11.95	11.95	15.61	15.68	15.62	17.5	0.0	
40	QPSK	53	0	13.15	13.20	13.23	11.95	11.95	11.88	15.60	15.63	15.62	17.5	0.0	
40	QPSK	53	27	13.16	13.26	13.25	11.99	12.05	12.05	15.64	15.71	15.68	17.5	0.0	
40	QPSK	53	53	13.12	13.18	13.14	11.93	12.01	11.90	15.58	15.64	15.57	17.5	0.0	
40	QPSK	106	0	13.13	13.20	13.13	11.98	12.03	11.98	15.60	15.65	15.59	17.5	0.0	
40	16QAM	1	1	13.11	13.22	13.19	11.95	12.04	11.87	15.58	15.68	15.59	17.5	0.0	
40	64QAM	1	1	13.19	13.25	13.19	11.88	12.01	11.87	15.59	15.68	15.59	17.5	0.0	
40	256QAM	1	1	13.13	13.29	13.23	11.97	11.97	12.00	15.60	15.69	15.67	17.5	0.0	

Part2Q7_n77(PC2)				Ant 4				Ant 8				Ant 4+8			
Exp Path	Modulation	Rate	RB Offset	Power Line [dBm]	Power Max [dBm]	Power Avg [dBm]	Power Peak [dBm]	Power Line [dBm]	Power Max [dBm]	Power Avg [dBm]	Power Peak [dBm]	Power Line [dBm]	Power Max [dBm]	Power Avg [dBm]	Power Peak [dBm]
Channel Name				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100	PSK256QAM	1		16.70	16.70	16.70	16.70								
100	PSK256QAM	1	197	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	PSK256QAM	1	394	16.70	16.70	16.70	16.70								
100	PSK256QAM	1	591	16.69	16.69	16.69	16.69					20.0	20.0	20.0	0.0
100	PSK256QAM	1	788	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	PSK256QAM	1	985	16.69	16.69	16.69	16.69					20.0	20.0	20.0	0.0
100	PSK256QAM	1	1182	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	PSK256QAM	1	1379	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1		16.70	16.70	16.70	16.70								
100	QPSK64	1	197	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	394	16.70	16.70	16.70	16.70								
100	QPSK64	1	591	16.69	16.69	16.69	16.69					20.0	20.0	20.0	0.0
100	QPSK64	1	788	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	985	16.69	16.69	16.69	16.69					20.0	20.0	20.0	0.0
100	QPSK64	1	1182	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	1379	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	1576	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	1773	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	1970	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	2167	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	2364	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	2561	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	2758	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	2955	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	3152	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0
100	QPSK64	1	3349	16.70	16.70	16.70	16.70					20.1	20.1	20.1	0.0

[illegible]

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Part27Q_n77(PC1.5)				Ant 4				Ant 6				Ant 4+6				Average gain	SFR
Port ID	Subcarrier	Bit Size	Bit Offset	Power Low dBm	Power High dBm	Power Low dBm	Power High dBm	Power Low dBm	Power High dBm	Power Low dBm	Power High dBm	Power Low dBm	Power High dBm				
Downlink				Power Low dBm	Power High dBm	Power Low dBm	Power High dBm	Power Low dBm	Power High dBm	Power Low dBm	Power High dBm	Power Low dBm	Power High dBm				
100	PRBS4096	8	1	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	PRBS4096	8	2	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40				
100	PRBS4096	8	3	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40				
100	PRBS4096	8	4	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40				
100	PRBS4096	16	5	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	PRBS4096	16	6	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	PRBS4096	16	7	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	PRBS4096	16	8	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	QPSK	8	1	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	QPSK	8	2	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	QPSK	8	3	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	QPSK	8	4	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	QPSK	16	5	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	QPSK	16	6	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	QPSK	16	7	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	QPSK	16	8	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	16QAM	16	1	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	16QAM	16	2	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	16QAM	16	3	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	16QAM	16	4	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	16QAM	16	5	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	16QAM	16	6	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	16QAM	16	7	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		
100	16QAM	16	8	18.90	19.40	18.40	18.90	18.90	19.40	18.90	19.40	18.90	19.40	20.0	64		

Part27O_n77(PC2)				Ant 4			Ant 6			Ant 4+6			Time-up time (min)	SMT/ job
Ant 3/4/5	Modulator	RF Size	RF Offset	Power Low Ch. 1/Freq.	Power Power Ch. 1/Freq.	Power High Ch. 1/Freq.	Power Low Ch. 2/Freq.	Power Power Ch. 2/Freq.	Power High Ch. 2/Freq.	Power Low Ch. 3/Freq.	Power Power Ch. 3/Freq.	Power High Ch. 3/Freq.		
Channel				3.750	3.840	3.930	3.950	3.960	3.970	3.980	3.990	4.000		
Frequency MHz				3.750	3.840	3.930	3.950	3.960	3.970	3.980	3.990	4.000		
100	PRO-BPSC	1	1	15.81	15.82	15.83	15.76	15.88	15.86	15.82	15.89	15.84		
100	PRO-BPSC	1	107	15.83	15.82	15.83	15.85	15.87	15.88	15.89	15.82	15.84	15.5	0.0
100	PRO-BPSC	1	211	15.85	15.81	15.81	15.83	15.84	15.85	15.85	15.85	15.84		
100	PRO-BPSC	100	0	15.87	15.85	15.85	15.79	15.75	15.71	15.85	15.82	15.85	15.5	0.0
100	PRO-BPSC	100	100	15.85	15.85	15.87	15.79	15.74	15.71	15.85	15.71	15.85	15.5	0.0
100	PRO-BPSC	100	100	15.85	15.85	15.84	15.88	15.85	15.74	15.85	15.84	15.85		
100	PRO-BPSC	200	0	15.85	15.85	15.87	15.85	15.84	15.75	15.81	15.84	15.85	15.0	0.0
100	CPSC	1	1	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75		
100	CPSC	1	107	15.84	15.82	15.82	15.82	15.78	15.75	15.84	15.84	15.72	15.5	0.0
100	CPSC	1	211	15.85	15.78	15.85	15.85	15.84	15.76	15.85	15.85	15.85		
100	CPSC	100	0	15.85	15.85	15.81	15.84	15.85	15.75	15.85	15.85	15.85	15.5	0.0
100	CPSC	100	100	15.87	15.85	15.85	15.79	15.72	15.71	15.74	15.81	15.72	15.5	0.0
100	CPSC	200	100	15.85	15.85	15.82	15.84	15.84	15.71	15.85	15.81	15.85	15.0	0.0
100	CPSC	200	0	15.85	15.85	15.86	15.79	15.81	15.81	15.85	15.85	15.85		
100	SCAM	1	1	15.47	15.47	15.50	15.39	15.47	15.71	15.51	15.58	15.41	15.5	0.0
100	SCAM	1	1	15.51	15.50	15.52	15.71	15.57	15.71	15.60	15.59	15.60	15.5	0.0
100	SCAM	100	0	15.50	15.50	15.52	15.61	15.58	15.45	15.51	15.51	15.51	15.5	0.0

Part27Q_n77(PC2)				Ant 3		Ant 8		Ant 3+8			
Port ID	Accession	RS Size	RS Other	Power Line Loss (dB)	Power Line Gain (dB)	Power Line Loss (dB)	Power Line Gain (dB)	Power Line Loss (dB)	Power Line Gain (dB)	Power Line Loss (dB)	Power Line Gain (dB)
Downlink				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Power Spectral Density (dBm/Hz)				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100	P27Q-PC2	0	1	16.18	17.01	17.01	21.05				
100	Q27Q-PC2	0	1	16.18	17.01	17.01	21.05			20.0	0.0
100	P27Q-PC2	0	201	16.18	17.01	17.01	21.05				
100	Q27Q-PC2	0	201	16.18	17.01	17.01	21.05			20.0	0.0
100	P27Q-PC2	100	0	16.12	16.23	16.23	20.0			20.0	0.0
100	Q27Q-PC2	100	0	16.12	16.23	16.23	20.0			20.0	0.0
100	P27Q-PC2	100	100	16.02	17.07	17.07	22.11			22.0	0.0
100	Q27Q-PC2	100	100	16.02	17.07	17.07	22.11			22.0	0.0
100	Q27Q	0	1	16.12	16.23	16.23	21.07				
100	Q27Q	0	201	16.12	16.23	16.23	21.07			20.0	0.0
100	Q27Q	100	0	16.12	16.23	16.23	20.0			20.0	0.0
100	Q27Q	100	100	16.02	17.07	17.07	22.11			22.0	0.0
100	Q27Q	100	100	16.02	17.07	17.07	22.11			22.0	0.0
100	Q27Q	200	0	16.12	16.23	16.23	21.07			20.0	0.0
100	Q27Q	200	200	16.02	17.07	17.07	22.11			22.0	0.0

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Part270_n77(PC2)				Ant 3				Ant 6				Ant 3+6			
Site ID	Antenna	Site ID	Site ID	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)
Quadrant				Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)
Quadrant 1															
100	Part270_n77	1		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	2		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	3		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	4		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	5		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	6		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	7		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	8		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	9		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	10		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	11		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	12		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	13		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	14		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	15		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	16		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	17		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	18		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	19		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	20		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	21		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	22		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	23		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	24		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	25		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	26		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	27		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	28		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	29		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	30		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	31		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	32		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	33		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	34		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	35		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	36		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	37		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	38		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	39		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	40		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	41		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	42		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	43		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	44		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	45		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	46		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	47		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	48		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	49		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	50		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	51		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	52		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	53		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	54		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	55		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	56		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	57		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	58		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	59		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	60		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	61		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	62		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	63		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	64		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	65		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	66		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	67		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	68		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	69		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	70		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	71		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	72		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	73		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	74		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	75		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	76		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	77		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	78		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	79		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	80		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	81		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	82		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	83		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	84		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	85		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	86		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	87		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76	15.67			
100	Part270_n77	88		15.86	15.75	15.71	15.84	15.71	15.81	15.68	15.76</				

Part270_n77(PC1.5)					Ant 3					Ant 6					Ant 3+6					
SW Class	Modulation	Rate	CS	SC Offset	Power Low [dBm]	Power High [dBm]	Power Max [dBm]	Power Avg [dBm]	Power Low [dBm]	Power High [dBm]	Power Max [dBm]	Power Avg [dBm]	Power Low [dBm]	Power High [dBm]	Power Max [dBm]	Power Avg [dBm]	Power Low [dBm]	Power High [dBm]	Power Max [dBm]	Power Avg [dBm]
					Emission				Emission				Emission				Emission			
					Low	High	Max	Avg	Low	High	Max	Avg	Low	High	Max	Avg	Low	High	Max	Avg
100	PSK256QAM	1	0		18.71	18.74	18.80	18.84	18.72	18.73	18.83	21.80	21.74	21.82						
100	PSK256QAM	1	0		18.71	18.74	18.80	18.84	18.72	18.73	18.83	21.80	21.74	21.82			20.0	0.0		
100	PSK256QAM	1	0		18.80	18.80	18.80	18.80	18.74	18.74	18.80	21.80	21.80	21.80	21.80	21.80	20.0	0.0		
100	PSK256QAM	100	0		18.80	18.80	18.80	18.80	18.74	18.74	18.80	21.80	21.80	21.80	21.80	21.80	20.0	0.0		
100	PSK256QAM	100	0		18.84	18.84	18.80	18.79	18.80	18.80	21.80	21.79	21.82	21.80	21.82	21.80	20.0	0.0		
100	PSK256QAM	100	0		18.84	18.84	18.80	18.79	18.80	18.80	21.80	21.79	21.82	21.80	21.82	21.80	20.0	0.0		
100	QPSK	1	0		17.72	17.80	18.00	18.10	17.76	17.78	18.00	21.11	21.00	21.10						
100	QPSK	1	0		17.72	17.80	18.00	18.10	17.76	17.78	18.00	21.11	21.00	21.10			20.0	0.0		
100	QPSK	1	0		18.00	18.00	18.70	18.70	18.00	18.00	18.70	21.80	21.80	21.80	21.80	21.80	20.0	0.0		
100	QPSK	1	0		18.00	18.00	18.70	18.70	18.00	18.00	18.70	21.80	21.80	21.80	21.80	21.80	20.0	0.0		
100	QPSK	100	0		18.02	18.78	18.70	18.70	18.04	18.04	18.70	21.72	21.72	21.80	21.80	21.80	20.0	0.0		
100	QPSK	100	0		18.02	18.78	18.70	18.70	18.04	18.04	18.70	21.72	21.72	21.80	21.80	21.80	20.0	0.0		
100	QPSK	100	0		18.00	18.00	18.70	18.70	18.00	18.00	18.70	21.80	21.80	21.80	21.80	21.80	20.0	0.0		
100	QPSK	100	0		18.00	18.00	18.70	18.70	18.00	18.00	18.70	21.80	21.80	21.80	21.80	21.80	20.0	0.0		
100	QPSK	1	0		18.57	18.60	18.70	18.84	18.56	18.56	18.82	21.60	21.60	21.70	21.60	21.70	20.0	0.0		
100	QPSK	1	0		18.57	18.60	18.70	18.84	18.56	18.56	18.82	21.60	21.60	21.70	21.60	21.70	20.0	0.0		
100	QPSK	100	0		18.56	18.60	18.70	18.84	18.56	18.56	18.82	21.60	21.60	21.70	21.60	21.70	20.0	0.0		



Part27Q_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3499.98			3499.98			3499.98					
100	QPSK	1	1	15.81			15.54			15.74			20.5	0.0	
100	QPSK	1	137	15.73			15.54			16.65					
100	QPSK	1	271	15.68			15.54			16.62					
100	QPSK	137	0	15.68			15.51			16.61			20.5	0.0	
100	QPSK	137	68	15.80			15.63			16.73			20.5	0.0	
100	QPSK	137	136	15.75			15.61			16.69			20.5	0.0	
100	QPSK	273	0	15.69			15.58			16.65					
100	16QAM	1	1	15.67			15.54			16.62			20.5	0.0	
100	64QAM	1	1	15.75			15.62			16.70			20.5	0.0	
100	256QAM	1	1	15.76			15.57			16.68			20.5	0.0	

Part27O_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			650000			650000					
Frequency (MHz)				3799			3799			3799					
100	QPSK	1	1	15.65			15.56			15.68			20.5	0.0	
100	QPSK	1	137	15.68			15.57			16.63					
100	QPSK	1	271	15.55			15.63			16.60					
100	QPSK	137	0	15.61			15.59			16.61			20.5	0.0	
100	QPSK	137	68	15.67			15.63			16.66			20.5	0.0	
100	QPSK	137	136	15.56			15.60			16.59			20.5	0.0	
100	QPSK	273	0	15.58			15.56			16.58					
100	16QAM	1	1	15.61			15.64			16.64			20.5	0.0	
100	64QAM	1	1	15.64			15.57			16.57			20.5	0.0	
100	256QAM	1	1	15.65			15.54			16.61			20.5	0.0	

Part27Q_n78				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency [MHz]				3499.89			3499.89			3499.98				
100	QPSK	1	1	14.77			14.65			17.74				
100	QPSK	1	137	14.62			14.64			17.64			19.5	0.0
100	QPSK	1	271	14.65			14.63			17.65				
100	QPSK	137	0	14.72			14.67			17.66			19.5	0.0
100	QPSK	137	68	14.74			14.61			17.70			19.5	0.0
100	QPSK	137	136	14.65			14.69			17.64				
100	QPSK	273	0	14.71			14.69			17.66			19.5	0.0
100	16QAM	1	1	14.70			14.67			17.70			19.5	0.0
100	64QAM	1	1	14.66			14.69			17.65			19.5	0.0
100	256QAM	1	1	14.70			14.62			17.67			19.5	0.0



Part27O_n78

BW [MHz]	Modulation	RB Size	RB Offset	Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)			
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.					
				Channel			650000			650000					650000		
				Frequency (MHz)			3750			3750					3750		
100	QPSK	1	1		14.67			14.68			17.69						
100	QPSK	1	137		14.58			14.53			17.57			19.5	0.0		
100	QPSK	1	271		14.54			14.54			17.55						
100	QPSK	137	0		14.56			14.64			17.61			19.5	0.0		
100	QPSK	137	68		14.65			14.66			17.67			19.5	0.0		
100	QPSK	137	136		14.60			14.53			17.58			19.5	0.0		
100	QPSK	273	0		14.58			14.60			17.60			19.5	0.0		
100	16QAM	1	1		14.53			14.60			17.58			19.5	0.0		
100	64QAM	1	1		14.54			14.60			17.58			19.5	0.0		
100	256QAM	1	1		14.50			14.61			17.61			19.5	0.0		

Part27Q_n78

				Ant 3			Ant 8			Ant 3+8					Tune-up limit (dBm)	MPR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.						
Channel				633332			633332			633332								
Frequency (MHz)				3469.68			3469.68			3469.68								
100	QPSK	1	1		17.16			17.13			20.16				22.0	0.0		
100	QPSK	1	137		17.10			17.03			20.08							
100	QPSK	1	271		17.12			17.11			20.13							
100	QPSK	137	0		17.06			17.03			20.06				22.0	0.0		
100	QPSK	137	68		17.09			17.06			20.09				22.0	0.0		
100	QPSK	137	136		17.04			17.05			20.06				22.0	0.0		
100	QPSK	273	0		17.13			17.00			20.08				22.0	0.0		
100	16QAM	1	1		17.11			17.03			20.08				22.0	0.0		
100	64QAM	1	1		17.12			17.12			20.13				22.0	0.0		
100	256QAM	1	1		17.09			16.91			19.96				21.5	0.5		

Part27O_n78				Ant 3			Ant 8			Ant 3+8				
RB [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency [MHz]				3750			3750			3750				
100	QPSK	1	1	17.17	17.14	17.12	17.16	17.12	17.14	20.17	20.14	20.17	22.0	0.0
100	QPSK	1	137	17.14			17.12			20.14				
100	QPSK	1	271	17.08			17.04			20.07				
100	QPSK	137	0	17.04			17.01			20.04			22.0	0.0
100	QPSK	137	68	17.11			17.10			20.11			22.0	0.0
100	QPSK	137	136	17.09			17.03			20.07				
100	QPSK	273	0	17.06			17.08			20.08			22.0	0.0
100	16QAM	1	1	17.15			17.05			20.11			22.0	0.0
100	64QAM	1	1	17.14			17.06			20.11			22.0	0.0
100	256QAM	1	1	17.10			17.00			20.06			21.5	0.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	633332	633332	633332	633332	633332	633332	633332	633332			
Frequency [MHz]				3499.96	3499.96	3499.96	3499.96	3499.96	3499.96	3499.96	3499.96	3499.96			
100	QPSK	1	1	14.63			14.64				17.65			19.5	0.0
100	QPSK	1	137	14.54			14.53				17.55				
100	QPSK	1	271	14.56			14.52				17.55				
100	QPSK	137	0	14.59			14.52				17.57			19.5	0.0
100	QPSK	137	68	14.61			14.52				17.63			19.5	0.0
100	QPSK	137	136	14.58			14.51				17.56				
100	QPSK	273	0	14.52			14.51				17.58			19.5	0.0
100	16QAM	1	1	14.48			14.58				17.54			19.5	0.0
100	64QAM	1	1	14.60			14.55				17.59			19.5	0.0
100	256QAM	1	1	14.49			14.45				17.50			19.5	0.0

Part27O_n78				Ant 3			Ant 6			Ant 3+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	650000	650000	650000	650000	650000	650000			
Frequency [MHz]				3950	3950	3950	3950	3950	3950	3950	3950	3950			
100	QPSK	1	1	14.66			14.66				17.67			19.5	0.0
100	QPSK	1	137	14.56			14.61				17.60				
100	QPSK	1	271	14.52			14.58				17.56				
100	QPSK	137	0	14.60			14.51				17.57			19.5	0.0
100	QPSK	137	68	14.65			14.53				17.65			19.5	0.0
100	QPSK	137	136	14.59			14.52				17.57				
100	QPSK	273	0	14.55			14.52				17.55			19.5	0.0
100	16QAM	1	1	14.53			14.55				17.55			19.5	0.0
100	64QAM	1	1	14.51			14.53				17.53			19.5	0.0
100	256QAM	1	1	14.61			14.65				17.64			19.5	0.0



Reduced Power Mode for DS19 UL MIMO

n2				Ant 2			Ant 1			Ant 2+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000	318000		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890	1890		
40	PV2 BPSK	1	1	22.43	22.55	22.53	22.25	22.33	22.28	25.35	25.45	25.41		26.5	0.0
40	PV2 BPSK	1	108	22.43	22.56	22.47	22.33	22.30	22.32	25.39	25.44	25.41			
40	PV2 BPSK	1	214	22.48	22.60	22.51	22.34	22.33	22.35	25.42	25.48	25.44			
40	PV2 BPSK	108	0	21.61	21.70	21.62	21.88	22.00	21.93	24.76	24.86	24.79	26.0	0.5	
40	PV2 BPSK	108	54	22.41	22.60	22.50	22.36	22.35	22.22	25.40	25.49	25.37	26.5	0.0	
40	PV2 BPSK	108	108	21.79	21.80	21.72	21.85	21.98	21.96	24.83	24.90	24.85	26.0	0.5	
40	PV2 BPSK	216	0	21.79	21.88	21.73	21.80	21.95	21.93	24.81	24.93	24.84			
40	QPSK	1	1	22.50	22.64	22.60	22.30	22.42	22.35	25.45	25.54	25.49			
40	QPSK	1	108	22.40	22.50	22.57	22.37	22.35	22.26	25.40	25.44	25.43	26.5	0.0	
40	QPSK	1	214	22.42	22.52	22.59	22.34	22.35	22.23	25.39	25.45	25.42			
40	QPSK	108	0	21.13	21.15	21.11	21.54	21.57	21.56	24.35	24.38	24.35	25.5	1.0	
40	QPSK	108	54	22.52	22.61	22.45	22.34	22.38	22.39	25.44	25.51	25.39	26.5	0.0	
40	QPSK	108	108	21.09	21.19	21.16	21.57	21.65	21.52	24.35	24.44	24.35	25.5	1.0	
40	QPSK	216	0	21.13	21.20	21.14	21.52	21.60	21.51	24.34	24.41	24.34	25.5	1.0	
40	16QAM	1	1	21.58	21.65	21.60	21.79	21.87	21.80	24.70	24.77	24.71	25.5	1.0	
40	64QAM	1	1	19.86	20.00	19.99	20.34	20.35	20.27	23.12	23.19	23.14	24.5	2.0	
40	256QAM	1	1	17.60	17.70	17.61	17.82	17.97	17.96	20.72	20.85	20.80	22.5	4.0	

n2				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000			
Frequency [MHz]				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PV2 BPSK	1	1	22.78	22.88	22.79	22.48	22.57	22.50	25.64	25.73	25.66	27.0	0.0	
40	PV2 BPSK	1	108	22.66	22.75	22.60	22.50	22.52	22.50	25.59	25.65	25.56			
40	PV2 BPSK	1	214	22.69	22.80	22.68	22.52	22.56	22.50	25.62	25.69	25.60			
40	PV2 BPSK	108	0	21.61	21.62	21.56	21.59	21.65	21.53	24.61	24.65	24.56	26.0	1.0	
40	PV2 BPSK	108	54	22.83	22.88	22.74	22.46	22.55	22.42	25.66	25.73	25.59	27.0	0.0	
40	PV2 BPSK	108	108	21.56	21.70	21.64	21.61	21.72	21.57	24.60	24.72	24.62	26.0	1.0	
40	PV2 BPSK	216	0	21.59	21.66	21.53	21.66	21.69	21.56	24.64	24.69	24.56			
40	QPSK	1	1	22.84	22.90	22.68	22.52	22.60	22.55	25.69	25.76	25.73			
40	QPSK	1	108	22.83	22.86	22.72	22.49	22.57	22.43	25.67	25.73	25.59	27.0	0.0	
40	QPSK	1	214	22.70	22.80	22.78	22.40	22.50	22.35	25.56	25.66	25.58			
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.39	24.44	24.36	25.5	1.5	
40	QPSK	108	54	22.81	22.85	22.70	22.37	22.52	22.51	25.61	25.70	25.62	27.0	0.0	
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.15	21.00	24.39	24.44	24.35	25.5 1.5		
40	QPSK	216	0	21.62	21.65	21.53	21.17	21.20	21.16	24.41	24.44	24.36	25.5 1.5		
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.16	21.05	24.40	24.53	24.41	25.5 1.5		
40	64QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94	24.5	2.5	
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	4.5	



n2				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				314400	316000	318000	314400	316000	318000	314400	316000	318000		
Frequency (MHz)				1870	1890	1890	1870	1880	1890	1870	1880	1890		
40	PW2 BPSK	1	1	22.78	22.85	22.79	22.56	22.70	22.57	25.68	25.79	25.89	27.0	0.0
40	PW2 BPSK	1	108	22.66	22.75	22.60	22.54	22.63	22.57	25.61	25.70	25.80		
40	PW2 BPSK	1	214	22.69	22.80	22.68	22.63	22.65	22.64	25.67	25.74	25.67	26.0	1.0
40	PW2 BPSK	108	0	21.61	21.62	21.56	21.68	21.80	21.73	24.66	24.72	24.66		
40	PW2 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0
40	PW2 BPSK	108	108	21.56	21.70	21.64	21.65	21.78	21.76	24.62	24.75	24.71	26.0	1.0
40	PW2 BPSK	216	0	21.59	21.66	21.53	21.60	21.75	21.73	24.61	24.72	24.64		
40	QPSK	1	1	22.85	22.90	22.85	22.65	22.75	22.73	25.77	25.84	25.80	27.0	0.0
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.69	22.62	25.71	25.79	25.68		
40	QPSK	1	214	22.70	22.80	22.78	22.60	22.65	22.53	25.66	25.74	25.67	26.5	1.5
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.36	24.50	24.53	24.50		
40	QPSK	108	54	22.81	22.85	22.70	22.57	22.71	22.59	25.70	25.79	25.71	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.65	21.37	21.45	21.32	24.51	24.59	24.50	25.5	1.5
40	QPSK	216	0	21.62	21.65	21.53	21.32	21.40	21.31	24.49	24.54	24.43		
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.66	24.77	24.67	25.5	1.5
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	2.5
40	256QAM	1	1	17.97	18.00	17.91	17.82	17.77	17.76	20.81	20.90	20.85	22.5	4.5

n25				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				314400	316000	318000	314400	316000	318000	314400	316000	318000		
Frequency (MHz)				1870	1882.5	1890	1870	1882.5	1890	1870	1882.5	1890		
40	PW2 BPSK	1	1	22.48	22.54	22.52	22.91	23.01	22.99	25.71	25.79	25.77	26.5	0.0
40	PW2 BPSK	1	108	22.50	22.62	22.48	22.99	22.96	23.02	25.76	25.80	25.77		
40	PW2 BPSK	1	214	22.51	22.66	22.59	22.73	23.03	23.04	25.63	25.66	25.63	26.0	0.5
40	PW2 BPSK	108	0	21.59	21.56	21.61	21.87	22.12	22.10	24.69	25.05	24.97		
40	PW2 BPSK	108	54	22.55	22.66	22.50	22.94	22.95	23.00	25.76	25.82	25.77	26.5	0.0
40	PW2 BPSK	108	108	21.85	21.90	21.76	21.94	22.21	22.22	24.91	25.07	25.01	26.0	0.5
40	PW2 BPSK	216	0	21.79	21.85	21.74	21.81	22.11	22.08	24.81	24.99	24.92		
40	QPSK	1	1	22.86	22.87	22.80	23.00	23.18	23.08	25.81	25.90	25.86	26.5	0.0
40	QPSK	1	108	22.44	22.52	22.56	22.86	22.87	22.86	25.67	25.76	25.77		
40	QPSK	1	214	22.49	22.55	22.52	22.85	23.09	23.06	25.68	25.84	25.81	26.5	1.0
40	QPSK	108	0	21.49	21.55	21.47	21.17	21.45	21.45	24.34	24.51	24.47		
40	QPSK	108	54	22.57	22.63	22.56	22.34	23.08	23.06	25.77	25.87	25.83	26.5	0.0
40	QPSK	108	108	21.44	21.50	21.35	21.22	21.52	21.49	24.34	24.52	24.43	25.5	1.0
40	QPSK	216	0	21.43	21.45	21.30	21.16	21.43	21.40	24.21	24.45	24.36		
40	16QAM	1	1	21.54	21.66	21.54	21.55	21.83	21.79	24.56	24.76	24.68	25.5	1.0
40	64QAM	1	1	20.22	20.25	20.14	20.10	20.40	20.40	23.17	23.34	23.28	24.5	2.0
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	4.0

n25				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314200	316500	319000	314200	316500	319000	314200	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	23.23	23.63	23.57	22.86	22.94	22.89	26.06	26.31	26.25	27.0	0.0
40	PI2 BPSK	1	108	23.04	23.46	23.43	22.76	22.80	22.79	25.91	26.15	26.13		
40	PI2 BPSK	1	214	23.21	23.61	23.54	22.62	22.76	22.73	25.94	26.22	26.16		
40	PI2 BPSK	108	0	21.96	22.38	22.33	21.63	21.67	21.62	24.82	25.05	25.00	26.0	1.0
40	PI2 BPSK	108	54	22.98	23.37	23.33	22.77	22.82	22.71	25.89	26.11	26.04	27.0	0.0
40	PI2 BPSK	108	108	22.07	22.45	22.42	21.60	21.75	21.71	24.85	25.12	25.09	26.0	1.0
40	PI2 BPSK	216	0	22.00	22.40	22.33	21.61	21.70	21.63	24.82	25.07	25.00	27.0	0.0
40	QPSK	1	1	23.25	23.67	23.64	22.55	22.58	22.53	26.11	26.36	26.31		
40	QPSK	1	108	23.16	23.56	23.53	22.70	22.83	22.80	25.96	26.24	26.19		
40	QPSK	1	214	23.16	23.62	23.57	22.70	22.80	22.79	25.96	26.24	26.21		
40	QPSK	108	0	21.17	21.60	21.47	21.09	21.17	21.14	24.14	24.37	24.32	25.5	1.5
40	QPSK	108	54	22.96	23.36	23.32	22.77	22.79	22.73	25.99	26.11	26.05	27.0	0.0
40	QPSK	108	108	21.34	21.72	21.68	21.09	21.13	21.09	24.23	24.45	24.41	25.5	1.5
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34	25.5	1.5
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64		
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18		
40	256QAM	1	1	17.70	18.06	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	4.5

n25				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314200	316500	319000	314200	316500	319000	314200	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	23.06	23.10	23.02	22.95	23.04	22.91	26.02	26.08	25.98	27.0	0.0
40	PI2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.65	25.88	25.95	25.96		
40	PI2 BPSK	1	214	23.01	23.02	22.87	22.65	22.78	22.66	25.84	25.90	25.83		
40	PI2 BPSK	108	0	23.51	23.60	23.56	23.02	23.12	22.91	25.29	25.38	25.32	26.0	1.0
40	PI2 BPSK	108	54	23.10	23.11	23.04	22.53	22.64	22.52	25.83	25.89	25.80	27.0	0.0
40	PI2 BPSK	108	108	22.44	22.53	22.38	22.11	22.17	22.03	25.29	25.36	25.22	26.0	1.0
40	PI2 BPSK	216	0	22.53	22.55	22.41	22.07	22.18	22.03	25.32	25.38	25.23		
40	QPSK	1	1	23.16	23.20	23.07	22.89	23.08	22.85	26.10	26.15	26.03		
40	QPSK	1	108	23.03	23.14	23.01	22.81	22.90	22.77	25.93	26.04	25.90	27.0	0.0
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95		
40	QPSK	108	0	21.99	22.08	22.00	21.30	21.43	21.28	24.69	24.78	24.67		
40	QPSK	108	54	22.96	23.10	23.03	22.77	22.87	22.77	25.88	26.00	25.91		
40	QPSK	108	108	21.94	22.05	21.96	21.48	21.55	21.48	24.73	24.82	24.70	27.0	0.0
40	QPSK	216	0	21.69	21.80	21.75	21.36	21.45	21.31	24.54	24.61	24.55	25.5	1.5
40	16QAM	1	1	22.08	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01	25.5	1.5
40	64QAM	1	1	20.56	20.58	20.47	20.41	20.51	20.37	23.50	23.56	23.43	24.5	2.5
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	4.5



n66				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	23.25	23.32	23.26	23.28	23.67	23.64	26.28	26.51	26.46	27.0	0.0
40	PI2 BPSK	1	108	23.29	23.38	23.33	23.41	23.78	23.73	26.36	26.59	26.54		
40	PI2 BPSK	1	214	23.29	23.35	23.30	23.12	23.54	23.48	26.22	26.46	26.40		
40	PI2 BPSK	108	0	22.94	22.99	22.91	22.14	22.95	22.49	25.10	25.34	25.27	26.0	1.0
40	PI2 BPSK	108	54	23.17	23.22	23.17	23.13	23.52	23.49	26.16	26.38	26.34	27.0	0.0
40	PI2 BPSK	108	108	22.05	22.12	22.07	22.14	22.96	22.52	25.11	25.36	25.31	26.0	1.0
40	PI2 BPSK	216	0	22.06	22.14	22.07	22.00	22.42	22.41	25.04	25.29	25.25	27.0	0.0
40	QPSK	1	1	23.25	23.28	23.23	23.41	23.61	23.79	26.38	26.62	26.58		
40	QPSK	1	108	23.22	23.31	23.23	23.32	23.74	23.73	26.28	26.54	26.50		
40	QPSK	1	214	23.30	23.36	23.28	23.34	23.76	23.70	26.33	26.57	26.51	27.0	0.0
40	QPSK	108	0	21.34	21.30	21.27	21.29	21.68	21.84	24.28	24.50	24.47	26.5	1.5
40	QPSK	108	54	23.29	23.37	23.31	23.31	23.70	23.69	26.31	26.55	26.50	27.0	0.0
40	QPSK	108	108	21.35	21.42	21.38	21.36	21.75	21.69	24.37	24.60	24.55	26.5	1.5
40	QPSK	216	0	21.22	21.29	21.24	21.30	21.68	21.67	24.27	24.50	24.47	26.5	1.5
40	16QAM	1	1	21.68	21.72	21.64	21.76	22.14	22.11	24.72	24.95	24.88		
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40	24.5	2.5
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	4.5

n66				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	23.38	23.48	23.39	22.81	22.96	22.81	26.11	26.24	26.12	27.0	0.0
40	PI2 BPSK	1	108	23.34	23.45	23.38	22.80	22.90	22.80	26.09	26.19	26.11		
40	PI2 BPSK	1	214	23.30	23.40	23.35	22.90	22.94	22.84	26.11	26.19	26.11		
40	PI2 BPSK	108	0	22.88	22.89	22.67	21.62	21.70	21.62	25.19	25.23	25.19	26.0	1.0
40	PI2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0
40	PI2 BPSK	108	108	22.80	22.85	22.57	21.58	21.65	21.50	25.13	25.19	25.08	26.0	1.0
40	PI2 BPSK	216	0	22.89	22.70	22.57	21.55	21.69	21.61	25.17	25.23	25.13	27.0	0.0
40	QPSK	1	1	23.45	23.50	23.43	22.95	23.00	22.91	26.22	26.27	26.22		
40	QPSK	1	108	23.37	23.44	23.36	22.75	22.90	22.81	26.08	26.19	26.12		
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.05	27.0	0.0
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54	26.5	1.5
40	QPSK	108	54	23.34	23.45	23.38	22.80	22.89	22.84	26.09	26.19	26.13	27.0	0.0
40	QPSK	108	108	22.00	22.15	22.02	21.07	21.12	21.06	24.57	24.68	24.58	26.5	1.5
40	QPSK	216	0	22.13	22.26	22.07	21.07	21.15	21.00	24.64	24.72	24.58	26.5	1.5
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76		
40	64QAM	1	1	20.85	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	2.5
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	4.5

n66				Ant 0			Ant 1			Ant 0+1						Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346500	346500	350000	346500	346500	350000	346500	346500	350000	346500	346500	350000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PQ2 BPSK	1	1	23.39	23.52	23.43	23.30	23.37	23.31	26.36	26.46	26.38					
40	PQ2 BPSK	1	108	23.33	23.48	23.36	23.26	23.35	23.28	26.31	26.43	26.33			27.0	0.0	
40	PQ2 BPSK	1	214	23.34	23.47	23.40	23.26	23.33	23.24	26.31	26.41	26.33					
40	PQ2 BPSK	108	0	22.79	22.91	22.83	22.67	22.75	22.68	25.74	25.84	25.77			26.0	1.0	
40	PQ2 BPSK	108	54	23.30	23.43	23.36	23.18	23.23	23.15	26.25	26.34	26.27			26.0	2.0	
40	PQ2 BPSK	108	108	22.70	22.85	22.78	22.46	22.51	22.42	25.59	25.69	25.61			26.0	1.0	
40	PQ2 BPSK	216	0	22.81	22.92	22.83	22.44	22.52	22.48	25.64	25.73	25.67					
40	QPSK	1	1	23.46	23.59	23.55	23.35	23.41	23.37	26.41	26.51	26.45					
40	QPSK	1	108	23.36	23.54	23.42	23.26	23.35	23.29	26.35	26.46	26.36			27.0	0.0	
40	QPSK	1	214	23.35	23.51	23.39	23.32	23.40	23.32	26.35	26.47	26.37					
40	QPSK	108	0	21.93	22.07	21.98	21.74	21.82	21.75	24.85	24.96	24.88			27.0	0.0	
40	QPSK	108	54	23.34	23.49	23.37	23.23	23.27	23.23	26.30	26.39	26.31			27.5	1.0	
40	QPSK	108	108	21.87	22.01	21.90	21.65	21.72	21.64	24.77	24.88	24.78			27.5	1.5	
40	QPSK	216	0	21.30	21.42	21.33	21.15	21.20	21.11	24.24	24.33	24.23			28.5	1.5	
40	16QAM	1	1	22.25	22.36	22.24	22.23	22.27	22.20	25.25	25.33	25.23			29.5	1.5	
40	64QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80			24.5	2.5	
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16			22.5	4.5	



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000
Frequency [MHz]				2244.1	2242.4	2242	2244.1	2242.4	2242	2244.1	2242.4	2242
100	PI2 BPSK	1	1	22.41	22.84	22.88	22.88	22.88	22.75	25.56	25.57	25.83
100	PI2 BPSK	1	137	22.18	22.84	22.87	22.81	22.85	22.68	25.41	25.88	25.83
100	PI2 BPSK	1	271	22.15	22.87	22.80	22.47	22.71	22.84	25.32	25.75	25.73
100	PI2 BPSK	135	5	22.00	22.78	22.75	22.51	22.76	22.57	25.30	25.75	25.87
100	PI2 BPSK	135	86	22.28	22.87	22.81	22.50	22.85	22.68	25.39	25.87	25.75
100	PI2 BPSK	135	158	22.05	22.87	22.80	22.38	22.85	22.19	25.67	25.58	27.0
100	PI2 BPSK	270	5	22.01	22.80	22.82	22.43	22.77	22.78	25.33	25.80	25.80
100	QPSK	1	1	22.40	22.04	21.02	22.70	22.05	22.01	22.02	25.08	25.06
100	QPSK	1	137	22.34	22.84	23.01	22.87	22.98	22.78	25.51	25.88	25.86
100	QPSK	1	271	22.04	22.82	22.89	22.54	22.52	22.64	25.40	25.85	25.78
100	QPSK	135	0	22.18	22.80	22.88	22.36	22.88	22.68	25.38	25.89	25.78
100	QPSK	135	49	22.12	22.86	22.84	22.44	22.55	22.67	25.27	25.80	27.0
100	QPSK	135	158	22.12	22.78	22.76	22.43	22.77	22.55	25.29	25.78	25.87
100	QPSK	270	0	22.27	22.03	22.85	22.53	22.59	22.81	25.50	25.84	27.0
100	16QAM	1	1	22.48	22.84	22.03	22.78	22.54	22.77	25.59	25.89	25.81
100	16QAM	1	1	22.52	22.88	22.96	22.84	22.58	25.49	25.52	25.85	27.0
100	256QAM	1	1	20.55	21.14	21.11	20.79	20.99	21.10	20.88	24.58	24.12

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000
Frequency [MHz]				2244.1	2242.4	2242	2244.1	2242.4	2242	2244.1	2242.4	2242
100	PI2 BPSK	1	1	25.43	25.97	25.50	25.72	25.94	25.55	28.08	28.57	28.88
100	PI2 BPSK	1	137	25.04	25.48	25.40	25.02	25.17	25.03	28.04	28.33	28.23
100	PI2 BPSK	1	271	25.01	25.43	25.40	25.03	25.18	25.03	28.03	28.32	28.23
100	PI2 BPSK	135	5	24.52	25.04	25.02	24.57	24.71	24.58	27.88	27.89	27.81
100	PI2 BPSK	135	86	25.00	25.22	25.18	25.07	25.11	25.07	28.05	28.18	28.14
100	PI2 BPSK	135	158	24.14	24.85	24.58	24.38	24.58	24.46	27.27	27.83	27.53
100	PI2 BPSK	270	5	24.25	25.00	25.08	24.38	24.82	24.48	27.33	27.82	27.80
100	QPSK	1	1	25.03	25.03	25.00	25.02	25.05	25.01	25.06	25.00	25.07
100	QPSK	1	137	25.08	25.91	25.46	25.87	25.53	25.40	28.21	28.33	28.44
100	QPSK	1	271	25.00	25.44	25.40	25.10	25.42	25.27	28.11	28.44	28.30
100	QPSK	135	0	24.09	24.81	24.37	24.37	24.57	24.44	27.24	27.80	27.52
100	QPSK	135	49	24.14	25.04	24.58	24.58	25.34	25.24	27.12	27.48	26.0
100	QPSK	135	158	24.01	24.35	24.29	24.00	24.20	24.10	27.08	27.29	27.21
100	QPSK	270	0	24.01	24.52	24.48	24.01	24.22	24.12	27.02	27.59	27.31
100	16QAM	1	1	25.05	25.58	25.51	25.02	25.54	25.42	28.00	28.38	28.48
100	16QAM	1	1	25.02	25.54	25.48	25.25	25.48	25.38	28.15	28.52	28.44
100	256QAM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.75	24.11	24.01



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)	
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052			
Frequency [MHz]				254.81	512.84	254.81	254.81	512.84	254.81	254.81	512.84	254.81	254.81		
100	PL2-BPSK	1	1	22.70	23.11	22.88	22.88	22.88	22.84	25.69	25.97	25.77			
100	PL2-BPSK	1	137	22.80	22.84	22.75	22.53	22.82	22.81	25.58	25.94	25.64	27.0	0.0	
100	PL2-BPSK	1	271	22.80	22.84	22.73	22.45	22.76	22.43	25.54	25.81	25.59			
100	PL2-BPSK	135	5	22.49	22.80	22.75	22.47	22.85	22.55	25.49	25.89	25.64	27.0	0.0	
100	PL2-BPSK	135	66	22.81	22.83	22.83	22.59	22.89	22.85	25.80	26.02	25.73	27.0	0.0	
100	PL2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	25.38	25.82	25.62		0.0	
100	PL2-BPSK	235	5	22.57	22.80	22.85	22.52	22.82	22.47	25.58	25.87	25.65			
100	QPSK	1	1	22.79	23.10	22.83	22.52	22.82	22.49	25.77	26.14	25.87			
100	QPSK	1	137	22.73	23.04	22.89	22.62	22.87	22.65	25.79	26.02	25.78	27.0	0.0	
100	QPSK	1	271	22.85	22.92	22.75	22.54	22.83	22.51	25.83	25.89	25.85			
100	QPSK	135	5	22.58	22.84	22.85	22.59	22.87	22.59	25.57	26.02	25.73	27.0	0.0	
100	QPSK	135	66	22.46	22.81	22.75	22.47	22.85	22.52	25.49	25.89	25.64	27.0	0.0	
100	QPSK	135	138	22.46	22.81	22.75	22.45	22.88	22.52	25.44	25.91	25.65	27.0	0.0	
100	QPSK	235	5	22.82	22.85	22.83	22.58	22.83	22.53	25.81	25.87	25.74	27.0	0.0	
100	SSB-AM	1	1	22.71	23.10	22.81	22.81	22.89	22.58	25.67	26.13	25.86	27.0	0.0	
100	SSB-AM	1	1	22.79	23.13	22.85	22.82	22.82	22.85	25.72	26.09	25.84	27.0	0.0	
100	SSB-AM	1	1	26.39	26.71	26.57	26.59	26.47	26.63	27.63	27.76	27.61	28.5	1.5	

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	FCC Power Hgh Ch. [Freq.]	Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)	
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052			
Frequency [MHz]				254.81	512.84	254.81	254.81	512.84	254.81	254.81	512.84	254.81	254.81		
100	PL2-BPSK	1	1	25.82	26.13	25.82	25.73	26.05	25.73	28.79	29.10	28.84			
100	PL2-BPSK	1	137	25.32	25.58	25.39	25.19	25.32	25.09	28.26	28.46	28.21	30.0	0.0	
100	PL2-BPSK	1	271	25.21	25.55	25.34	25.05	25.38	25.01	28.14	28.48	28.19			
100	PL2-BPSK	135	5	24.52	24.81	24.88	24.50	24.51	24.17	27.37	27.67	27.39	29.0	1.0	
100	PL2-BPSK	135	66	25.20	25.52	25.34	25.12	25.26	25.15	28.17	28.40	28.28	30.0	0.0	
100	PL2-BPSK	135	138	24.23	24.55	24.31	24.07	24.11	24.07	27.17	27.34	27.25	29.0	1.0	
100	PL2-BPSK	235	5	24.38	24.71	24.51	24.17	24.30	24.16	27.29	27.52	27.35			
100	QPSK	1	1	25.82	26.39	26.06	25.80	26.14	25.79	28.74	29.04	28.77			
100	QPSK	1	137	25.79	26.07	25.88	25.69	25.69	25.78	28.78	28.98	28.71	30.0	0.0	
100	QPSK	1	271	25.29	25.58	25.35	25.01	25.32	25.00	28.16	28.46	28.15			
100	QPSK	135	5	24.08	24.39	24.21	24.09	24.23	24.23	27.69	27.32	27.23	28.5	1.0	
100	QPSK	135	66	24.06	24.38	24.08	24.00	24.02	24.11	24.04	27.67	27.22	27.05	0.0	
100	QPSK	135	138	24.08	24.30	24.08	24.03	24.11	24.04	27.67	27.22	27.05	28.0	1.0	
100	QPSK	235	5	24.02	24.21	24.08	24.21	24.20	24.23	27.13	27.25	27.17	27.0	1.0	
100	SSB-AM	1	1	25.80	26.23	25.89	25.39	25.89	25.34	28.69	28.27	28.69	29.0	1.0	
100	SSB-AM	1	1	25.02	25.51	25.10	25.00	25.22	22.87	25.97	26.28	26.05	27.5	2.5	
100	SSB-AM	1	1	26.38	26.78	26.59	26.67	26.76	26.83	27.63	27.76	27.62	28.5	4.0	



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052
Frequency [MHz]				254.81	254.82	254.83	254.81	254.82	254.83	254.81	254.82	254.83
100	PQ2-BPSK	1	1	22.72	23.08	22.82	22.86	23.40	22.97	25.80	26.25	25.91
100	PQ2-BPSK	1	137	22.71	22.60	22.81	22.71	23.26	22.88	25.72	26.09	25.88
100	PQ2-BPSK	1	271	22.64	22.65	22.83	22.71	23.12	22.76	25.89	26.04	25.81
100	PQ2-BPSK	135	5	22.88	22.82	22.85	22.95	23.78	22.75	25.83	26.00	25.78
100	PQ2-BPSK	135	66	22.69	22.67	22.81	22.69	23.26	22.88	25.76	26.13	25.96
100	PQ2-BPSK	135	138	22.48	22.72	22.85	22.66	23.61	22.71	25.53	25.88	25.72
100	PQ2-BPSK	255	5	22.82	22.78	22.81	22.85	23.12	22.81	25.85	25.95	25.82
100	QPSK	1	1	22.67	23.19	22.62	22.67	23.46	22.62	25.52	26.02	25.52
100	QPSK	1	137	22.78	23.04	22.85	22.82	23.41	22.86	26.04	25.99	25.9
100	QPSK	1	271	22.75	23.02	22.83	22.75	23.26	22.82	25.74	26.14	25.84
100	QPSK	135	5	22.75	22.81	22.83	22.69	23.23	22.83	25.73	26.08	25.84
100	QPSK	135	66	22.65	22.65	22.77	22.64	23.21	22.64	26.18	25.85	25.8
100	QPSK	135	138	22.63	22.75	22.76	22.81	23.13	22.81	25.83	25.97	25.85
100	QPSK	255	5	22.75	22.68	22.82	22.73	23.17	22.82	25.75	26.04	25.81
100	SSB-AM	1	1	22.81	23.10	22.86	22.83	23.46	22.88	26.26	25.92	25.9
100	SSB-AM	1	1	22.72	23.04	22.88	22.82	23.38	22.95	25.78	26.22	25.92
100	SSB-AM	1	1	26.30	26.75	26.53	26.52	27.63	26.57	27.52	27.89	27.58

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1		
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mtxd Ch. Freq.	Power High Ch. Freq.
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052
Frequency [MHz]				254.81	254.82	254.83	254.81	254.82	254.83	254.81	254.82	254.83
100	PQ2-BPSK	1	1	25.82	26.15	25.89	25.89	26.37	25.91	28.85	29.25	28.91
100	PQ2-BPSK	1	137	25.38	25.65	25.42	25.08	25.60	25.15	28.25	28.64	28.30
100	PQ2-BPSK	1	271	25.30	25.58	25.40	25.04	25.53	25.08	28.18	28.57	28.25
100	PQ2-BPSK	135	5	24.48	24.75	24.53	24.04	24.62	24.33	27.41	27.80	27.44
100	PQ2-BPSK	135	66	25.19	25.45	25.25	25.00	25.52	25.07	28.11	28.50	28.17
100	PQ2-BPSK	135	138	24.30	24.58	24.40	23.91	24.52	24.03	27.69	28.09	27.74
100	PQ2-BPSK	255	5	24.34	24.61	24.43	24.25	24.77	24.28	27.31	27.70	27.36
100	QPSK	1	1	25.52	26.11	25.55	25.52	26.41	25.57	28.52	28.92	28.52
100	QPSK	1	137	25.36	25.66	25.48	25.00	25.61	25.13	28.45	28.86	28.52
100	QPSK	1	271	25.28	25.52	25.29	25.01	25.50	25.47	28.35	28.74	28.30
100	QPSK	135	5	24.03	24.29	24.05	24.02	24.44	24.00	27.64	27.38	27.54
100	QPSK	135	66	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57
100	QPSK	255	5	24.02	24.25	24.08	24.03	24.55	24.07	27.65	27.45	27.59
100	SSB-AM	1	1	24.91	25.22	24.97	25.09	25.52	25.06	27.97	28.58	28.09
100	SSB-AM	1	1	22.86	23.21	22.98	23.07	23.55	23.09	26.05	26.39	26.05
100	SSB-AM	1	1	26.30	26.77	26.54	26.58	27.08	26.84	27.55	27.94	27.60



Reduced Power Mode for DS10 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dB)	MPR (dB)
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000	23.0	0.0
Frequency [MHz]				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	18.85	19.08	18.98	18.51	18.64	18.45	21.69	21.88	21.73		
40	P12 BPSK	1	108	18.97	18.98	18.94	18.45	18.56	18.44	21.73	21.79	21.71		
40	P12 BPSK	1	214	18.88	18.96	18.93	18.42	18.61	18.51	21.67	21.80	21.74		
40	P12 BPSK	108	0	18.94	19.08	19.00	18.40	18.53	18.51	21.69	21.82	21.72	23.0	0.0
40	P12 BPSK	108	54	18.95	19.06	19.03	18.49	18.59	18.52	21.74	21.84	21.79	23.0	0.0
40	P12 BPSK	108	108	18.97	18.99	18.97	18.46	18.62	18.54	21.73	21.82	21.77	23.0	0.0
40	P12 BPSK	216	0	18.91	19.07	19.00	18.48	18.54	18.48	21.71	21.82	21.76		
40	QPSK	1	1	19.00	19.09	19.05	19.55	19.65	19.50	21.79	21.89	21.82		
40	QPSK	1	108	18.86	19.03	18.99	18.44	18.53	18.53	21.67	21.80	21.75	23.0	0.0
40	QPSK	1	214	18.86	19.00	19.00	18.47	18.54	18.41	21.68	21.79	21.73		
40	QPSK	108	0	18.90	18.99	18.93	18.43	18.62	18.47	21.68	21.82	21.72	23.0	0.0
40	QPSK	108	54	18.95	19.00	18.99	18.50	18.63	18.54	21.74	21.83	21.78	23.0	0.0
40	QPSK	108	108	18.86	18.96	18.93	18.45	18.61	18.53	21.87	21.80	21.74	23.0	0.0
40	QPSK	216	0	18.90	18.98	18.92	18.49	18.57	18.44	21.71	21.75	21.70		
40	16QAM	1	1	18.99	19.04	19.02	18.46	18.53	18.45	21.74	21.80	21.75	23.0	0.0
40	64QAM	1	1	18.95	19.03	19.03	18.50	18.58	18.46	21.74	21.82	21.76	23.0	0.0
40	256QAM	1	1	17.80	17.70	17.61	17.59	17.66	17.58	20.61	20.69	20.61	22.5	0.5

n2				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dB)	MPR (dB)
Channel				374000	376000	378000	376000	378000	374000	374000	376000	378000		
Frequency (MHz)				1870	1880	1890	1870	1880	1870	1880	1890			
40	P12 BPSK	1	1	19.46	19.50	19.56	19.25	19.34	19.36	22.37	22.43	22.47	23.5	0.0
40	P12 BPSK	1	108	19.49	19.61	19.53	19.23	19.33	19.37	22.37	22.48	22.46		
40	P12 BPSK	1	214	19.42	19.51	19.52	19.32	19.42	19.30	22.38	22.48	22.42		
40	P12 BPSK	108	0	19.42	19.55	19.57	19.35	19.37	19.26	22.40	22.47	22.43	23.5	0.0
40	P12 BPSK	108	54	19.47	19.58	19.49	19.25	19.34	19.31	22.37	22.47	22.41	23.5	0.0
40	P12 BPSK	108	108	19.47	19.56	19.44	19.35	19.33	19.32	22.42	22.46	22.39	23.5	0.0
40	P12 BPSK	216	0	19.44	19.55	19.51	19.26	19.36	19.35	22.36	22.47	22.44	23.5	0.0
40	QPSK	1	1	19.50	19.64	19.59	19.37	19.45	19.40	22.47	22.56	22.51		
40	QPSK	1	108	19.46	19.60	19.51	19.26	19.38	19.38	22.37	22.50	22.46	23.5	0.0
40	QPSK	1	214	19.43	19.57	19.57	19.36	19.38	19.31	22.41	22.49	22.45		
40	QPSK	108	0	19.42	19.57	19.49	19.29	19.42	19.32	22.37	22.51	22.42		
40	QPSK	108	54	19.52	19.60	19.58	19.32	19.43	19.38	22.43	22.53	22.49	23.5	0.0
40	QPSK	108	108	19.42	19.50	19.57	19.25	19.38	19.35	22.38	22.48	22.47		
40	QPSK	216	0	19.42	19.49	19.47	19.31	19.37	19.26	22.38	22.44	22.38		
40	16QAM	1	1	19.44	19.54	19.52	19.28	19.30	19.29	22.37	22.43	22.42	23.5	0.0
40	64QAM	1	1	19.44	19.52	19.55	19.33	19.40	19.37	22.40	22.47	22.47	23.5	0.0
40	256QAM	1	1	17.80	17.70	17.61	17.82	17.67	17.96	20.72	20.85	20.80	22.5	1.0



n2				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	21.70	21.93	21.78	21.59	21.47	21.48	24.66	24.72	24.64		
40	P12 BPSK	1	108	21.83	21.86	21.86	21.50	21.59	21.47	24.68	24.74	24.68	26.0	0.0
40	P12 BPSK	1	214	21.77	21.85	21.79	21.57	21.53	21.49	24.68	24.70	24.69		
40	P12 BPSK	108	0	21.61	21.62	21.56	21.46	21.57	21.44	24.55	24.61	24.51	26.0	0.0
40	P12 BPSK	108	54	21.75	21.83	21.87	21.46	21.57	21.53	24.62	24.71	24.71	26.0	0.0
40	P12 BPSK	108	108	21.56	21.70	21.64	21.47	21.48	21.52	24.53	24.60	24.59		0.0
40	P12 BPSK	216	0	21.59	21.66	21.53	21.55	21.51	21.44	24.58	24.60	24.50		
40	QPSK	1	1	21.86	21.86	21.81	21.60	21.62	21.57	24.74	24.80	24.75		
40	QPSK	1	108	21.84	21.86	21.77	21.47	21.56	21.45	24.67	24.72	24.64	26.0	0.0
40	QPSK	1	214	21.70	21.93	21.88	21.48	21.58	21.44	24.60	24.77	24.68		
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.39	24.44	24.36	25.5	0.5
40	QPSK	108	54	21.75	21.80	21.77	21.51	21.60	21.46	24.60	24.71	24.63	26.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.16	21.00	24.39	24.44	24.36		0.5
40	QPSK	216	0	21.62	21.65	21.53	21.17	21.20	21.16	24.41	24.44	24.36		
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.16	21.05	24.40	24.53	24.41	25.5	0.5
40	64QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94	24.5	1.5
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	3.5

n2				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	22.78	22.86	22.79	22.56	22.70	22.57	25.68	25.79	25.69		
40	P12 BPSK	1	108	22.66	22.75	22.80	22.54	22.63	22.57	25.61	25.70	25.60	27.0	0.0
40	P12 BPSK	1	214	22.68	22.86	22.68	22.63	22.66	22.64	25.67	25.74	25.67		
40	P12 BPSK	108	0	21.61	21.62	21.56	21.68	21.80	21.73	24.66	24.72	24.66	26.0	1.0
40	P12 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0
40	P12 BPSK	108	108	21.56	21.70	21.64	21.65	21.78	21.76	24.62	24.75	24.71	26.0	1.0
40	P12 BPSK	216	0	21.59	21.66	21.53	21.60	21.75	21.73	24.61	24.72	24.64		
40	QPSK	1	1	22.84	22.86	22.85	22.68	22.75	22.71	25.77	25.84	25.84		
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.69	22.62	25.71	25.78	25.68	27.0	0.0
40	QPSK	1	214	22.70	22.80	22.78	22.60	22.65	22.53	25.66	25.74	25.67		
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.36	24.50	24.53	24.50	25.5	1.5
40	QPSK	108	54	22.81	22.85	22.70	22.57	22.71	22.69	25.70	25.79	25.71	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.37	21.46	21.32	24.51	24.59	24.50		1.5
40	QPSK	216	0	21.62	21.65	21.53	21.32	21.40	21.31	24.48	24.54	24.43		
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.66	24.77	24.67	25.5	1.5
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.16	20.07	23.23	23.29	23.20	24.5	2.5
40	256QAM	1	1	17.97	18.00	17.91	17.62	17.77	17.76	20.61	20.60	20.65	22.5	4.5



n25				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				344500	345500	346500	344500	345500	346500	344500	345500	346500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	19.13	19.19	19.05	18.85	18.89	18.81	22.00	22.05	21.94	23.0	0.0
40	PI2 BPSK	1	108	19.10	19.16	19.14	18.92	18.82	18.82	22.02	22.00	21.99		
40	PI2 BPSK	1	214	19.15	19.09	19.18	18.84	18.94	18.81	22.01	22.03	22.00		
40	PI2 BPSK	108	0	19.04	19.05	19.16	18.84	19.21	18.80	21.95	21.94	21.99	23.0	0.0
40	PI2 BPSK	108	54	19.13	19.17	19.07	18.79	18.89	18.81	21.97	22.04	21.95	23.0	0.0
40	PI2 BPSK	108	108	19.08	19.16	19.10	18.79	18.86	18.78	21.95	22.03	21.95	23.0	0.0
40	PI2 BPSK	216	0	19.09	19.17	19.12	18.86	18.83	18.73	21.99	22.01	21.94	23.0	0.0
40	QPSK	1	1	19.10	19.20	19.17	18.95	18.96	18.85	22.08	22.09	22.01	23.0	0.0
40	QPSK	1	108	19.08	19.07	19.02	18.75	19.20	18.75	21.95	22.02	21.92		
40	QPSK	1	214	19.08	19.08	19.15	18.80	18.91	18.79	21.95	22.01	21.98		
40	QPSK	108	0	19.12	19.09	19.14	18.78	18.82	18.82	21.96	21.97	21.99	23.0	0.0
40	QPSK	108	54	19.13	19.18	19.16	18.86	18.90	18.84	22.01	22.05	22.01	23.0	0.0
40	QPSK	108	108	19.10	19.16	19.15	18.82	18.86	18.82	21.97	22.02	22.00	23.0	0.0
40	QPSK	216	0	19.15	19.17	19.08	18.85	19.20	18.73	22.01	22.04	21.92	23.0	0.0
40	16QAM	1	1	19.04	19.12	19.12	18.90	18.87	18.68	21.98	22.01	21.92	23.0	0.0
40	64QAM	1	1	19.01	19.11	19.03	18.78	18.93	18.74	21.91	22.03	21.90	23.0	0.0
40	256QAM	1	1	17.89	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64	22.5	0.5

n25				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				344500	345500	346500	344500	345500	346500	344500	345500	346500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	19.08	19.66	19.57	19.84	19.96	20.03	22.72	22.82	22.82	23.5	0.0
40	PI2 BPSK	1	108	19.59	19.74	19.49	19.92	20.03	20.01	22.77	22.90	22.77		
40	PI2 BPSK	1	214	19.64	19.72	19.51	19.82	20.06	19.92	22.74	22.90	22.73		
40	PI2 BPSK	108	0	19.51	19.71	19.57	19.86	19.98	20.02	22.70	22.86	22.81	23.5	0.0
40	PI2 BPSK	108	54	19.61	19.62	19.60	19.85	20.04	19.99	22.74	22.85	22.81	23.5	0.0
40	PI2 BPSK	108	108	19.63	19.69	19.57	19.84	20.10	19.96	22.75	22.91	22.78	23.5	0.0
40	PI2 BPSK	216	0	19.53	19.63	19.59	19.95	20.06	19.94	22.76	22.86	22.78	23.5	0.0
40	QPSK	1	1	19.05	19.75	19.64	19.87	20.11	20.03	22.83	22.94	22.86		
40	QPSK	1	108	19.56	19.68	19.50	19.85	19.97	19.94	22.74	22.84	22.74		
40	QPSK	1	214	19.51	19.72	19.52	19.86	20.04	19.97	22.75	22.89	22.76	23.5	0.0
40	QPSK	108	0	19.56	19.60	19.55	19.86	20.03	19.91	22.72	22.84	22.74	23.5	0.0
40	QPSK	108	54	19.63	19.72	19.62	19.93	20.10	20.04	22.79	22.92	22.85	23.5	0.0
40	QPSK	108	108	19.61	19.69	19.58	19.85	20.09	20.01	22.74	22.86	22.81	23.5	0.0
40	QPSK	216	0	19.62	19.70	19.60	19.85	20.02	19.90	22.75	22.87	22.76	23.5	0.0
40	16QAM	1	1	19.51	19.72	19.50	19.85	19.99	19.99	22.69	22.87	22.76		
40	64QAM	1	1	19.58	19.61	19.55	19.91	20.10	19.97	22.76	22.87	22.78		
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	1.0



n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MRR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				344500	345500	346500	344500	345500	346500	344500	345500	346500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	22.46	22.56	22.48	21.79	22.00	21.81	25.15	25.30	25.17	26.0	0.0
40	PI2 BPSK	1	108	22.53	22.53	22.58	21.82	22.05	21.86	25.20	25.31	25.25		
40	PI2 BPSK	1	214	22.46	22.60	22.46	21.88	21.90	21.84	25.19	25.30	25.17		
40	PI2 BPSK	108	0	21.99	22.38	22.33	21.63	21.67	21.62	24.82	25.05	25.00	26.0	0.0
40	PI2 BPSK	108	54	22.52	22.55	22.52	21.86	22.00	21.85	25.21	25.29	25.21	26.0	0.0
40	PI2 BPSK	108	108	22.07	22.45	22.42	21.60	21.79	21.71	24.85	25.12	25.09	26.0	0.0
40	PI2 BPSK	216	0	22.00	22.40	22.33	21.61	21.70	21.63	24.82	25.07	25.00	26.0	0.0
40	QPSK	1	1	22.50	22.60	22.50	21.94	22.00	21.90	25.07	25.30	25.18		
40	QPSK	1	108	22.52	22.60	22.56	21.90	22.01	21.82	25.23	25.33	25.22		
40	QPSK	1	214	22.45	22.51	22.50	21.90	22.02	21.79	25.19	25.28	25.17	25.5	0.5
40	QPSK	108	0	21.17	21.55	21.47	21.09	21.17	21.14	24.14	24.37	24.32		
40	QPSK	108	54	22.45	22.60	22.45	21.75	21.96	21.83	25.10	25.30	25.19		
40	QPSK	108	108	21.94	21.72	21.68	21.09	21.13	21.09	24.23	24.45	24.41	25.5	0.5
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34	25.5	1.5
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64		
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18		
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	3.5

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MRR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				344500	345500	346500	344500	345500	346500	344500	345500	346500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	23.06	23.10	23.02	22.95	23.04	22.91	26.02	26.08	25.98	27.0	0.0
40	PI2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.65	25.88	25.95	25.86		
40	PI2 BPSK	1	214	23.01	23.02	22.97	22.65	22.76	22.66	25.84	25.90	25.83		
40	PI2 BPSK	108	0	22.51	22.60	22.59	22.02	22.12	22.01	25.29	25.38	25.32	26.0	1.0
40	PI2 BPSK	108	54	23.10	23.11	23.04	22.53	22.64	22.52	25.83	25.89	25.80	27.0	0.0
40	PI2 BPSK	108	108	22.44	22.63	22.38	22.11	22.17	22.03	25.29	25.36	25.22	26.0	1.0
40	PI2 BPSK	216	0	22.53	22.55	22.41	22.07	22.18	22.03	25.32	25.38	25.23	27.0	0.0
40	QPSK	1	1	23.10	23.05	23.07	22.59	23.08	22.58	26.10	26.15	26.04		
40	QPSK	1	108	23.03	23.14	23.01	22.81	22.92	22.77	25.53	26.04	25.90		
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95	25.5	1.5
40	QPSK	108	0	21.99	22.08	22.00	21.35	21.43	21.28	24.49	24.76	24.67		
40	QPSK	108	54	22.96	23.10	23.03	22.77	22.87	22.77	25.88	26.00	25.91		
40	QPSK	108	108	21.96	22.05	21.96	21.49	21.55	21.43	24.73	24.82	24.76	26.5	1.5
40	QPSK	216	0	21.69	21.80	21.75	21.35	21.45	21.31	24.54	24.64	24.55	25.5	1.5
40	16QAM	1	1	22.08	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01		
40	64QAM	1	1	20.96	20.98	20.47	20.41	20.51	20.37	23.50	23.56	23.43		
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	4.5



n66				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dBm)	MPR (db)
Channel				346500	346500	352000	346500	346900	352000	346600	346900	352000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	P12 BPSK	1	1	22.22	22.21	22.21	21.95	21.95	21.99	25.10	25.09	25.11	26.0	0.0
40	P12 BPSK	1	108	22.22	22.26	22.23	21.92	22.06	21.97	25.08	25.17	25.11		
40	P12 BPSK	1	214	22.10	22.21	22.18	21.93	22.02	21.95	25.03	25.13	25.08	26.0	0.0
40	P12 BPSK	108	0	22.21	22.16	22.27	21.62	21.70	21.62	24.94	24.96	24.97		
40	P12 BPSK	108	54	22.15	22.30	22.19	22.02	21.99	21.97	25.10	25.16	25.09	26.0	0.0
40	P12 BPSK	108	108	22.13	22.23	22.27	21.58	21.65	21.90	24.87	24.96	24.91		
40	P12 BPSK	216	0	22.21	22.25	22.20	21.55	21.69	21.61	24.90	24.99	24.93	26.0	0.0
40	QPSK	1	1	22.26	22.21	22.26	22.04	22.08	22.06	25.15	25.07	25.13		
40	QPSK	1	108	22.12	22.16	22.16	22.00	21.98	21.96	25.07	25.08	25.09	26.0	0.0
40	QPSK	1	214	22.15	22.25	22.14	21.99	22.03	21.98	25.08	25.15	25.07		
40	QPSK	108	0	21.59	21.66	21.51	21.13	21.16	21.01	24.38	24.43	24.28	25.5	0.5
40	QPSK	108	54	22.11	22.21	22.14	21.95	22.07	21.95	25.00	25.15	25.08		
40	QPSK	108	108	21.50	21.65	21.63	21.07	21.12	21.06	24.30	24.40	24.36	25.5	0.5
40	QPSK	216	0	21.55	21.60	21.49	21.07	21.15	21.00	24.33	24.39	24.25		
40	16QAM	1	1	21.68	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46	24.5	0.5
40	64QAM	1	1	20.17	20.22	20.16	19.83	19.88	19.87	23.01	23.06	23.04		
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	3.5

n66				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)
Channel				346500	346500	352000	346600	346500	352000	346600	346500	352000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	P12 BPSK	1	1	20.75	20.81	20.75	21.14	21.22	21.14	23.96	24.03	23.96	24.5	0.0
40	P12 BPSK	1	108	20.73	20.80	20.76	21.05	21.25	21.21	23.90	24.04	24.01		
40	P12 BPSK	1	214	20.70	20.86	20.80	21.14	21.13	21.19	23.94	24.01	24.01	24.5	0.0
40	P12 BPSK	108	0	20.80	20.82	20.80	21.05	21.19	21.10	23.94	24.02	23.96		
40	P12 BPSK	108	54	20.74	20.76	20.81	21.06	21.22	21.09	23.91	24.01	23.96	24.5	0.0
40	P12 BPSK	108	108	20.69	20.82	20.75	21.14	21.17	21.13	23.93	24.01	23.95		
40	P12 BPSK	216	0	20.81	20.74	20.82	21.13	21.23	21.08	23.98	24.00	23.96	24.5	0.0
40	QPSK	1	1	20.83	20.80	20.85	21.10	21.28	21.22	24.00	24.10	24.05		
40	QPSK	1	108	20.73	20.77	20.80	21.13	21.15	21.10	23.94	23.97	23.96	24.5	0.0
40	QPSK	1	214	20.79	20.80	20.75	21.07	21.26	21.09	23.94	24.05	23.93		
40	QPSK	108	0	20.69	20.83	20.83	21.10	21.24	21.12	23.91	24.05	23.99	24.5	0.0
40	QPSK	108	54	20.77	20.88	20.85	21.13	21.28	21.20	23.95	24.08	24.04		
40	QPSK	108	108	20.76	20.85	20.80	21.07	21.25	21.09	23.93	24.06	23.98	24.5	0.0
40	QPSK	216	0	20.78	20.76	20.72	21.00	21.26	21.08	23.89	24.03	23.91		
40	16QAM	1	1	20.76	20.76	20.72	21.00	21.26	21.08	23.89	24.03	23.91	24.5	0.0
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40		
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	2.0



n66				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				346000	346000	346200	346000	346000	346200	346000	346000	346200			
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PI2 BPSK	1	1	23.38	23.48	23.39	22.81	22.96	22.81	26.11	26.24	26.12	27.0	0.0	
40	PI2 BPSK	1	108	23.34	23.45	23.38	22.80	22.90	22.80	26.09	26.19	26.11			
40	PI2 BPSK	1	214	23.30	23.40	23.36	22.90	22.94	22.84	26.11	26.19	26.11			
40	PI2 BPSK	108	0	22.68	22.69	22.67	21.62	21.70	21.62	26.19	26.23	26.19	26.0	1.0	
40	PI2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0	
40	PI2 BPSK	108	108	22.60	22.65	22.57	21.68	21.69	21.90	25.13	25.19	25.08	28.0	1.0	
40	PI2 BPSK	216	0	22.69	22.70	22.57	21.55	21.69	21.61	25.17	25.23	25.13			
40	QPSK	1	1	20.46	20.50	20.43	22.96	23.00	22.96	26.22	26.27	26.22			
40	QPSK	1	108	23.37	23.44	23.38	22.75	22.90	22.81	26.08	26.19	26.12	27.0	0.0	
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.06	25.5	1.5	
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54			
40	QPSK	108	54	23.34	23.45	23.38	22.80	22.89	22.84	26.09	26.19	26.13			
40	QPSK	108	108	22.80	22.16	22.82	21.07	21.12	21.06	24.97	24.68	24.98	25.5	1.5	
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.15	21.00	24.64	24.72	24.59	25.5	1.5	
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76			
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	2.5	
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	4.5	

n66				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				346000	346000	346200	346000	346000	346200	346000	346000	346200			
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PI2 BPSK	1	1	20.46	20.60	20.37	20.30	20.41	20.32	23.39	23.52	23.36	24.0	0.0	
40	PI2 BPSK	1	108	20.47	20.57	20.41	20.29	20.42	20.30	23.39	23.51	23.37			
40	PI2 BPSK	1	214	20.42	20.60	20.46	20.27	20.41	20.35	23.36	23.52	23.42			
40	PI2 BPSK	108	0	20.44	20.52	20.45	20.34	20.43	20.38	23.40	23.49	23.43	24.0	0.0	
40	PI2 BPSK	108	54	20.49	20.51	20.44	20.27	20.43	20.38	23.39	23.48	23.37	24.0	0.0	
40	PI2 BPSK	108	108	20.90	20.97	20.37	20.32	20.30	20.27	23.42	23.45	23.33	24.0	0.0	
40	PI2 BPSK	216	0	20.49	20.56	20.40	20.38	20.30	20.39	23.45	23.44	23.41			
40	QPSK	1	1	20.97	20.66	20.70	20.42	20.46	20.41	23.51	23.58	23.48			
40	QPSK	1	108	20.43	20.57	20.45	20.27	20.44	20.37	23.36	23.52	23.42	24.0	0.0	
40	QPSK	1	214	20.52	20.53	20.39	20.31	20.43	20.33	23.43	23.49	23.37	24.0	0.0	
40	QPSK	108	0	20.43	20.90	20.43	20.34	20.38	20.31	23.40	23.45	23.38			
40	QPSK	108	54	20.56	20.57	20.46	20.41	20.42	20.35	23.50	23.51	23.43			
40	QPSK	108	108	20.56	20.50	20.40	20.36	20.36	20.32	23.46	23.45	23.37	24.0	0.0	
40	QPSK	216	0	20.52	20.56	20.40	20.37	20.40	20.29	23.45	23.45	23.36	24.0	0.0	
40	16QAM	1	1	20.56	20.58	20.49	20.30	20.33	20.38	23.44	23.47	23.45	24.0	0.0	
40	64QAM	1	1	20.47	20.61	20.45	20.31	20.42	20.29	23.40	23.53	23.38	24.0	0.0	
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	1.5	



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	Turn-up limit (dBm)	MPE (dB)
Channel														
Frequency [MHz]				2145.81	2162.54	2174	2145.81	2162.54	2174	2145.81	2162.54	2174		
100	PI2 BPSK	1	1	21.84	21.91	21.85	21.27	21.52	21.34	24.47	24.73	24.61		
100	PI2 BPSK	1	137	21.86	21.89	21.88	21.35	21.59	21.33	24.52	24.75	24.62	25.5	0.0
100	PI2 BPSK	1	271	21.86	21.89	21.81	21.27	21.46	21.27	24.48	24.74	24.58		
100	PI2 BPSK	135	5	21.89	21.90	21.89	21.38	21.34	21.37	24.53	24.75	24.84	26.5	0.0
100	PI2 BPSK	135	89	21.89	21.91	21.84	21.35	21.45	21.35	24.49	24.70	24.62	25.5	0.0
100	PI2 BPSK	135	158	21.86	21.85	21.77	21.29	21.47	21.28	24.50	24.67	24.54	25.5	0.0
100	PI2 BPSK	270	5	21.83	21.98	21.79	21.34	21.36	21.35	24.50	24.77	24.57		
100	QPSK	1	1	21.89	22.00	21.90	21.30	21.69	21.42	24.55	24.81	24.65		
100	QPSK	1	137	21.82	21.85	21.88	21.39	21.46	21.39	24.48	24.67	24.63	25.5	0.0
100	QPSK	1	271	21.87	21.83	21.79	21.33	21.45	21.32	24.51	24.71	24.57		
100	QPSK	135	0	21.83	21.85	21.88	21.31	21.31	21.33	24.48	24.69	24.62	25.0	0.0
100	QPSK	135	49	21.85	21.98	21.84	21.35	21.35	21.35	24.49	24.72	24.58	25.5	0.0
100	QPSK	135	158	21.85	21.95	21.79	21.28	21.56	21.38	24.43	24.77	24.58	25.5	0.0
100	QPSK	270	0	21.87	21.85	21.79	21.28	21.53	21.37	24.43	24.75	24.59	25.5	0.0
100	15QAM	1	1	21.88	21.98	21.88	21.36	21.37	24.47	24.70	24.57	25.5	0.0	
100	44QAM	1	1	21.83	21.98	21.75	21.30	21.46	21.35	24.48	24.73	24.58	25.5	0.0
100	256QAM	1	1	20.94	21.19	21.25	20.84	20.88	20.85	23.80	24.60	23.97	25.0	0.0

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Line Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	FCC Power Line Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	FCC Power Line Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	Turn-up limit (dBm)	MPE (dB)
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency [MHz]				2145.81	2162.54	2174	2145.81	2162.54	2174	2145.81	2162.54	2174		
100	PI2 BPSK	1	1	24.59	24.79	24.74	24.51	24.63	24.31	27.06	27.72	27.54		
100	PI2 BPSK	1	137	24.68	24.73	24.67	24.40	24.59	24.27	27.05	27.67	27.48	28.5	0.0
100	PI2 BPSK	1	271	24.58	24.80	24.74	24.42	24.58	24.35	27.51	27.65	27.58		
100	PI2 BPSK	135	5	24.59	24.84	24.78	24.50	24.52	24.27	27.42	27.69	27.59	28.5	0.0
100	PI2 BPSK	135	89	24.68	24.78	24.78	24.54	24.59	24.27	27.61	27.70	27.54	28.5	0.0
100	PI2 BPSK	135	158	24.52	24.73	24.71	24.25	24.51	24.35	27.49	27.63	27.53	28.5	0.0
100	PI2 BPSK	270	5	24.59	24.78	24.71	24.50	24.57	24.35	27.43	27.69	27.58	28.5	0.0
100	QPSK	1	1	24.63	24.80	24.82	24.50	24.55	24.41	27.63	27.79	27.65		
100	QPSK	1	137	24.58	24.77	24.79	24.46	24.68	24.36	27.49	27.74	27.59	28.5	0.0
100	QPSK	1	271	24.65	24.81	24.75	24.49	24.62	24.28	27.56	27.75	27.62		
100	QPSK	135	0	24.51	24.69	24.69	24.50	24.52	24.34	27.18	27.52	27.41	28.5	0.0
100	QPSK	135	49	24.57	24.80	24.77	24.50	24.57	24.31	27.46	27.72	27.57	28.5	0.0
100	QPSK	135	158	24.07	24.48	24.40	24.03	24.28	24.11	27.06	27.38	27.27	28.5	0.0
100	QPSK	270	0	24.25	24.64	24.66	24.54	24.50	24.03	27.18	27.44	27.33	28.5	0.0
100	16QAM	1	1	24.68	24.78	24.80	24.50	24.60	24.34	27.69	27.76	27.69	28.5	0.0
100	44QAM	1	1	23.35	23.73	23.71	23.15	23.48	23.33	26.27	26.61	26.53	27.5	1.0
100	256QAM	1	1	20.95	21.34	21.32	20.85	20.86	20.80	23.83	24.57	24.48	25.5	3.0



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518508	528000	505052	518508	528000	505052	518508	528000		
Frequency [MHz]				24.61	24.62	24.64	24.61	24.62	24.64	24.61	24.62	24.64		
100	PL2-BPSK	1	1	21.58	21.64	21.91	21.73	21.83	21.96	24.87	24.95	24.95		
100	PL2-BPSK	1	137	21.87	22.00	22.03	21.79	22.00	21.99	24.74	25.01	25.02	26.0	0.0
100	PL2-BPSK	1	271	21.57	21.66	21.87	21.77	21.86	21.85	24.88	24.97	24.92		
100	PL2-BPSK	135	5	21.81	21.88	21.98	21.80	22.00	21.89	24.74	25.01	24.95	26.0	0.0
100	PL2-BPSK	135	66	21.80	22.07	21.96	21.81	21.98	21.85	24.72	25.04	24.89	26.0	0.0
100	PL2-BPSK	135	138	21.66	22.03	22.01	21.75	22.01	21.85	24.71	25.03	24.94	26.0	0.0
100	PL2-BPSK	255	5	21.85	21.97	21.91	21.76	22.03	21.85	24.72	25.01	24.89		
100	QPSK	1	1	21.70	22.09	22.05	21.89	22.04	22.00	24.80	25.07	25.00		
100	QPSK	1	137	21.81	21.89	21.84	21.84	21.89	21.86	24.74	24.99	24.99	26.0	0.0
100	QPSK	1	271	21.89	22.01	21.95	21.77	21.91	21.82	24.74	24.97	24.92		
100	QPSK	135	5	21.85	21.87	21.96	21.82	21.82	21.90	24.75	24.98	24.94	26.0	0.0
100	QPSK	135	66	21.85	22.07	22.00	21.79	22.01	21.85	24.74	25.05	24.98	26.0	0.0
100	QPSK	135	138	21.81	22.08	22.00	21.75	22.00	21.85	24.71	25.04	24.98	26.0	0.0
100	QPSK	255	5	21.87	21.94	21.92	21.78	21.93	21.85	24.74	24.98	24.95	26.0	0.0
100	SSB-AM	1	1	21.59	21.60	21.86	21.82	22.00	21.87	24.74	24.96	24.95	26.0	0.0
100	SSB-AM	1	1	21.57	22.05	21.95	21.77	21.95	21.89	24.88	25.01	24.93	26.0	0.0
100	SSB-AM	1	1	26.35	24.14	21.11	20.39	20.88	21.09	23.78	24.08	24.45	25.5	0.5

FCC_n41(PC1.5)				Ant 2		Ant 1		Ant 2+1						
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power Low Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)	
Channel				505052	518508	528000	505052	518508	528000	505052	518508	528000		
Frequency [MHz]				24.61	24.62	24.64	24.61	24.62	24.64	24.61	24.62	24.64		
100	PL2-BPSK	1	1	24.69	24.98	24.84	24.79	25.02	24.87	27.75	25.01	27.87		
100	PL2-BPSK	1	137	24.86	24.97	24.82	24.85	25.03	24.95	27.77	28.01	27.80	29.0	0.0
100	PL2-BPSK	1	271	24.88	24.96	24.83	24.75	24.93	24.89	27.73	27.97	27.87		
100	PL2-BPSK	135	5	24.85	24.91	24.78	24.97	24.71	24.96	27.82	27.82	27.88	29.0	0.0
100	PL2-BPSK	135	66	24.77	24.90	24.75	24.82	24.97	24.87	27.81	27.85	27.82	29.0	0.0
100	PL2-BPSK	135	138	24.14	24.85	24.58	24.38	24.88	24.48	27.27	27.83	27.83	29.0	0.0
100	PL2-BPSK	255	5	24.76	24.84	24.77	24.38	24.82	24.48	27.88	27.79	27.84		
100	QPSK	1	1	24.80	25.00	24.80	24.80	25.00	24.97	27.80	28.04	27.80		
100	QPSK	1	137	24.78	24.81	24.81	24.82	24.89	24.86	27.80	27.83	27.81	29.0	0.0
100	QPSK	1	271	24.75	24.86	24.80	24.82	25.00	24.84	27.80	28.00	27.85		
100	QPSK	135	5	24.80	24.91	24.87	24.87	24.87	24.84	27.24	27.80	27.52	28.5	0.5
100	QPSK	135	66	24.80	24.88	24.84	24.97	24.81	24.88	27.80	27.80	27.80	28.5	0.5
100	QPSK	135	138	24.01	24.35	24.20	24.09	24.20	24.10	27.08	27.29	27.21	28.0	0.0
100	QPSK	255	5	24.81	24.82	24.48	24.81	24.23	24.12	27.82	27.80	27.51	27.5	0.5
100	SSB-AM	1	1	24.65	24.89	24.87	24.71	25.03	24.86	27.72	28.02	27.89	29.0	0.0
100	SSB-AM	1	1	23.02	23.54	23.48	23.25	23.48	23.38	26.15	26.52	26.44	27.5	1.5
100	SSB-AM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	20.70	24.11	24.01	23.5	3.5



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency (MHz)				254.81	512.84	254.81	254.81	254.81	254.81	254.81	254.81	254.81	254.81	
100	PQ2-BPSK	1	1	22.70	23.11	22.88	22.88	22.88	22.84	25.69	25.97	25.77		0.0
100	PQ2-BPSK	1	137	22.80	22.84	22.75	22.53	22.92	22.91	25.58	25.94	25.64	27.0	
100	PQ2-BPSK	1	271	22.80	22.84	22.73	22.45	22.79	22.43	25.54	25.81	25.99		
100	PQ2-BPSK	135	5	22.49	22.80	22.75	22.47	22.85	22.55	25.49	25.89	25.64	27.0	0.0
100	PQ2-BPSK	135	66	22.81	22.83	22.83	22.59	22.89	22.85	25.80	26.02	25.73	27.0	
100	PQ2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	25.38	25.82	25.82		0.0
100	PQ2-BPSK	255	5	22.57	22.80	22.85	22.52	22.82	22.47	25.58	25.97	25.85		
100	QPSK	1	1	22.79	23.10	22.83	22.52	22.82	22.49	25.77	26.14	25.87		
100	QPSK	1	137	22.73	23.04	22.89	22.62	22.87	22.65	25.79	26.02	25.78	27.0	0.0
100	QPSK	1	271	22.85	22.92	22.75	22.54	22.83	22.51	25.83	25.89	25.85		
100	QPSK	135	5	22.58	22.84	22.85	22.59	22.87	22.59	25.57	26.02	25.73	27.0	0.0
100	QPSK	135	66	22.46	22.81	22.75	22.47	22.85	22.52	25.49	25.89	25.64	27.0	0.0
100	QPSK	135	138	22.46	22.81	22.75	22.45	22.88	22.52	25.44	25.91	25.65	27.0	0.0
100	QPSK	255	5	22.92	22.85	22.83	22.58	22.83	22.53	25.81	25.97	25.74	27.0	0.0
100	SSB-AM	1	1	22.71	25.15	25.01	22.61	23.58	22.38	25.67	26.15	25.98	27.0	0.0
100	SSB-AM	1	1	22.79	25.13	25.05	22.62	23.52	22.65	25.72	26.09	25.94	27.0	0.0
100	SSB-AM	1	1	26.39	26.71	26.57	26.59	26.47	26.63	27.63	27.76	27.61	26.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq. 505052	Power Mdn Ch. Freq. 518058	FCC Power Hgh Ch. Freq. 528052	FCC Power Low Ch. Freq. 505052	Power Mdn Ch. Freq. 518058	Power Hgh Ch. Freq. 528052	FCC Power Low Ch. Freq. 505052	Power Mdn Ch. Freq. 518058	Power Hgh Ch. Freq. 528052	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency (MHz)				254.81	512.84	254.81	254.81	254.81	254.81	254.81	254.81	254.81		
100	PQ2-BPSK	1	1	25.82	26.13	25.92	25.73	26.05	25.73	28.79	29.10	28.84		
100	PQ2-BPSK	1	137	25.32	25.58	25.39	25.19	25.52	25.09	28.26	28.46	28.21	30.0	0.0
100	PQ2-BPSK	1	271	25.21	25.55	25.34	25.05	25.38	25.01	28.14	28.48	28.19		
100	PQ2-BPSK	135	5	24.52	24.81	24.88	24.50	24.81	24.17	27.37	27.67	27.39	29.0	1.0
100	PQ2-BPSK	135	66	25.22	25.52	25.34	25.12	25.26	25.15	28.17	28.40	28.28	30.0	0.0
100	PQ2-BPSK	135	138	24.23	24.55	24.31	24.07	24.11	24.07	27.17	27.34	27.25	29.0	1.0
100	PQ2-BPSK	255	5	24.38	24.71	24.51	24.17	24.50	24.16	27.29	27.52	27.35		
100	QPSK	1	1	25.82	26.39	26.06	25.80	26.14	25.79	28.64	29.17	28.90		
100	QPSK	1	137	25.79	26.07	25.88	25.70	26.02	25.70	28.78	28.98	28.71	30.0	0.0
100	QPSK	1	271	25.25	25.58	25.35	25.01	25.32	25.00	28.16	28.46	28.15		
100	QPSK	135	5	24.06	24.39	24.21	24.09	24.23	24.23	27.69	27.32	27.23	28.5	1.0
100	QPSK	135	66	24.06	24.39	24.06	24.06	24.06	24.06	27.69	27.32	27.23	28.5	0.0
100	QPSK	135	138	24.06	24.39	24.06	24.06	24.06	24.06	27.69	27.32	27.23	28.5	1.0
100	QPSK	255	5	24.02	24.21	24.08	24.21	24.24	24.23	27.13	27.25	27.17		
100	SSB-AM	1	1	25.80	26.23	26.10	25.99	26.18	26.04	28.09	28.27	28.09	29.0	1.0
100	SSB-AM	1	1	25.02	25.51	25.10	25.00	25.22	22.87	25.97	26.28	26.05	27.5	2.5
100	SSB-AM	1	1	26.38	26.78	26.59	26.67	26.76	26.83	27.63	27.76	27.62	26.5	4.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	253.24	254.44	254.61	253.24	254.44	254.61	253.24	254.44	254.61	
100	PI2-BPSK	1	1	22.72	23.08	22.82	22.86	23.40	22.97	25.80	26.25	25.91		
100	PI2-BPSK	1	137	22.71	22.60	22.81	22.71	23.26	22.88	25.72	26.09	25.88	27.0	0.0
100	PI2-BPSK	1	271	22.64	22.65	22.83	22.71	23.12	22.76	25.89	26.04	25.81		
100	PI2-BPSK	135	5	22.68	22.82	22.85	22.55	23.78	22.75	25.83	26.00	25.78	27.0	0.0
100	PI2-BPSK	135	66	22.69	22.67	22.91	22.69	23.26	22.88	25.76	26.13	25.96	27.0	0.0
100	PI2-BPSK	135	138	22.48	22.72	22.85	22.56	23.61	22.71	25.53	25.88	25.72		
100	PI2-BPSK	255	5	22.62	22.78	22.81	22.65	23.12	22.81	25.85	25.95	25.82	27.0	0.0
100	QPSK	1	1	22.67	23.19	22.62	22.67	23.46	22.62	25.52	26.32	25.52		
100	QPSK	1	137	22.78	23.04	22.85	22.65	23.41	22.86	25.81	26.24	25.99	27.0	0.0
100	QPSK	1	271	22.76	23.02	22.83	22.76	23.26	22.82	25.74	26.14	25.84		
100	QPSK	135	5	22.75	22.81	22.83	22.59	23.23	22.83	25.73	26.08	25.84	27.0	0.0
100	QPSK	135	66	22.65	22.65	22.77	22.65	23.51	22.65	26.18	25.85	25.85	27.0	0.0
100	QPSK	135	138	22.63	22.79	22.76	22.61	23.13	22.81	25.83	25.97	25.85	27.0	0.0
100	QPSK	255	5	22.75	22.68	22.82	22.73	23.17	22.83	25.75	26.04	25.81	27.0	0.0
100	SSB-AM	1	1	22.81	23.10	22.86	22.83	23.46	22.88	25.88	26.26	25.92	27.0	0.0
100	SSB-AM	1	1	22.72	23.04	22.88	22.82	23.38	22.95	25.78	26.22	25.93	27.0	0.0
100	SSB-AM	1	1	26.30	26.75	26.53	26.52	27.63	26.57	27.52	27.89	27.88	28.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power Hgh Ch. Freq.	Turn-up test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	253.24	254.44	254.61	253.24	254.44	254.61	253.24	254.44	254.61	
100	PI2-BPSK	1	1	25.82	26.15	25.89	25.89	26.37	25.91	28.85	29.25	28.91		
100	PI2-BPSK	1	137	25.38	25.65	25.42	25.08	25.60	25.15	28.25	28.64	28.30	30.0	0.0
100	PI2-BPSK	1	271	25.30	25.58	25.40	25.04	25.53	25.08	28.18	28.57	28.25		
100	PI2-BPSK	135	5	24.48	24.75	24.53	24.04	24.62	24.33	27.41	27.80	27.41	29.0	1.0
100	PI2-BPSK	135	66	25.19	25.45	25.25	25.00	25.52	25.07	28.11	28.50	28.17	30.0	0.0
100	PI2-BPSK	135	138	24.30	24.56	24.40	23.81	24.32	23.83	27.69	28.09	27.74	29.0	1.0
100	PI2-BPSK	255	5	24.34	24.61	24.43	24.25	24.77	24.28	27.31	27.70	27.36		
100	QPSK	1	1	25.52	26.11	25.55	25.50	26.41	25.57	28.52	28.92	28.52		
100	QPSK	1	137	25.36	25.66	25.48	25.00	25.61	25.13	28.45	28.86	28.51	30.0	0.0
100	QPSK	1	271	25.28	25.52	25.29	25.11	25.93	25.47	28.35	28.74	28.39		
100	QPSK	135	5	24.03	24.29	24.05	24.02	24.44	24.00	27.64	27.38	27.54	28.5	1.0
100	QPSK	135	66	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.5	0.0
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.5	1.0
100	QPSK	255	5	24.03	24.25	24.09	24.03	24.55	24.07	27.65	27.45	27.59	28.5	1.0
100	SSB-AM	1	1	24.91	25.22	25.01	25.09	25.52	25.06	27.97	28.36	28.09	29.0	1.0
100	SSB-AM	1	1	22.86	23.21	22.98	23.07	23.55	23.09	26.05	26.39	26.05	27.5	2.5
100	SSB-AM	1	1	26.30	26.77	26.54	26.58	27.08	26.84	26.55	26.94	26.60	26.5	4.0



Part96_n48				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	24.0		
Frequency (MHz)				3.975	36.1458	36.1958	3.975	36.1458	36.1958	3.975	36.1458	36.1958			
40	QPSK	1	1	19.93	19.97	19.98	19.45	19.47	19.45	22.71	22.74	22.66	24.0	0.0	
40	QPSK	1	63	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48			
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59	22.5	1.5	
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.89	20.99	21.11	21.02			
40	QPSK	53	27	19.87	19.93	19.96	19.23	19.32	19.19	22.57	22.65	22.54	24.0	0.0	
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	1.5	
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25			
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	23.5	0.5	
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	2.5	
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	4.5	

Part96_n48				Ant 4			Ant 6			Ant 4+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	24.0		
Frequency (MHz)				3.975	36.1458	36.1958	3.975	36.1458	36.1958	3.975	36.1458	36.1958			
40	QPSK	1	1	18.43	18.52	18.44	18.53	18.64	18.55	20.59	20.69	20.61	22.5	0.0	
40	QPSK	1	53	18.36	18.39	18.35	16.52	16.63	16.48	20.55	20.61	20.53			
40	QPSK	1	104	18.35	18.41	18.41	16.43	16.52	16.43	20.51	20.58	20.54	22.5	0.0	
40	QPSK	53	0	18.33	18.32	18.38	16.50	16.57	16.50	20.52	20.54	20.55			
40	QPSK	53	27	18.36	18.46	18.40	16.52	16.60	16.54	20.57	20.54	20.56	22.5	0.0	
40	QPSK	53	53	18.35	18.34	18.29	16.45	16.55	16.53	20.51	20.55	20.51	22.5	0.0	
40	QPSK	106	0	18.38	18.44	18.30	16.48	16.59	16.52	20.54	20.52	20.51			
40	16QAM	1	1	18.35	18.45	18.37	16.49	16.49	16.50	20.53	20.59	20.55	22.5	0.0	
40	64QAM	1	1	17.34	17.38	17.31	15.75	15.81	15.73	19.63	19.66	19.60	21.5	1.0	
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.91	17.95	17.90	19.5	3.0	



Part96_n48				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency [MHz]				3520	3624.99	3679.98	3520	3624.99	3679.98	3520	3624.99	3679.98		
40	QPSK	1	1	18.47	18.50	18.44	18.50	18.54	18.42	21.00	21.03	21.44	23.0	0.0
40	QPSK	1	53	18.35	18.36	18.36	18.43	18.51	18.31	21.40	21.45	21.35		
40	QPSK	1	104	18.43	18.44	18.32	18.44	18.48	18.41	21.45	21.47	21.38		
40	QPSK	53	0	17.91	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.82	22.5	0.5
40	QPSK	53	27	18.24	18.35	18.31	18.44	18.49	18.36	21.40	21.45	21.44	23.0	0.0
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86	22.5	0.5
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.08		
40	16QAM	1	1	18.36	18.44	18.42	18.39	18.51	18.37	21.39	21.49	21.41	23.0	0.0
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	1.5
40	256QAM	1	1	14.72	14.69	14.67	14.66	14.64	14.57	17.65	17.68	17.63	19.5	3.5

Part96_n48				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency [MHz]				3520	3624.99	3679.98	3520	3624.99	3679.98	3520	3624.99	3679.98		
40	QPSK	1	1	18.55	18.40	18.38	16.95	16.91	16.88	20.67	20.73	20.70	22.5	0.0
40	QPSK	1	53	18.32	18.37	18.28	16.76	16.89	16.75	20.62	20.70	20.59		
40	QPSK	1	104	18.22	18.32	18.35	16.82	16.87	16.85	20.59	20.67	20.67		
40	QPSK	53	0	18.23	18.27	18.22	16.68	16.72	16.63	20.53	20.57	20.51	22.5	0.0
40	QPSK	53	27	18.24	18.35	18.38	16.78	16.97	16.95	20.56	20.70	20.66	22.5	0.0
40	QPSK	53	53	18.24	18.35	18.34	16.73	16.74	16.66	20.56	20.63	20.59		
40	QPSK	106	0	18.29	18.37	18.33	16.63	16.55	16.45	20.51	20.55	20.50	22.5	0.0
40	16QAM	1	1	18.21	18.37	18.37	16.80	16.88	16.80	20.57	20.70	20.67	22.5	0.0
40	64QAM	1	1	17.11	17.13	17.01	15.45	15.51	15.41	19.37	19.41	19.29	21.0	1.5
40	256QAM	1	1	14.80	15.00	14.86	13.15	13.19	13.07	17.12	17.20	17.13	19.0	3.5

Part27Q_n77(PC2)				Ant 4			Ant 8			Ant 4+8			Time-g Int (dB)	MPT (dB)
Ref (MHz)	Modulation	Ref Size	Ref Offset	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)		
Channel				S33.037			S33.037			S33.037				
Frequency (MHz)				3498.18			3498.18			3498.18				
180	PSK256Q	1	1	22.10	22.10		22.10	22.10		22.10	22.10		20.0	0.0
180	PSK256Q	1	187	22.11	22.11		22.11	22.11		22.11	22.11			
180	PSK256Q	1	371	22.08	22.08		22.08	22.08		22.08	22.08		20.0	0.0
180	PSK256Q	186	0	22.08	22.08		22.08	22.08		22.08	22.08			
180	PSK256Q	186	86	22.10	22.10		22.10	22.10		22.10	22.10		20.0	0.0
180	PSK256Q	186	184	22.10	22.07		22.10	22.07		22.10	22.07			
180	PSK256Q	250	0	22.10	22.10		22.10	22.10		22.10	22.10		20.0	0.0
180	QPSK	1	1	22.08	22.08		22.08	22.08		22.08	22.08			
180	QPSK	1	187	22.08	22.08		22.08	22.08		22.08	22.08		20.0	0.0
180	QPSK	1	371	22.11	22.11		22.11	22.11		22.11	22.11			
180	QPSK	186	0	22.11	22.11		22.11	22.11		22.11	22.11		20.0	0.0
180	QPSK	186	86	22.12	22.14		22.12	22.14		22.12	22.14			
180	QPSK	250	139	22.10	22.10		22.10	22.10		22.10	22.10		20.0	0.0
180	QPSK	250	0	22.10	22.10		22.10	22.10		22.10	22.10			
180	QAM64	1	1	22.11	22.10		22.11	22.10		22.11	22.10		20.0	0.0
180	QAM64	1	1	22.10	22.10		22.10	22.10		22.10	22.10			
180	QAM64	1	1	22.08	22.08		22.08	22.08		22.08	22.08		20.0	0.0
180	QAM64	1	1	22.08	22.08		22.08	22.08		22.08	22.08			

Part27Q_n77(PC1.5)				Ant 4			Ant 8			Ant 4+8			Time-g Int (dB)	MPT (dB)	
Ref (MHz)	Modulation	Ref Size	Ref Offset	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)			
Channel				S33.037			S33.037			S33.037					
Frequency (MHz)				3498.18			3498.18			3498.18					
180	PSK256QAM	1	1	40.78	17.78		40.78	17.78		40.78	17.78		20.0	0.0	
180	PSK256QAM	1	187	22.14	22.10		22.14	22.10		22.14	22.10				
180	PSK256QAM	1	371	22.10	22.05		22.10	22.05		22.10	22.05		20.0	0.0	
180	PSK256QAM	186	0	22.05	22.08		22.05	22.08		22.05	22.08				
180	PSK256QAM	186	86	22.17	22.17		22.17	22.17		22.17	22.17		20.0	0.0	
180	PSK256QAM	186	184	22.10	22.07		22.10	22.07		22.10	22.07				
180	PSK256QAM	250	0	22.10	22.07		22.10	22.07		22.10	22.07		20.0	0.0	
180	QPSK	1	1	22.07	22.05		22.07	22.05		22.07	22.05				
180	QPSK	1	187	22.10	22.10		22.10	22.10		22.10	22.10		20.0	0.0	
180	QPSK	1	371	22.10	22.08		22.10	22.08		22.10	22.08				
180	QPSK	186	0	22.10	22.10		22.10	22.10		22.10	22.10		20.0	0.0	
180	QPSK	186	86	22.12	22.14		22.12	22.14		22.12	22.14				
180	QPSK	250	139	22.10	22.08		22.10	22.08		22.10	22.08		20.0	0.0	
180	QPSK	250	0	22.10	22.10		22.10	22.10		22.10	22.10				
180	QAM64	1	1	22.11	22.10		22.11	22.10		22.11	22.10		20.0	0.0	
180	QAM64	1	1	22.10	22.10		22.10	22.10		22.10	22.10				
180	QAM64	1	1	22.08	22.08		22.08	22.08		22.08	22.08		20.0	0.0	
180	QAM64	1	1	22.08	22.08		22.08	22.08		22.08	22.08				

[illegible][illegible]

[illegible][illegible]

Part270_n77(PC1.5)					Ant 3				Ant 6				Ant 3+6				Notes	M/F
Exp	PRG	Modulation	RF Size	RF Offset	Power Low	Power High	Power Low	Power High	Power Low	Power High	Power Low	Power High	Power Low	Power High				
dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm				
100	100	100	100	100	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15				
100	100	100	100	100	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	27.1	0.0		
100	100	100	100	100	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19				
100	100	100	100	100	23.20	23.27	23.11	23.22	23.19	23.20	23.20	23.20	23.21	23.17	27.1	0.0		
100	100	100	100	100	23.21	23.21	23.18	23.21	23.18	23.21	23.21	23.21	23.21	23.21	27.1	0.0		
100	100	100	100	100	23.22	23.23	23.18	23.23	23.18	23.22	23.18	23.22	23.18	23.22	27.1	0.0		
100	100	100	100	100	23.23	23.23	23.18	23.23	23.18	23.23	23.23	23.23	23.23	23.23	27.1	0.0		
100	100	100	100	100	23.24	23.24	23.17	23.24	23.17	23.24	23.24	23.24	23.24	23.24				
100	100	100	100	100	23.25	23.25	23.17	23.25	23.17	23.25	23.25	23.25	23.25	23.25				
100	100	100	100	100	23.26	23.26	23.16	23.26	23.16	23.26	23.26	23.26	23.26	23.26				
100	100	100	100	100	23.27	23.27	23.15	23.27	23.15	23.27	23.27	23.27	23.27	23.27	27.1	0.0		
100	100	100	100	100	23.28	23.28	23.14	23.28	23.14	23.28	23.28	23.28	23.28	23.28	27.1	0.0		
100	100	100	100	100	23.29	23.29	23.13	23.29	23.13	23.29	23.29	23.29	23.29	23.29	27.1	0.0		
100	100	100	100	100	23.30	23.30	23.12	23.30	23.12	23.30	23.30	23.30	23.30	23.30	27.1	0.0		
100	100	100	100	100	23.31	23.31	23.11	23.31	23.11	23.31	23.31	23.31	23.31	23.31	27.1	0.0		
100	100	100	100	100	23.32	23.32	23.10	23.32	23.10	23.32	23.32	23.32	23.32	23.32	27.1	0.0		
100	100	100	100	100	23.33	23.33	23.09	23.33	23.09	23.33	23.33	23.33	23.33	23.33	27.1	0.0		
100	100	100	100	100	23.34	23.34	23.08	23.34	23.08	23.34	23.34	23.34	23.34	23.34	27.1	0.0		
100	100	100	100	100	23.35	23.35	23.07	23.35	23.07	23.35	23.35	23.35	23.35	23.35	27.1	0.0		
100	100	100	100	100	23.36	23.36	23.06	23.36	23.06	23.36	23.36	23.36	23.36	23.36	27.1	0.0		
100	100	100	100	100	23.37	23.37	23.05	23.37	23.05	23.37	23.37	23.37	23.37	23.37	27.1	0.0		
100	100	100	100	100	23.38	23.38	23.04	23.38	23.04	23.38	23.38	23.38	23.38	23.38	27.1	0.0		



Part27Q_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3499.98			3499.98			3499.98					
100	QPSK	1	1	21.26			21.15			24.24					
100	QPSK	1	137	21.15			21.07			24.12			26.0	0.0	
100	QPSK	1	271	21.26			21.10			24.19					
100	QPSK	137	0	20.58			20.04			23.33			25.0	1.0	
100	QPSK	137	68	21.19			21.08			24.15			26.0	0.0	
100	QPSK	137	136	20.74			20.18			23.48			25.0	1.0	
100	QPSK	273	0	20.06			20.12			23.41					
100	16QAM	1	1	21.23			21.17			24.21			26.0	0.0	
100	64QAM	1	1	20.07			19.75			22.52			24.5	1.5	
100	256QAM	1	1	17.07			16.81			19.55			21.5	4.5	

Part27O_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			650000			650000					
Frequency (MHz)				3725			3725			3725					
100	QPSK	1	1	21.15			21.17			24.17					
100	QPSK	1	137	21.13			21.11			24.13			26.0	0.0	
100	QPSK	1	271	21.09			21.11			24.11					
100	QPSK	137	0	20.60			20.10			23.37			25.0	1.0	
100	QPSK	137	68	21.06			21.07			24.08			26.0	0.0	
100	QPSK	137	136	20.77			20.19			23.48			25.0	1.0	
100	QPSK	273	0	20.60			20.16			23.44					
100	16QAM	1	1	21.04			21.07			24.07			26.0	0.0	
100	64QAM	1	1	19.85			19.80			22.84			24.5	1.5	
100	256QAM	1	1	16.85			17.00			19.04			21.5	4.5	

Part27Q_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				19.25			19.25			22.24				
100	QPSK	1	1		19.12			19.12			22.13		24.0	0.0
100	QPSK	1	137		19.12			19.12			22.23			
100	QPSK	1	271		19.24			19.19			22.23			
100	QPSK	137	0		19.12			19.09			22.12		24.0	0.0
100	QPSK	137	68		19.21			19.19			22.21		24.0	0.0
100	QPSK	137	136		19.13			19.12			22.14			
100	QPSK	273	0		19.19			19.16			22.19		24.0	0.0
100	16QAM	1	1		19.21			19.09			22.16		24.0	0.0
100	64QAM	1	1		19.15			19.18			22.18		24.0	0.0
100	256QAM	1	1		17.07			17.00			20.06		21.5	-2.5



Part27O_n78

Part27O_n78				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency [MHz]				379.0			379.0			379.0				
100	QPSK	1	1		19.18			19.18			22.18		24.0	0.0
100	QPSK	1	137		19.12			19.15			22.15			
100	QPSK	1	271		19.14			19.13			22.15			
100	QPSK	137	0		19.14			19.12			22.14		24.0	0.0
100	QPSK	137	68		19.15			19.14			22.15		24.0	0.0
100	QPSK	137	136		19.08			19.10			22.10		24.0	0.0
100	QPSK	273	0		19.04			19.04			22.05			
100	16QAM	1	1		19.10			19.08			22.10		24.0	0.0
100	64QAM	1	1		19.16			19.05			22.12		24.0	0.0
100	256QAM	1	1		18.85			17.05			19.95		21.5	2.5

Part27Q_n78

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency [MHz]				3499.98			3499.98			3499.98				
100	QPSK	1	1		21.14			21.16			24.16			
100	QPSK	1	137		21.03			21.11			24.08		26.0	0.0
100	QPSK	1	271		21.11			21.11			24.12			
100	QPSK	137	0		20.40			20.04			23.23		26.0	1.0
100	QPSK	137	68		21.12			21.13			24.14		26.0	0.0
100	QPSK	137	136		20.48			20.18			23.34		25.0	1.0
100	QPSK	273	0		20.30			20.12			23.22			
100	16QAM	1	1		21.02			21.09			24.07		26.0	0.0
100	64QAM	1	1		20.00			19.75			22.85		24.5	1.5
100	256QAM	1	1		17.05			16.51			19.95		21.5	4.5

Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency [MHz]				39.5			39.5			39.5				
100	QPSK	1	1	21.17			21.16			24.18				
100	QPSK	1	137	21.16			21.09			24.14			26.0	0.0
100	QPSK	1	271	21.05			21.07			24.07				
100	QPSK	137	0	20.40			20.19			23.26			25.0	1.0
100	QPSK	137	6.8	21.08			21.09			24.10			26.0	0.0
100	QPSK	137	136	20.55			20.15			23.36				
100	QPSK	273	0	20.30			20.16			23.24			25.0	1.0
100	16QAM	1	1	21.04			21.15			24.11			26.0	0.0
100	64QAM	1	1	19.99			19.88			22.91			24.5	1.5
100	256QAM	1	1	17.10			17.00			20.06			21.5	4.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (db)
Channel				633332			633332			633332			24.0	0.0
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	19.18			19.17			22.19			24.0	0.0
100	QPSK	1	137	19.17			19.17			22.13				
100	QPSK	1	271	19.05			19.13			22.10			24.0	0.0
100	QPSK	137	0	19.16			19.11			22.15				
100	QPSK	137	68	19.17			19.15			22.17			24.0	0.0
100	QPSK	137	136	19.13			19.13			22.14				
100	QPSK	273	0	19.05	19.08		19.08			22.08			24.0	0.0
100	16QAM	1	1	19.08			19.05			22.08				
100	64QAM	1	1	19.13			19.11			22.13			24.0	0.0
100	256QAM	1	1	17.09			17.09			20.06				

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)
Channel				650000			650000			650000			24.0	0.0
Frequency (MHz)				319.5			319.5			319.5				
100	QPSK	1	1	19.20			19.18			22.20			24.0	0.0
100	QPSK	1	137	19.05			19.08			22.08				
100	QPSK	1	271	19.14			19.15			22.16			24.0	0.0
100	QPSK	137	0	19.14			19.10			22.13				
100	QPSK	137	68	19.18			19.17			22.19			24.0	0.0
100	QPSK	137	136	19.07			19.09			22.09				
100	QPSK	273	0	19.15	19.08		19.15			22.13			24.0	0.0
100	16QAM	1	1	19.07			19.06			22.08				
100	64QAM	1	1	19.18			19.16			22.18			24.0	0.0
100	256QAM	1	1	17.10			17.05			20.09				



Reduced Power Mode for DS11 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dB)	MFR (dB)
Channel				344000	346000	348000	346000	350000	352000	350000	354000	356000	19.0	0.0
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	15.03	15.19	15.06	14.42	14.60	14.47	17.75	17.92	17.79		
40	P12 BPSK	1	108	15.04	15.15	15.10	14.49	14.59	14.46	17.78	17.89	17.80		
40	P12 BPSK	1	214	15.04	15.07	15.14	14.43	14.57	14.41	17.76	17.84	17.80		
40	P12 BPSK	108	0	15.01	15.18	15.15	14.52	14.55	14.38	17.75	17.89	17.75	19.0	0.0
40	P12 BPSK	108	54	15.02	15.05	15.16	14.46	14.52	14.42	17.76	17.80	17.82	19.0	0.0
40	P12 BPSK	108	108	14.97	15.13	15.04	14.48	14.55	14.41	17.74	17.86	17.75	19.0	0.0
40	P12 BPSK	216	0	15.01	15.15	15.15	14.42	14.53	14.37	17.74	17.87	17.79		
40	QPSK	1	1	15.10	15.20	15.16	14.57	14.61	14.52	17.80	17.83	17.82		
40	QPSK	1	108	15.03	15.05	15.04	14.55	14.52	14.38	17.81	17.80	17.75	19.0	0.0
40	QPSK	1	214	15.05	15.10	15.07	14.46	14.51	14.43	17.78	17.83	17.77		
40	QPSK	108	0	14.99	15.15	15.12	14.56	14.55	14.45	17.79	17.87	17.81	19.0	0.0
40	QPSK	108	54	15.00	15.19	15.16	14.57	14.58	14.50	17.80	17.91	17.85	19.0	0.0
40	QPSK	108	108	14.96	15.10	15.04	14.53	14.56	14.47	17.77	17.85	17.77	19.0	0.0
40	QPSK	216	0	15.06	15.18	15.04	14.42	14.40	14.40	17.75	17.85	17.74		
40	16QAM	1	1	15.05	15.12	15.06	14.44	14.58	14.42	17.77	17.87	17.76	19.0	0.0
40	64QAM	1	1	15.10	15.07	15.03	14.53	14.55	14.47	17.83	17.83	17.77	19.0	0.0
40	256QAM	1	1	15.05	15.13	15.10	14.50	14.50	14.45	17.79	17.84	17.80	19.0	0.0

n2				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dB)	MFR (dB)
Channel				344000	346000	348000	346000	350000	352000	344000	346000	348000	20.5	0.0
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P12 BPSK	1	1	16.51	16.51	16.48	16.33	16.50	16.43	19.43	19.52	19.47		
40	P12 BPSK	1	108	16.42	16.54	16.55	16.38	16.45	16.38	19.41	19.51	19.48		
40	P12 BPSK	1	214	16.46	16.51	16.47	16.31	16.37	16.37	19.40	19.45	19.43	20.5	0.0
40	P12 BPSK	108	0	16.45	16.63	16.49	16.36	16.42	16.35	19.43	19.54	19.43	20.5	0.0
40	P12 BPSK	108	54	16.46	16.58	16.49	16.37	16.37	16.46	19.43	19.49	19.49	20.5	0.0
40	P12 BPSK	108	108	16.46	16.57	16.47	16.40	16.49	16.40	19.44	19.54	19.45		
40	P12 BPSK	216	0	16.40	16.63	16.45	16.37	16.50	16.39	19.40	19.58	19.43		
40	QPSK	1	1	16.53	16.64	16.59	16.42	16.52	16.53	19.50	19.59	19.56		
40	QPSK	1	108	16.45	16.56	16.55	16.35	16.42	16.45	19.41	19.51	19.54	20.5	0.0
40	QPSK	1	214	16.43	16.54	16.53	16.33	16.40	16.38	19.39	19.48	19.47		
40	QPSK	108	0	16.44	16.59	16.49	16.35	16.40	16.38	19.41	19.51	19.45	20.5	0.0
40	QPSK	108	54	16.50	16.63	16.55	16.42	16.51	16.49	19.47	19.58	19.53	20.5	0.0
40	QPSK	108	108	16.48	16.62	16.51	16.33	16.44	16.48	19.42	19.54	19.50		
40	QPSK	216	0	16.46	16.56	16.55	16.33	16.50	16.41	19.41	19.54	19.49	20.5	0.0
40	16QAM	1	1	16.39	16.52	16.57	16.32	16.38	16.46	19.37	19.46	19.53	20.5	0.0
40	64QAM	1	1	16.49	16.63	16.49	16.31	16.46	16.39	19.41	19.56	19.45	20.5	0.0
40	256QAM	1	1	16.45	16.54	16.46	16.35	16.41	16.43	19.41	19.49	19.46	20.5	0.0



n2				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MRR (dB)
Channel				314400	316400	318400	314400	316400	318400	314400	316400	318400		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	20.20	20.39	20.43	19.98	20.00	20.00	23.10	23.21	23.23	24.5	0.0
40	PI2 BPSK	1	108	20.26	20.42	20.42	19.99	20.02	19.96	23.14	23.23	23.21		
40	PI2 BPSK	1	214	20.33	20.49	20.45	20.06	20.05	19.95	23.21	23.24	23.22	24.5	0.0
40	PI2 BPSK	108	9	20.38	20.34	20.33	20.05	20.00	19.97	23.18	23.16	23.16		
40	PI2 BPSK	108	54	20.29	20.35	20.45	20.05	20.03	19.94	23.18	23.20	23.21	24.5	0.0
40	PI2 BPSK	108	108	20.23	20.34	20.40	20.02	20.10	19.89	23.14	23.23	23.16	24.5	0.0
40	PI2 BPSK	216	0	20.21	20.34	20.43	20.04	20.06	19.93	23.14	23.21	23.20	24.5	0.0
40	QPSK	1	1	20.20	20.40	20.40	20.10	20.12	20.08	23.23	23.24	23.26	24.5	0.0
40	QPSK	1	108	20.24	20.35	20.44	19.98	19.97	19.91	23.12	23.16	23.15		
40	QPSK	1	214	20.29	20.37	20.37	20.07	20.03	19.89	23.19	23.21	23.15	24.5	0.0
40	QPSK	108	5	20.25	20.36	20.38	19.96	20.03	19.94	23.12	23.21	23.16		
40	QPSK	108	54	20.30	20.48	20.45	20.04	20.07	19.95	23.18	23.29	23.22	24.5	0.0
40	QPSK	108	108	20.23	20.40	20.42	20.00	19.98	19.92	23.13	23.21	23.19	24.5	0.0
40	QPSK	216	9	20.30	20.45	20.31	19.98	20.05	19.89	23.15	23.26	23.12	24.5	0.0
40	16QAM	1	1	20.26	20.40	20.41	19.98	20.01	19.88	23.13	23.22	23.16	24.5	0.0
40	64QAM	1	1	20.30	20.40	20.31	19.91	19.95	19.91	22.93	23.06	22.94	24.5	0.0
40	256QAM	1	1	17.87	18.00	17.91	17.99	17.05	17.08	20.79	20.84	20.76	22.5	2.0

n2				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MRR (dB)	
Channel				314000	316000	318000	314000	316000	318000	314000	316000	318000			
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890			
40	PI2 BPSK	1	1	21.34	21.40	21.29	21.09	21.20	21.08	24.23	24.31	24.20	25.5	0.0	
40	PI2 BPSK	1	108	21.27	21.39	21.28	21.05	21.23	21.09	24.17	24.32	24.20			
40	PI2 BPSK	1	214	21.32	21.37	21.27	21.15	21.14	21.20	24.25	24.27	24.25	25.5	0.0	
40	PI2 BPSK	108	9	21.28	21.35	21.33	21.13	21.27	21.12	24.22	24.32	24.24			
40	PI2 BPSK	108	54	21.40	21.43	21.38	21.15	21.16	21.12	24.29	24.31	24.26	25.5	0.0	
40	PI2 BPSK	108	108	21.33	21.43	21.40	21.09	21.21	21.15	24.22	24.33	24.29	25.5	0.0	
40	PI2 BPSK	216	0	21.39	21.31	21.35	21.03	21.27	21.15	24.22	24.30	24.26	25.5	0.0	
40	QPSK	1	1	21.40	21.35	21.41	21.18	21.25	21.23	24.31	24.38	24.33			
40	QPSK	1	108	21.31	21.44	21.39	21.06	21.14	21.14	24.20	24.30	24.25	25.5	0.0	
40	QPSK	1	214	21.39	21.42	21.29	21.14	21.19	21.17	24.28	24.32	24.24	25.5	0.0	
40	QPSK	108	9	21.38	21.38	21.36	21.06	21.23	21.12	24.23	24.32	24.25			
40	QPSK	108	54	21.40	21.42	21.35	21.11	21.25	21.17	24.27	24.35	24.29	25.5	0.0	
40	QPSK	108	108	21.27	21.34	21.34	21.06	21.18	21.16	24.18	24.27	24.26	25.5	0.0	
40	QPSK	216	0	21.33	21.40	21.37	21.09	21.20	21.20	21.15	24.22	24.31	24.27	25.5	0.0
40	16QAM	1	1	21.35	21.41	21.37	21.11	21.13	21.21	24.34	24.28	24.30	25.5	0.0	
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	1.0	
40	256QAM	1	1	17.87	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	3.0	



n25				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314400	316600	319000	314400	319000	319000	314000	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	15.19	15.13	15.04	14.79	14.86	14.68	18.00	18.01	17.87	19.0	0.0
40	PI2 BPSK	1	108	15.19	15.17	15.06	14.76	14.77	14.81	17.99	17.98	17.95		
40	PI2 BPSK	1	214	15.08	15.21	15.17	14.79	14.81	14.88	17.95	18.02	17.94	19.0	0.0
40	PI2 BPSK	108	0	15.16	15.13	15.04	14.75	14.86	14.72	17.97	18.01	17.88		
40	PI2 BPSK	108	54	15.08	15.11	15.06	14.87	14.85	14.89	17.99	17.99	17.89	19.0	0.0
40	PI2 BPSK	108	108	15.16	15.21	15.07	14.85	14.84	14.71	18.01	18.04	17.90		
40	PI2 BPSK	216	0	15.11	15.23	15.11	14.82	14.75	14.68	17.98	18.01	17.91	19.0	0.0
40	QPSK	1	1	15.19	15.24	15.13	14.88	14.83	14.83	18.00	18.06	18.04		
40	QPSK	1	108	15.12	15.11	15.13	14.84	14.81	14.70	17.99	17.97	17.93	19.0	0.0
40	QPSK	1	214	15.17	15.21	15.05	14.76	14.89	14.70	17.98	18.05	17.89		
40	QPSK	108	0	15.14	15.20	15.04	14.77	14.84	14.69	17.97	18.03	17.88	19.0	0.0
40	QPSK	108	54	15.10	15.22	15.15	14.80	14.85	14.75	17.99	18.05	17.98		
40	QPSK	108	108	15.07	15.21	15.12	14.77	14.78	14.75	17.93	18.01	17.95	19.0	0.0
40	QPSK	216	0	15.07	15.12	15.08	14.80	14.84	14.73	17.95	17.98	17.90		
40	16QAM	1	1	15.16	15.12	15.07	14.81	14.81	14.73	17.99	17.98	17.91	19.0	0.0
40	64QAM	1	1	15.10	15.10	15.09	14.84	14.84	14.68	17.98	17.98	17.90		
40	256QAM	1	1	15.14	15.23	15.10	14.75	14.81	14.78	17.96	18.04	17.95	19.0	0.0

n25				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	16.02	16.01	16.49	16.83	17.11	16.99	19.74	19.88	19.76	20.5	0.0
40	PI2 BPSK	1	108	16.00	16.07	16.56	16.85	16.99	16.93	19.74	19.84	19.76		
40	PI2 BPSK	1	214	16.07	16.07	16.95	16.88	16.96	16.97	19.74	19.84	19.78	20.5	0.0
40	PI2 BPSK	108	0	16.03	16.00	16.45	16.95	17.09	16.85	19.71	19.85	19.66		
40	PI2 BPSK	108	54	16.02	16.06	16.96	16.86	17.02	16.85	19.75	19.81	19.72	20.5	0.0
40	PI2 BPSK	108	108	16.03	16.02	16.96	16.90	17.09	16.91	19.73	19.87	19.75		
40	PI2 BPSK	216	0	16.05	16.05	16.53	16.83	17.00	16.90	19.70	19.79	19.73	20.5	0.0
40	QPSK	1	1	16.00	16.00	16.90	17.02	17.05	16.93	19.82	19.82	19.81		
40	QPSK	1	108	16.08	16.04	16.51	16.95	17.02	16.88	19.75	19.80	19.71	20.5	0.0
40	QPSK	1	214	16.02	16.06	16.90	16.87	17.08	16.86	19.76	19.84	19.69		
40	QPSK	108	0	16.02	16.05	16.47	16.86	17.00	16.91	19.75	19.84	19.71	20.5	0.0
40	QPSK	108	54	16.04	16.05	16.35	16.95	17.10	16.90	19.81	19.90	19.79		
40	QPSK	108	108	16.04	16.08	16.92	16.90	17.08	16.92	19.73	19.85	19.73	20.5	0.0
40	QPSK	216	0	16.01	16.08	16.95	16.83	16.95	16.95	19.68	19.80	19.74		
40	16QAM	1	1	16.06	16.00	16.49	16.95	17.01	16.92	19.77	19.82	19.72	20.5	0.0
40	64QAM	1	1	16.01	16.01	16.49	16.96	17.04	16.89	19.80	19.84	19.70		
40	256QAM	1	1	16.06	16.01	16.45	16.77	17.03	17.02	19.68	19.84	19.75	20.5	0.0



n25				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				314500	316500	319500	314500	316500	319500	314500	316500	319500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	20.98	21.06	21.12	20.48	20.46	20.34	23.75	23.78	23.76	24.5	0.0
40	PI2 BPSK	1	108	20.97	21.19	21.12	20.43	20.38	20.43	23.72	23.81	23.80		
40	PI2 BPSK	1	214	20.93	21.11	21.08	20.42	20.40	20.42	23.69	23.78	23.76		
40	PI2 BPSK	108	0	20.96	21.09	21.10	20.45	20.50	20.43	23.72	23.81	23.78	24.5	0.0
40	PI2 BPSK	108	54	20.98	21.09	21.08	20.40	20.44	20.42	23.71	23.79	23.77	24.5	0.0
40	PI2 BPSK	108	108	20.98	21.09	21.02	20.37	20.48	20.30	23.70	23.81	23.69	24.5	0.0
40	PI2 BPSK	216	0	20.95	21.18	21.04	20.41	20.47	20.44	23.70	23.85	23.78	24.5	0.0
40	QPSK	1	1	21.08	21.20	21.17	20.50	20.53	20.55	23.81	23.89	23.84		
40	QPSK	1	108	21.04	21.11	21.06	20.41	20.43	20.39	23.75	23.78	23.75		
40	QPSK	1	214	21.07	21.13	21.03	20.45	20.38	20.31	23.78	23.78	23.70	24.5	0.0
40	QPSK	108	0	21.00	21.12	21.11	20.38	20.43	20.31	23.71	23.80	23.74		
40	QPSK	108	54	21.01	21.16	21.14	20.43	20.51	20.42	23.74	23.88	23.81		
40	QPSK	108	108	20.99	21.08	21.12	20.38	20.49	20.40	23.71	23.81	23.79	24.5	0.0
40	QPSK	216	0	21.03	21.12	21.09	20.35	20.38	20.31	23.71	23.78	23.73	24.5	0.0
40	16QAM	1	1	20.99	21.15	21.09	20.45	20.45	20.38	23.74	23.82	23.76		
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18		
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	2.0

n25				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				314500	316500	319500	314500	316500	319500	314500	316500	319500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	21.52	21.50	21.54	21.38	21.43	21.52	24.48	24.48	24.54	25.5	0.0
40	PI2 BPSK	1	108	21.48	21.50	21.56	21.48	21.53	21.40	24.49	24.53	24.49		
40	PI2 BPSK	1	214	21.57	21.51	21.45	21.44	21.51	21.49	24.52	24.52	24.44		
40	PI2 BPSK	108	0	21.48	21.58	21.47	21.39	21.42	21.39	24.45	24.52	24.44	25.5	0.0
40	PI2 BPSK	108	54	21.53	21.63	21.45	21.47	21.50	21.45	24.51	24.58	24.46	25.5	0.0
40	PI2 BPSK	108	108	21.48	21.63	21.44	21.39	21.43	21.45	24.45	24.49	24.46	25.5	0.0
40	PI2 BPSK	216	0	21.56	21.51	21.46	21.38	21.49	21.42	24.48	24.51	24.45	25.5	0.0
40	QPSK	1	1	21.60	21.65	21.57	21.52	21.57	21.54	24.57	24.52	24.53		
40	QPSK	1	108	21.56	21.55	21.45	21.45	21.42	21.44	24.53	24.50	24.45		
40	QPSK	1	214	21.62	21.64	21.56	21.51	21.43	21.51	24.53	24.55	24.55	25.5	0.0
40	QPSK	108	0	21.55	21.55	21.48	21.40	21.45	21.39	24.49	24.51	24.45		
40	QPSK	108	54	21.58	21.63	21.50	21.45	21.53	21.52	24.53	24.59	24.52		
40	QPSK	108	108	21.56	21.56	21.43	21.42	21.52	21.48	24.50	24.55	24.47	25.5	0.0
40	QPSK	216	0	21.45	21.58	21.49	21.39	21.43	21.42	24.45	24.51	24.47	25.5	1.0
40	16QAM	1	1	21.57	21.64	21.54	21.39	21.51	21.46	24.49	24.59	24.51		
40	64QAM	1	1	20.96	20.98	20.47	20.41	20.51	20.37	23.50	23.56	23.43		
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.82	17.81	21.00	21.10	20.98	22.5	3.0



n66				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	346000	352000	346000	346000	352000	346000	346000	352000		
Frequency (MHz)				1730	1740	1760	1730	1745	1760	1730	1745	1760		
40	P1/2 BPSK	1	1	18.23	18.21	18.08	17.87	17.87	17.83	21.06	21.10	21.02	22.0	0.0
40	P1/2 BPSK	1	108	18.15	18.17	18.17	17.97	17.97	17.85	21.07	21.08	21.02		
40	P1/2 BPSK	1	214	18.12	18.18	18.15	17.87	17.88	17.92	21.01	21.04	21.05		
40	P1/2 BPSK	108	0	18.16	18.14	18.13	17.93	18.00	17.92	21.06	21.08	21.04		
40	P1/2 BPSK	108	54	18.24	18.26	18.21	17.98	18.00	17.89	21.12	21.14	21.06	22.0	0.0
40	P1/2 BPSK	108	108	18.18	18.14	18.09	17.95	17.95	17.89	21.08	21.06	21.00	22.0	0.0
40	P1/2 BPSK	216	0	18.12	18.21	18.19	17.99	17.94	17.84	21.07	21.09	21.03	22.0	0.0
40	QPSK	1	1	18.23	18.26	18.22	18.00	18.01	17.97	21.14	21.16	21.11		
40	QPSK	1	108	18.24	18.26	18.12	17.86	18.00	17.88	21.06	21.14	21.01		
40	QPSK	1	214	18.19	18.19	18.17	17.95	17.95	17.89	21.08	21.08	21.04		
40	QPSK	108	0	18.18	18.20	18.19	17.93	17.90	17.87	21.07	21.06	21.04	22.0	0.0
40	QPSK	108	54	18.20	18.23	18.21	17.98	18.00	17.95	21.10	21.13	21.08	22.0	0.0
40	QPSK	108	108	18.16	18.19	18.07	17.97	17.96	17.90	21.05	21.08	21.00	22.0	0.0
40	QPSK	216	0	18.11	18.22	18.21	17.91	17.98	17.90	21.02	21.11	21.07	22.0	0.0
40	16QAM	1	1	18.16	18.15	18.15	17.91	17.90	17.95	21.05	21.04	21.06	22.0	0.0
40	64QAM	1	1	18.17	18.22	18.17	17.85	17.88	17.95	21.02	21.06	21.07	22.0	0.0
40	256QAM	1	1	17.92	17.86	17.86	17.87	17.80	17.85	20.98	20.84	20.87	22.0	0.0

n66				Ant 2			Ant 1			Ant 2+1			Turn-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	346000	352000	346000	346000	352000	346000	346000	352000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	P1/2 BPSK	1	1	19.18	19.23	19.21	19.58	19.68	19.64	22.39	22.47	22.44	23.0	0.0
40	P1/2 BPSK	1	108	19.30	19.27	19.24	19.63	19.67	19.64	22.48	22.48	22.45		
40	P1/2 BPSK	1	214	19.25	19.33	19.28	19.62	19.69	19.65	22.45	22.52	22.48		
40	P1/2 BPSK	108	0	19.32	19.25	19.26	19.59	19.76	19.67	22.47	22.52	22.48		
40	P1/2 BPSK	108	54	19.28	19.31	19.16	19.59	19.73	19.68	22.45	22.54	22.44	23.0	0.0
40	P1/2 BPSK	108	108	19.28	19.37	19.23	19.66	19.66	19.60	22.48	22.53	22.43	23.0	0.0
40	P1/2 BPSK	216	0	19.26	19.23	19.15	19.55	19.66	19.69	22.41	22.46	22.44		
40	QPSK	1	1	19.13	19.38	19.23	19.63	19.77	19.75	22.54	22.59	22.54		
40	QPSK	1	108	19.20	19.34	19.27	19.65	19.73	19.66	22.44	22.50	22.48		
40	QPSK	1	214	19.19	19.32	19.25	19.57	19.67	19.66	22.39	22.51	22.47	23.0	0.0
40	QPSK	108	0	19.18	19.34	19.28	19.62	19.70	19.60	22.42	22.53	22.45		
40	QPSK	108	54	19.20	19.38	19.30	19.65	19.71	19.69	22.48	22.56	22.51		
40	QPSK	108	108	19.27	19.32	19.26	19.59	19.69	19.63	22.44	22.52	22.46		
40	QPSK	216	0	19.21	19.34	19.16	19.60	19.70	19.65	22.42	22.53	22.43	23.0	0.0
40	16QAM	1	1	19.21	19.33	19.17	19.67	19.73	19.60	22.46	22.54	22.40	23.0	0.0
40	64QAM	1	1	19.21	19.28	19.20	19.55	19.70	19.65	22.39	22.51	22.44	23.0	0.0
40	256QAM	1	1	17.85	17.84	17.87	17.74	18.12	18.11	20.06	20.90	20.86	22.5	0.5



n66				Ant 0			Ant 3			Ant 0+3					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dB)	MFR (dB)	
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000	25.0	0.0	
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PI2 BPSK	1	1	21.41	21.34	21.35	21.00	21.00	20.98	24.22	24.18	24.18	25.0	0.0	
40	PI2 BPSK	1	108	21.41	21.37	21.38	20.97	20.95	20.99	24.21	24.18	24.20			
40	PI2 BPSK	1	214	21.32	21.35	21.37	21.01	21.02	20.95	24.18	24.20	24.18	25.0	0.0	
40	PI2 BPSK	108	0	21.34	21.41	21.32	21.00	20.99	20.93	24.18	24.22	24.14			
40	PI2 BPSK	108	54	21.39	21.45	21.27	20.98	20.93	20.88	24.20	24.21	24.09	25.0	0.0	
40	PI2 BPSK	108	108	21.42	21.35	21.39	20.97	21.01	20.94	24.21	24.19	24.18	25.0	0.0	
40	PI2 BPSK	216	0	21.43	21.37	21.38	21.00	20.92	20.97	24.23	24.16	24.19	25.0	0.0	
40	QPSK	1	1	21.40	21.36	21.40	21.03	21.05	21.07	24.25	24.22	24.22			
40	QPSK	1	108	21.32	21.44	21.28	20.97	20.94	20.86	24.16	24.21	24.09	25.0	0.0	
40	QPSK	1	214	21.44	21.37	21.30	20.90	21.00	20.93	24.19	24.20	24.13			
40	QPSK	108	0	21.33	21.43	21.25	21.01	20.99	20.91	24.18	24.23	24.09	25.0	0.0	
40	QPSK	108	54	21.44	21.45	21.37	21.02	21.03	20.99	24.25	24.26	24.19	25.0	0.0	
40	QPSK	108	108	21.33	21.41	21.35	20.88	20.95	20.97	24.13	24.20	24.13	25.0	0.0	
40	QPSK	216	0	21.40	21.44	21.31	21.01	21.02	20.99	24.22	24.25	24.16	25.0	0.0	
40	16QAM	1	1	21.32	21.44	21.28	20.88	20.99	20.97	24.12	24.23	24.14	25.0	0.0	
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	0.5	
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	2.5	

n66				Ant 0			Ant 1			Ant 0+1					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dB)	MFR (dB)	
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000	25.0	0.0	
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PI2 BPSK	1	1	21.36	21.55	21.43	21.20	21.30	21.33	24.29	24.44	24.39	25.0	0.0	
40	PI2 BPSK	1	108	21.36	21.48	21.36	21.26	21.37	21.29	24.32	24.44	24.34			
40	PI2 BPSK	1	214	21.37	21.44	21.42	21.28	21.27	21.27	24.34	24.37	24.36	25.0	0.0	
40	PI2 BPSK	108	0	21.43	21.45	21.45	21.31	21.29	21.33	24.36	24.39	24.41			
40	PI2 BPSK	108	54	21.34	21.45	21.49	21.29	21.39	21.23	24.33	24.43	24.37	25.0	0.0	
40	PI2 BPSK	108	108	21.40	21.46	21.41	21.30	21.27	21.34	24.36	24.38	24.39	25.0	0.0	
40	PI2 BPSK	216	0	21.44	21.56	21.36	21.24	21.31	21.24	24.35	24.45	24.31	25.0	0.0	
40	QPSK	1	1	21.40	21.08	21.39	21.32	21.42	21.38	24.40	24.31	24.44			
40	QPSK	1	108	21.42	21.53	21.35	21.15	21.36	21.32	24.32	24.46	24.35	25.0	0.0	
40	QPSK	1	214	21.36	21.47	21.47	21.29	21.39	21.25	24.34	24.44	24.37			
40	QPSK	108	0	21.39	21.52	21.41	21.22	21.33	21.25	24.32	24.44	24.34	25.0	0.0	
40	QPSK	108	54	21.44	21.57	21.43	21.25	21.36	21.27	24.36	24.48	24.36	25.0	0.0	
40	QPSK	108	108	21.35	21.48	21.40	21.20	21.31	21.24	24.29	24.41	24.38	25.0	0.0	
40	QPSK	216	0	21.42	21.52	21.36	21.20	21.33	21.26	24.32	24.44	24.32			
40	16QAM	1	1	21.43	21.50	21.38	21.30	21.32	21.31	24.38	24.42	24.36	25.0	0.0	
40	64QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80	24.5	0.5	
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	2.5	



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Co. [Freq.]	Power Modulo Co. [Freq.]	Power High Co. [Freq.]	FCC Power Low Co. [Freq.]	Power Modulo Co. [Freq.]	Power High Co. [Freq.]	FCC Power Low Co. [Freq.]	Power Modulo Co. [Freq.]	Power High Co. [Freq.]	Turn-up limit (dBm)	MPE (dB)
Channel				500202	518508	528000	500202	518508	528000	500202	518508	528000		
Frequency [MHz]				2545.61	2562.61	2576	2545.61	2562.61	2576	2545.61	2562.61	2576		
100	PI2 BPSK	1	1	20.16	20.43	20.37	19.81	19.98	19.90	20.00	20.22	20.18		
100	PI2 BPSK	1	137	20.23	20.31	20.38	19.77	19.95	19.90	20.02	20.14	20.15	24.0	0.0
100	PI2 BPSK	1	271	20.10	20.39	20.30	19.84	19.98	19.88	20.03	20.20	20.19		
100	PI2 BPSK	135	6	20.12	20.32	20.20	19.78	19.94	19.91	20.06	20.14	20.11	24.0	0.0
100	PI2 BPSK	135	86	20.10	20.31	20.35	19.75	20.03	19.88	20.06	20.18	20.13	24.0	0.0
100	PI2 BPSK	135	168	20.20	20.38	20.36	19.80	20.03	19.89	20.01	20.22	20.13	24.0	0.0
100	PI2 BPSK	270	6	20.10	20.38	20.30	19.80	19.92	19.88	20.06	20.17	20.11		
100	QPSK	1	1	20.20	20.45	20.40	19.80	20.09	19.90	20.04	20.27	20.21		
100	QPSK	1	137	20.18	20.39	20.01	19.87	19.98	19.94	20.04	20.40	20.07	24.0	0.0
100	QPSK	1	271	20.25	20.38	20.39	19.88	19.94	19.90	20.06	20.15	20.17		
100	QPSK	135	0	20.18	20.31	20.34	19.75	20.02	19.85	20.07	20.18	20.11	24.0	0.0
100	QPSK	135	86	20.23	20.44	20.34	19.85	20.05	19.97	20.24	20.22	20.14	24.0	0.0
100	QPSK	135	168	20.21	20.30	20.36	19.80	20.02	19.84	20.02	20.17	20.12	24.0	0.0
100	QPSK	270	0	20.10	20.39	20.30	19.85	20.03	19.88	20.06	20.20	20.12	11.0	1.0
100	15QAM	1	1	20.22	20.32	20.36	19.83	19.99	19.90	20.04	20.17	20.13	24.0	0.0
100	16QAM	1	1	20.18	20.39	20.20	19.80	20.05	19.97	20.03	20.23	20.08	24.0	0.0
100	256QAM	1	1	20.20	20.31	20.29	19.74	20.00	19.96	20.06	20.17	20.14	24.0	0.0

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Co. [Freq.]	Power Modulo Co. [Freq.]	Power High Co. [Freq.]	FCC Power Low Co. [Freq.]	Power Modulo Co. [Freq.]	Power High Co. [Freq.]	FCC Power Low Co. [Freq.]	Power Modulo Co. [Freq.]	Power High Co. [Freq.]	Turn-up limit (dBm)	MPE (dB)	
Channel				500202	518508	528000	500202	518508	528000	500202	518508	528000			
Frequency [MHz]				2545.61	2562.61	2576	2545.61	2562.61	2576	2545.61	2562.61	2576			
100	PI2 BPSK	1	1	20.21	20.43	20.38	20.80	20.98	20.96	20.02	20.25	20.13			
100	PI2 BPSK	1	137	20.18	20.35	20.24	20.78	20.03	20.87	20.09	20.20	20.07	27.0	0.0	
100	PI2 BPSK	1	271	20.22	20.31	20.23	20.83	20.04	20.91	20.04	20.10	20.08			
100	PI2 BPSK	135	6	20.10	20.30	20.28	20.79	20.02	20.80	20.04	20.10	20.10	27.0	0.0	
100	PI2 BPSK	135	86	20.12	20.32	20.30	20.78	20.88	20.09	20.06	20.10	20.16	27.0	0.0	
100	PI2 BPSK	135	168	20.23	20.44	20.32	20.80	20.88	20.01	20.03	20.20	20.13	27.0	0.0	
100	PI2 BPSK	270	6	20.14	20.44	20.34	20.75	20.91	20.88	20.06	20.24	20.13			
100	QPSK	1	1	20.25	20.45	20.39	20.89	20.09	20.10	20.09	20.06	20.10			
100	QPSK	1	137	20.24	20.34	20.35	20.84	20.07	20.83	20.09	20.01	20.14	27.0	0.0	
100	QPSK	1	271	20.18	20.34	20.32	20.74	20.02	20.85	20.08	20.10	20.12			
100	QPSK	135	0	20.22	20.30	20.23	20.75	20.00	20.88	20.03	20.18	20.06	27.0	0.0	
100	QPSK	135	86	20.24	20.42	20.34	20.80	20.06	20.91	20.07	20.20	20.10	27.0	0.0	
100	QPSK	135	168	20.21	20.21	20.40	20.24	20.80	20.03	20.24	20.05	20.20	20.10	27.0	0.0
100	QPSK	270	0	20.10	20.34	20.32	20.77	20.80	20.01	20.05	20.10	20.13	11.0	1.0	
100	15QAM	1	1	20.18	20.39	20.20	20.79	20.01	20.82	20.06	20.18	20.09	27.0	0.0	
100	16QAM	1	1	20.12	20.37	20.32	20.80	20.09	20.97	20.20	20.17	20.10	27.0	0.0	
100	256QAM	1	1	20.05	20.34	20.32	20.60	20.98	20.80	20.80	20.83	24.17	24.08	25.5	1.5

FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mide Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mide Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mide Ch. Freq.	Power High Ch. Freq.	Turn-on test (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.51	254.52	254.53	254.51	254.52	254.53	254.51	254.52	254.53		
100	PL2-BPSK	1	1	19.88	19.90	19.93	19.82	19.93	19.98	22.72	22.98	22.92		
100	PL2-BPSK	1	137	19.85	19.95	19.95	19.81	20.02	19.95	22.74	23.02	23.04	24.0	0.0
100	PL2-BPSK	1	271	19.92	19.94	19.93	19.77	20.01	19.94	22.70	22.99	22.95		
100	PL2-BPSK	135	5	19.88	19.84	19.95	19.75	19.94	19.91	22.72	22.93	22.94	24.0	0.0
100	PL2-BPSK	135	66	19.55	19.85	19.93	19.93	20.05	19.85	22.75	22.97	22.95	24.0	0.0
100	PL2-BPSK	135	138	19.59	19.97	19.95	19.76	19.94	19.93	22.70	22.97	22.95		
100	PL2-BPSK	235	5	19.81	19.84	19.92	19.75	19.95	19.95	22.71	22.93	22.95	24.0	0.0
100	QPSK	1	1	19.70	20.05	19.94	19.99	20.05	20.00	22.91	23.05	23.05		
100	QPSK	1	137	19.97	19.97	19.92	19.77	19.94	19.91	22.68	22.97	22.99	24.0	0.0
100	QPSK	1	271	19.83	19.95	19.95	19.75	19.95	19.93	22.72	22.95	22.95		
100	QPSK	135	5	19.80	19.80	19.89	19.92	20.05	19.83	22.72	22.99	22.85	24.0	0.0
100	QPSK	135	66	19.55	19.95	19.95	19.75	20.05	19.85	22.75	22.95	22.95	24.0	0.0
100	QPSK	135	138	19.62	19.97	19.95	19.71	20.00	19.88	22.71	22.95	22.92	24.0	0.0
100	QPSK	235	5	19.59	19.95	19.83	19.77	19.95	19.96	22.69	22.98	22.91	24.0	0.0
100	SSB-AM	1	1	19.55	19.85	19.90	19.86	19.98	19.91	22.72	22.95	22.95	24.0	0.0
100	SSB-AM	1	1	19.69	19.97	19.97	19.76	19.95	19.97	22.74	22.95	22.95	24.0	0.0
100	SSB-AM	1	1	19.36	19.91	19.97	19.78	20.01	19.93	22.67	22.97	22.86	24.0	0.0

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mide Ch. Freq.	FCC Power Low Ch. Freq.	Power Mide Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mide Ch. Freq.	Power High Ch. Freq.	Turnup test (dBm)	MPS (dB)	
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.51	254.52	254.53	254.51	254.52	254.53	254.51	254.52	254.53		
100	PL2-BPSK	1	1	22.69	23.01	22.97	22.88	22.97	22.92	25.92	25.95	25.95		
100	PL2-BPSK	1	137	22.70	23.01	22.89	22.78	22.93	22.90	25.70	25.98	25.91	27.0	0.0
100	PL2-BPSK	1	271	22.70	22.95	22.93	22.85	22.89	22.97	25.95	25.91	25.91		
100	PL2-BPSK	135	5	22.68	23.00	22.95	22.81	22.90	22.79	25.77	25.91	25.88	27.0	0.0
100	PL2-BPSK	135	66	22.71	22.94	22.95	22.78	22.90	22.84	25.78	25.93	25.89	27.0	0.0
100	PL2-BPSK	135	138	22.77	22.92	23.01	22.88	22.99	22.98	25.84	25.97	25.95		
100	PL2-BPSK	235	5	22.75	23.01	22.94	22.75	22.90	22.85	25.79	25.91	25.91	27.0	0.0
100	QPSK	1	1	22.70	23.00	22.92	22.90	23.00	22.94	25.92	25.94	25.90		
100	QPSK	1	137	22.77	22.95	22.97	22.88	22.99	22.93	25.93	25.94	25.91	27.0	0.0
100	QPSK	1	271	22.68	22.95	22.95	22.85	22.93	22.79	25.79	25.94	25.85		
100	QPSK	135	5	22.68	23.00	22.88	22.79	22.92	22.85	25.74	25.97	25.98	27.0	0.0
100	QPSK	135	66	22.71	22.97	22.97	22.71	22.97	22.87	25.87	25.96	25.91	27.0	0.0
100	QPSK	135	138	22.69	22.95	22.97	22.80	22.91	22.89	25.78	25.92	25.94	27.0	0.0
100	QPSK	235	5	22.73	23.00	22.91	22.79	22.85	22.85	25.78	25.94	25.87		0.0
100	SSB-AM	1	1	22.66	22.98	22.94	22.75	22.95	22.89	25.75	25.97	25.93	27.0	0.0
100	SSB-AM	1	1	22.68	22.98	23.00	22.94	22.95	22.90	25.78	26.00	25.95	27.0	0.0
100	SSB-AM	1	1	20.97	21.18	21.13	20.81	21.01	20.97	25.75	26.11	26.01	25.5	1.0



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	Power High Ch. Freq.	Turn-up test (dBm)	MFR (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.81	255.24	255.67	254.81	255.24	255.67	254.81	255.24	255.67		
100	PL2-BPSK	1	1	25.79	25.88	25.94	25.71	25.84	25.71	25.79	25.97	25.85		
100	PL2-BPSK	1	137	25.80	25.07	25.81	25.80	25.05	25.71	25.81	24.05	25.82	25.0	0.0
100	PL2-BPSK	1	271	25.78	25.01	25.94	25.76	25.05	25.82	25.78	24.04	25.85		
100	PL2-BPSK	135	5	25.83	25.84	25.97	25.75	25.97	25.73	25.83	24.02	25.86	25.0	0.0
100	PL2-BPSK	135	66	25.74	25.05	25.81	25.75	25.05	25.72	25.76	24.01	25.88	25.0	0.0
100	PL2-BPSK	135	138	25.84	25.05	25.85	25.77	25.08	25.75	25.82	24.06	25.85		0.0
100	PL2-BPSK	255	5	25.75	25.05	25.85	25.82	25.98	25.73	25.80	24.04	25.85	25.0	0.0
100	QPSK	1	1	25.89	25.12	25.86	25.89	25.08	25.85	25.11	24.12	25.87		
100	QPSK	1	137	25.86	25.84	25.81	25.82	25.08	25.75	25.85	24.07	25.97	25.0	0.0
100	QPSK	1	271	25.83	25.05	25.05	25.75	25.83	25.82	25.81	23.98	25.85		
100	QPSK	135	5	25.75	25.85	25.81	25.81	25.88	25.80	25.79	24.04	25.85	25.0	0.0
100	QPSK	135	66	25.85	25.05	25.81	25.75	25.05	25.72	25.84	24.05	25.85	25.0	0.0
100	QPSK	135	138	25.86	25.05	25.91	25.75	25.05	25.72	25.84	24.05	25.85		
100	QPSK	255	5	25.86	25.84	25.80	25.87	25.85	25.71	25.88	24.02	25.87	25.0	0.0
100	SSB-AM	1	1	25.85	25.05	25.85	25.85	25.87	25.85	24.05	25.85	25.85	25.0	0.0
100	SSB-AM	1	1	25.85	25.15	25.05	25.85	25.05	25.85	25.85	24.05	25.85	25.0	0.0
100	SSB-AM	1	1	25.25	26.41	26.27	25.34	26.37	25.83	25.33	25.46	25.31	25.0	0.0

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	FCC Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	FCC Power High Ch. Freq.	FCC Power Low Ch. Freq.	Power Mdn Ch. Freq.	FCC Power High Ch. Freq.	Turn-up test (dBm)	MFR (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.81	255.24	255.67	254.81	255.24	255.67	254.81	255.24	255.67		
100	PL2-BPSK	1	1	25.79	24.05	25.81	25.81	24.01	25.82	25.85	27.02	25.83	28.0	0.0
100	PL2-BPSK	1	137	25.79	24.07	25.87	25.85	24.01	25.87	25.85	27.05	25.85		
100	PL2-BPSK	1	271	25.87	24.07	25.81	25.83	24.09	25.77	25.85	27.09	25.85		
100	PL2-BPSK	135	5	25.82	25.81	25.88	25.85	25.81	25.17	25.87	25.39	25.85	28.0	0.0
100	PL2-BPSK	135	66	25.80	24.07	25.89	25.85	24.11	25.76	25.85	27.10	25.84	28.0	0.0
100	PL2-BPSK	135	138	25.23	25.85	25.31	25.87	25.11	25.87	25.17	25.34	25.25	28.0	0.0
100	PL2-BPSK	255	5	25.36	25.71	25.81	25.17	25.35	25.16	25.25	25.32	25.35		
100	QPSK	1	1	25.85	24.30	25.85	25.85	24.15	25.85	25.84	27.14	25.84		
100	QPSK	1	137	25.78	25.87	25.85	25.88	24.09	25.85	25.94	27.11	25.84	28.0	0.0
100	QPSK	1	271	25.85	24.09	25.81	25.84	24.05	25.85	25.83	27.07	25.87		
100	QPSK	135	5	25.86	25.39	25.21	25.89	25.23	25.23	25.85	25.32	25.23	28.0	0.0
100	QPSK	135	66	25.81	25.85	25.85	25.85	24.11	25.85	25.85	25.85	25.85		
100	QPSK	135	138	25.86	25.35	25.85	25.85	25.11	25.84	25.87	25.22	25.85	28.0	0.0
100	QPSK	255	5	25.82	25.21	25.88	25.21	25.25	25.23	25.13	25.25	25.17	25.0	0.0
100	SSB-AM	1	1	25.78	25.29	25.85	25.86	24.11	25.85	25.85	25.85	25.85	28.0	0.0
100	SSB-AM	1	1	25.82	25.81	25.15	25.85	25.22	25.87	25.87	25.25	25.25	27.5	0.5
100	SSB-AM	1	1	25.86	25.78	25.88	25.87	25.76	25.83	25.83	25.76	25.82	25.5	2.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up loss (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	254.62	254.63	254.61	254.62	254.63	254.61	254.62	254.63		
100	PL2-BPSK	1	1	21.72	22.05	21.82	21.86	22.40	21.97	24.80	25.25	24.91		
100	PL2-BPSK	1	137	21.71	21.90	21.81	21.71	22.28	21.88	24.72	25.09	24.88	20.0	0.0
100	PL2-BPSK	1	271	21.64	21.85	21.83	21.71	22.12	21.76	24.69	25.04	24.81		
100	PL2-BPSK	135	5	21.68	21.82	21.85	21.70	22.16	21.79	24.63	25.00	24.76	20.0	0.0
100	PL2-BPSK	135	66	21.69	21.97	21.91	21.69	22.28	21.98	24.70	25.13	24.96	20.0	0.0
100	PL2-BPSK	135	138	21.68	21.72	21.85	21.86	22.01	21.77	24.53	24.88	24.72		
100	PL2-BPSK	255	5	21.62	21.76	21.81	21.65	22.12	21.61	24.65	24.95	24.82	20.0	0.0
100	QPSK	1	1	21.67	22.10	22.02	21.67	22.46	22.02	24.50	25.02	25.02		
100	QPSK	1	137	21.76	22.04	21.85	21.66	22.41	21.86	24.69	25.24	24.99	20.0	0.0
100	QPSK	1	271	21.70	22.00	21.83	21.70	22.26	21.82	24.74	25.14	24.84		
100	QPSK	135	5	21.73	21.91	21.83	21.69	22.23	21.83	24.73	25.09	24.84	20.0	0.0
100	QPSK	135	66	21.65	22.00	21.87	21.64	22.31	21.64	24.66	25.16	24.96	20.0	0.0
100	QPSK	135	138	21.63	21.70	21.76	21.61	22.13	21.61	24.63	24.97	24.85	20.0	0.0
100	SSBAM	1	1	21.81	22.10	21.86	21.63	22.46	21.68	24.66	25.26	24.96	20.0	0.0
100	SSBAM	1	1	21.72	22.05	21.88	21.62	22.38	21.95	24.78	25.22	24.93	20.0	0.0
100	SSBAM	1	1	20.50	20.70	20.53	20.52	21.63	20.67	23.32	23.89	23.58	20.5	0.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mdn Ch. [Freq.]	Power Hgh Ch. [Freq.]	Turn-up loss (dBm)	MPS (dB)
Channel				505052	518058	528052	505052	518058	528052	505052	518058	528052		
Frequency [MHz]				254.61	254.62	254.63	254.61	254.62	254.63	254.61	254.62	254.63		
100	PL2-BPSK	1	1	24.82	25.15	24.89	24.89	25.37	24.91	27.85	28.25	27.91		
100	PL2-BPSK	1	137	24.38	24.65	24.42	24.08	24.60	24.15	27.20	27.64	27.30	29.0	0.0
100	PL2-BPSK	1	271	24.30	24.55	24.40	24.04	24.58	24.18	27.18	27.57	27.25		
100	PL2-BPSK	135	5	24.48	24.75	24.53	24.04	24.62	24.33	27.41	27.80	27.44	29.0	0.0
100	PL2-BPSK	135	66	24.19	24.45	24.25	24.00	24.52	24.07	27.11	27.50	27.17	29.0	0.0
100	PL2-BPSK	135	138	24.30	24.55	24.40	24.01	24.52	24.03	27.17	27.57	27.23	29.0	0.0
100	PL2-BPSK	255	5	24.34	24.61	24.43	24.25	24.77	24.28	27.31	27.70	27.36		
100	QPSK	1	1	24.02	25.29	25.07	25.09	25.50	25.09	28.02	28.42	28.09		
100	QPSK	1	137	24.36	24.68	24.46	24.00	24.53	27.45	27.86	27.51	29.0	0.0	
100	QPSK	1	271	24.28	24.50	24.28	24.41	24.50	24.47	27.35	27.74	27.39		
100	QPSK	135	5	24.03	24.29	24.05	24.02	24.44	24.00	27.64	27.38	27.54	28.5	0.0
100	QPSK	135	66	24.05	24.31	24.07	24.04	24.57	24.05	27.68	27.38	27.57	28.5	0.0
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.53	24.05	27.68	27.38	27.57	28.5	0.0
100	QPSK	255	5	24.23	24.50	24.29	24.23	24.75	24.27	27.20	27.60	27.29	28.5	0.0
100	SSBAM	1	1	24.91	26.22	26.00	26.08	26.50	26.06	29.07	29.58	29.09	29.0	0.0
100	SSBAM	1	1	22.96	23.21	22.90	23.07	23.55	23.09	26.00	26.39	26.05	27.5	1.5
100	SSBAM	1	1	20.50	20.77	20.54	20.58	21.08	20.84	23.55	23.94	23.60	20.5	0.5



Part96_n48				Ant 4			Ant 8			Ant 4+8					Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332				
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98				
40	QPSK	1	1	15.42	15.45	15.30	15.03	15.05	15.05	15.24	15.26	15.21	19.5	0.0		
40	QPSK	1	53	15.36	15.36	15.31	14.91	15.02	14.87	15.15	15.20	15.11				
40	QPSK	1	104	15.30	15.33	15.37	14.89	14.95	14.92	15.11	15.15	15.16				
40	QPSK	53	0	15.30	15.40	15.26	14.95	14.98	14.96	15.14	15.21	15.12	19.5	0.0		
40	QPSK	53	27	15.39	15.42	15.38	14.98	15.01	14.99	15.20	15.23	15.20	19.5	0.0		
40	QPSK	53	53	15.35	15.37	15.25	14.92	14.94	14.94	15.15	15.17	15.11	19.5	0.0		
40	QPSK	106	0	15.30	15.38	15.35	14.96	15.00	14.90	15.14	15.20	15.14	19.5	0.0		
40	16QAM	1	1	15.37	15.42	15.33	14.96	14.98	14.95	15.15	15.22	15.15	19.5	0.0		
40	64QAM	1	1	15.34	15.36	15.26	14.94	14.95	14.93	15.15	15.18	15.11	19.5	0.0		
40	256QAM	1	1	15.19	15.20	15.17	14.96	14.94	14.97	17.90	17.94	17.89	19.5	0.0		

Part96_n48				Ant 4			Ant 6			Ant 4+6					Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332				
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98				
40	QPSK	1	1	13.36	13.45	13.35	12.79	12.81	12.73	15.11	15.15	15.06	17.5	0.0		
40	QPSK	1	53	13.36	13.31	13.26	12.65	12.71	12.61	15.03	15.03	15.96				
40	QPSK	1	104	13.23	13.35	13.21	12.73	12.73	12.61	15.00	15.06	15.93				
40	QPSK	53	0	13.25	13.41	13.25	12.66	12.73	12.63	15.98	16.09	15.96	17.5	0.0		
40	QPSK	53	27	13.30	13.43	13.32	12.77	12.78	12.65	15.08	15.13	15.97	17.5	0.0		
40	QPSK	53	53	13.31	13.36	13.22	12.69	12.70	12.62	15.02	15.05	15.94	17.5	0.0		
40	QPSK	106	0	13.25	13.30	13.28	12.72	12.75	12.61	15.00	15.04	15.96				
40	16QAM	1	1	13.28	13.39	13.22	12.69	12.76	12.67	15.01	15.10	15.96	17.5	0.0		
40	64QAM	1	1	13.36	13.35	13.29	12.78	12.70	12.69	15.09	15.05	15.01	17.5	0.0		
40	256QAM	1	1	13.25	13.36	13.26	12.72	12.68	12.72	15.02	15.04	15.01	17.5	0.0		



Part96_n48				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				34975	34944.98	34919.98	35010	34944.99	34919.98	35010	34944.99	34919.98		
40	QPSK	1	1	15.96	16.04	15.91	16.04	16.07	15.95	16.01	15.97	16.06		
40	QPSK	1	53	15.94	15.92	15.77	16.01	15.99	15.96	16.99	16.97	16.88	20.5	0.0
40	QPSK	1	104	15.83	15.94	15.87	15.94	16.01	15.96	18.90	18.99	18.93		
40	QPSK	53	0	15.82	15.94	15.84	16.00	15.92	15.85	16.92	16.94	16.86	20.5	0.0
40	QPSK	53	27	15.94	15.99	15.98	16.02	16.03	15.95	16.99	16.92	16.91	20.5	0.0
40	QPSK	53	53	15.88	15.94	15.76	15.91	16.00	15.85	16.91	16.98	16.82		
40	QPSK	106	0	15.95	15.97	15.84	15.98	16.00	15.91	16.98	16.90	16.89	20.5	0.0
40	16QAM	1	1	15.91	16.01	15.89	15.92	16.00	15.85	18.93	19.02	18.88	20.5	0.0
40	64QAM	1	1	15.86	15.93	15.86	16.01	15.97	15.94	16.94	16.96	16.91	20.5	0.0
40	256QAM	1	1	14.72	14.69	14.67	14.56	14.64	14.57	17.65	17.66	17.63	19.5	1.0

Part96_n48				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				35010	34944.99	34919.98	35010	34944.99	34919.98	35010	34944.99	34919.98		
40	QPSK	1	1	13.25	13.30	13.22	12.00	12.08	12.02	15.68	15.74	15.67		
40	QPSK	1	53	13.12	13.29	13.12	11.88	11.98	11.97	15.55	15.69	15.59	17.5	0.0
40	QPSK	1	104	13.21	13.29	13.18	11.88	11.95	11.95	15.61	15.68	15.62		
40	QPSK	53	0	13.15	13.20	13.23	11.95	11.95	11.88	15.60	15.63	15.62	17.5	0.0
40	QPSK	53	27	13.18	13.26	13.25	11.89	12.05	12.05	15.64	15.71	15.66	17.5	0.0
40	QPSK	53	53	13.12	13.18	13.14	11.93	12.01	11.90	15.58	15.64	15.57		
40	QPSK	106	0	13.13	13.20	13.13	11.98	12.03	11.96	15.60	15.66	15.59	17.5	0.0
40	16QAM	1	1	13.11	13.22	13.19	11.95	12.04	11.87	15.58	15.68	15.59	17.5	0.0
40	64QAM	1	1	13.19	13.25	13.19	11.88	12.01	11.87	15.59	15.68	15.59	17.5	0.0
40	256QAM	1	1	13.10	13.26	13.23	11.97	11.97	12.00	15.60	15.69	15.67	17.5	0.0

[illegible]

Part27Q_n77(PC1.5)					Ant 4				Ant 8				Ant 4+8				
Exp	PRG	Modulation	Rate	RB Offset	Power Line [dBm]	Power High [dBm]	Power High [dBm]	Power Line [dBm]	Power High [dBm]	Power High [dBm]	Power Line [dBm]	Power High [dBm]	Power High [dBm]	Power Line [dBm]	Power High [dBm]	Power High [dBm]	
					0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Power Line (dBm)					0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
100	PRB400	QPSK	1		21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	197	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	394	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	591	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	788	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	985	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	1182	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	1379	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	1576	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	1773	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	1970	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	2167	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	2364	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	2561	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	2758	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	2955	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	3152	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	3349	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	3546	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	3743	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	3940	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	4137	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	4334	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	4531	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	4728	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	4925	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	5122	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	5319	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	5516	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	5713	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	5910	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	6107	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	6304	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	6501	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	6698	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	6895	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	7092	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	7289	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	7486	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	7683	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	7880	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	8077	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	8274	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	8471	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	8668	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	8865	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	9062	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	9259	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	9456	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	9653	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	9850	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	10047	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	10244	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	10441	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	10638	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	10835	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	11032	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	11229	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	11426	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	11623	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	11820	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	12017	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	12214	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	12411	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	12608	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	12805	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	13002	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	13199	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	13396	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	13593	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	13790	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	21.38	20.00	20.00	
100	PRB400	QPSK	1	13987	21.38	20.00	20.00	21.38	20.0								

Part27O_n77(PC2)				Ant 4			Ant 8			Ant 4+8			Time-up time (min)	SMT/ min	
Cell ID#	Modem	FE Type	FE Offset	Power Low Ch. 1Freq.	Power Power Ch. 1Freq.	Power High Ch. 1Freq.	Power Low Ch. 2Freq.	Power Power Ch. 2Freq.	Power High Ch. 2Freq.	Power Low Ch. 3Freq.	Power Power Ch. 3Freq.	Power High Ch. 3Freq.			
Channel				2500	3000	3500	2500	3000	3500	2500	3000	3500			
Frequency MHz				2500	3000	3500	2500	3000	3500	2500	3000	3500			
100	FE1 BPSK	1	1	18.06	18.12	18.20	18.16	18.06	18.06	21.00	21.12	21.06	22.0	0.0	
100	FE0 BPSK	1	107	18.04	18.08	18.14	18.01	18.14	17.98	21.00	21.12	21.06			
100	FE0 BPSK	1	211	18.17	18.18	18.18	18.01	18.08	18.00	21.10	21.10	21.08			
100	FE0 BPSK	100	0	18.03	18.10	18.15	18.08	18.10	17.97	21.00	21.12	21.07	22.0	0.0	
100	FE0 BPSK	100	100	18.12	18.10	18.01	18.08	18.12	18.00	21.10	21.12	21.08	22.0	0.0	
100	FE0 BPSK	100	100	18.10	18.10	18.11	18.10	18.07	17.98	21.10	21.12	21.08	22.0	0.0	
100	FE0 BPSK	200	0	18.04	18.12	18.07	18.00	18.17	18.07	21.00	21.18	21.08	22.0	0.0	
100	CPM	1	1	18.10	18.10	18.10	18.10	18.10	18.10	21.00	21.12	21.06			
100	CPM	1	107	18.12	18.10	18.02	18.10	18.08	18.02	21.14	21.14	21.04	22.0	0.0	
100	CPM	1	211	18.06	18.08	18.12	18.16	18.06	18.06	21.00	21.12	21.06			
100	CPM	100	0	18.10	18.10	18.12	18.00	18.00	18.00	21.00	21.00	21.12	22.0	0.0	
100	CPM	100	100	18.14	18.12	18.14	18.14	18.17	18.10	21.10	21.10	21.14	22.0	0.0	
100	CPM	200	0	18.08	18.10	18.08	18.11	18.08	17.98	21.10	21.12	21.06	22.0	0.0	
100	CPM	200	0	18.08	18.10	18.04	18.07	18.14	17.98	21.00	21.18	21.08	22.0	0.0	
100	QAM64	1	1	18.17	18.10	18.08	18.10	18.10	18.07	21.10	21.14	21.08	22.0	0.0	
100	QAM64	1	1	18.00	18.10	18.09	18.00	18.11	18.08	21.00	21.14	21.07	22.0	0.0	
100	QAM64	100	0	18.17	18.10	18.10	18.00	18.10	17.98	21.10	21.12	21.08	22.0	0.0	

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Part270_n77(PC1.5)				Ant 4			Ant 6			Ant 4+6					
Ant 270n	Modulation	IS Size	IS Chn	Power Low Ch. 1 Freq.	Power Power Ch. 1 Freq.	Power High Ch. 1 Freq.	Power Low Ch. 7 Freq.	Power Power Ch. 7 Freq.	Power High Ch. 7 Freq.	Power Low Ch. 1 Freq.	Power Power Ch. 1 Freq.	Power High Ch. 1 Freq.	Power Low Ch. 7 Freq.	Power Power Ch. 7 Freq.	Power High Ch. 7 Freq.
Channel				270n	270n	270n	270n	270n	270n	270n	270n	270n	270n	270n	270n
Frequency (MHz)				2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700
100	100WPM	1	1	10.14	10.14	10.14	10.17	10.16	10.20	20.15	20.15	20.16	20.16	20.16	20.16
100	100WPM	1	107	10.13	10.14	10.23	10.27	10.18	10.13	20.11	20.17	20.18	20.13	20.17	20.18
100	100WPM	1	270	10.14	10.16	10.06	10.16	10.20	10.21	20.15	20.05	20.16	20.15	20.05	20.16
100	100WPM	100	0	10.10	10.10	10.00	10.00	10.10	10.10	20.10	20.10	20.10	20.10	20.10	20.10
100	100WPM	100	100	10.10	10.10	10.10	10.10	10.10	10.10	20.10	20.10	20.10	20.10	20.10	20.10
100	100WPM	100	100	10.10	10.10	10.10	10.10	10.10	10.10	20.10	20.10	20.10	20.10	20.10	20.10
100	100WPM	270	0	10.10	10.20	10.00	10.10	10.20	10.10	20.10	20.20	20.10	20.10	20.20	20.10
100	100WPM	270	1	10.10	10.20	10.10	10.10	10.20	10.10	20.10	20.20	20.10	20.10	20.20	20.10
100	100WPM	1	107	10.27	10.20	10.17	10.02	10.20	10.24	20.20	20.08	20.22	20.20	20.08	20.22
100	100WPM	1	270	10.20	10.10	10.02	10.14	10.20	10.20	20.10	20.02	20.10	20.10	20.02	20.10
100	100WPM	100	0	10.10	10.20	10.10	10.10	10.10	10.10	20.10	20.20	20.10	20.10	20.20	20.10
100	100WPM	100	100	10.10	10.20	10.10	10.20	10.20	10.10	20.10	20.20	20.10	20.10	20.20	20.10
100	100WPM	270	0	10.17	10.10	10.10	10.10	10.20	10.10	20.10	20.05	20.10	20.10	20.05	20.10
100	100WPM	270	1	10.10	10.10	10.10	10.10	10.20	10.20	20.10	20.10	20.20	20.10	20.20	20.10
100	100WPM	1	1	10.11	10.20	10.17	10.20	10.20	10.20	20.10	20.20	20.20	20.20	20.20	20.20
100	100WPM	1	1	10.10	10.10	10.10	10.20	10.10	10.10	20.10	20.10	20.10	20.10	20.10	20.10

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Part270_n77(PC1.5)				Ant 3			Ant 8			Ant 3+8					
Ant 270n	Modulation	SS Size	SS Chou	Power Low Ch. 1 Freq.	Power Power Ch. 1 Freq.	Power High Ch. 1 Freq.	Power Low Ch. 7 Freq.	Power Power Ch. 7 Freq.	Power High Ch. 7 Freq.	Power Low Ch. 1 Freq.	Power Power Ch. 1 Freq.	Power High Ch. 1 Freq.	Power Low Ch. 7 Freq.	Power Power Ch. 7 Freq.	Power High Ch. 7 Freq.
Channel				3.96MHz	3.96MHz	3.96MHz	3.96MHz	3.96MHz	3.96MHz	3.96MHz	3.96MHz	3.96MHz	3.96MHz	3.96MHz	3.96MHz
Frequency (MHz)				3780	3840	3900	3780	3840	3900	3780	3840	3900	3780	3840	3900
100	100WPM	1	1	23.13	23.16	23.17	23.16	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17
100	100WPM	1	107	23.08	23.12	23.20	23.08	23.08	23.13	23.10	23.10	23.10	23.10	23.10	23.10
100	100WPM	1	217	23.03	23.17	23.17	23.05	23.14	23.14	23.05	23.17	23.17	23.05	23.17	23.17
100	100WPM	100	0	23.05	23.15	23.15	23.04	23.06	23.06	23.05	23.15	23.15	23.05	23.15	23.15
100	100WPM	100	100	23.12	23.24	23.27	23.10	23.10	23.12	23.10	23.19	23.11	23.10	23.19	23.11
100	100WPM	100	100	23.05	23.20	23.21	23.04	23.17	23.05	23.10	23.20	23.10	23.10	23.20	23.10
100	100WPM	200	0	23.17	23.18	23.20	23.09	23.13	23.07	23.10	23.17	23.15	23.10	23.15	23.15
100	QPSK	1	1	23.13	23.15	23.15	23.13	23.15	23.15	23.13	23.15	23.15	23.13	23.15	23.15
100	QPSK	1	107	23.08	23.20	23.21	23.10	23.12	23.02	23.10	23.10	23.14	23.10	23.14	23.10
100	QPSK	1	217	23.07	23.16	23.1	23.06	23.10	23.07	23.06	23.16	23.17	23.06	23.16	23.17
100	QPSK	100	0	23.05	23.15	23.15	23.10	23.14	23.07	23.05	23.15	23.05	23.05	23.05	23.05
100	QPSK	100	100	23.10	23.22	23.23	23.11	23.10	23.12	23.10	23.22	23.14	23.10	23.14	23.10
100	QPSK	200	0	23.10	23.16	23.16	23.05	23.10	23.05	23.05	23.16	23.16	23.05	23.16	23.16
100	QPSK	200	0	23.15	23.18	23.17	23.09	23.12	23.05	23.15	23.16	23.07	23.15	23.16	23.07
100	16QAM	1	1	23.11	23.20	23.15	23.07	23.10	23.02	23.11	23.15	23.16	23.10	23.16	23.10
100	16QAM	1	1	23.08	23.20	23.11	23.07	23.12	23.02	23.08	23.20	23.06	23.08	23.12	23.06
100	16QAM	1	1	23.05	23.24	23.24	23.02	23.10	23.07	23.05	23.24	23.06	23.05	23.24	23.06

Part27Q_n77(PC2)				Ant 3			Ant 6			Ant 3+6			Time-g Int (dB)	MPT (dB)
BS (MHz)	Modulation	BS Size	BS Offset	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)		
Channel				SISO (dB)			SISO (dB)			SISO (dB)				
Frequency (MHz)				0.0000			0.0000			0.0000				
100	Full-BPSK	1	1	10.20			10.20			10.20			19.5	0.0
100	Full-BPSK	1	107	10.20			10.20			10.20			19.5	0.0
100	Full-BPSK	1	271	10.20			10.20			10.20			19.5	0.0
100	Full-BPSK	100	0	10.20			10.20			10.20			19.5	0.0
100	Full-BPSK	100	80	10.20			10.20			10.20			19.5	0.0
100	Full-BPSK	100	150	10.20			10.20			10.20			19.5	0.0
100	Full-BPSK	200	0	10.20			10.20			10.20			19.5	0.0
100	QPSK	1	1	10.20			10.20			10.20			19.5	0.0
100	QPSK	1	107	10.20			10.20			10.20			19.5	0.0
100	QPSK	1	271	10.20			10.20			10.20			19.5	0.0
100	QPSK	100	0	10.20			10.20			10.20			19.5	0.0
100	QPSK	100	80	10.20			10.20			10.20			19.5	0.0
100	QPSK	100	150	10.20			10.20			10.20			19.5	0.0
100	QPSK	200	0	10.20			10.20			10.20			19.5	0.0
100	16QAM	1	1	10.20			10.20			10.20			19.5	0.0
100	16QAM	1	107	10.20			10.20			10.20			19.5	0.0
100	16QAM	1	271	10.20			10.20			10.20			19.5	0.0
100	16QAM	100	0	10.20			10.20			10.20			19.5	0.0
100	16QAM	100	80	10.20			10.20			10.20			19.5	0.0
100	16QAM	100	150	10.20			10.20			10.20			19.5	0.0
100	16QAM	200	0	10.20			10.20			10.20			19.5	0.0
100	64QAM	1	1	10.20			10.20			10.20			19.5	0.0
100	64QAM	1	107	10.20			10.20			10.20			19.5	0.0
100	64QAM	1	271	10.20			10.20			10.20			19.5	0.0
100	64QAM	100	0	10.20			10.20			10.20			19.5	0.0
100	64QAM	100	80	10.20			10.20			10.20			19.5	0.0
100	64QAM	100	150	10.20			10.20			10.20			19.5	0.0
100	64QAM	200	0	10.20			10.20			10.20			19.5	0.0

Part27Q_n77(PC1.5)				Ant 3			Ant 6			Ant 3+6			Time-g Int (dB)	MPT (dB)
BS (MHz)	Modulation	BS Size	BS Offset	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)	Power (W)	Power (dBm)	Power (dBm)		
Channel				SISO (dB)			SISO (dB)			SISO (dB)				
Downlink				SISO (dB)			SISO (dB)			SISO (dB)				
Forward (dB)				SISO (dB)			SISO (dB)			SISO (dB)				
100	Full-BPSK	1	1	10.20			10.20			10.20			23.5	0.0
100	Full-BPSK	1	107	10.20			10.20			10.20				
100	Full-BPSK	1	271	10.20			10.20			10.20				
100	Full-BPSK	100	0	10.20			10.20			10.20			23.5	0.0
100	Full-BPSK	100	80	10.20			10.20			10.20			23.5	0.0
100	Full-BPSK	100	150	10.20			10.20			10.20			23.5	0.0
100	Full-BPSK	200	0	10.20			10.20			10.20			23.5	0.0
100	QPSK	1	1	10.20			10.20			10.20			23.5	0.0
100	QPSK	1	107	10.20			10.20			10.20			23.5	0.0
100	QPSK	1	271	10.20			10.20			10.20			23.5	0.0
100	QPSK	100	0	10.20			10.20			10.20			23.5	0.0
100	QPSK	100	80	10.20			10.20			10.20			23.5	0.0
100	QPSK	100	150	10.20			10.20			10.20			23.5	0.0
100	QPSK	200	0	10.20			10.20			10.20			23.5	0.0
100	16QAM	1	1	10.20			10.20			10.20			23.5	0.0
100	16QAM	1	107	10.20			10.20			10.20			23.5	0.0
100	16QAM	1	271	10.20			10.20			10.20			23.5	0.0
100	16QAM	100	0	10.20			10.20			10.20			23.5	0.0
100	16QAM	100	80	10.20			10.20			10.20			23.5	0.0
100	16QAM	100	150	10.20			10.20			10.20			23.5	0.0
100	16QAM	200	0	10.20			10.20			10.20			23.5	0.0
100	64QAM	1	1	10.20			10.20			10.20			23.5	0.0
100	64QAM	1	107	10.20			10.20			10.20			23.5	0.0
100	64QAM	1	271	10.20			10.20			10.20			23.5	0.0
100	64QAM	100	0	10.20			10.20			10.20			23.5	0.0
100	64QAM	100	80	10.20			10.20			10.20			23.5	0.0
100	64QAM	100	150	10.20			10.20			10.20			23.5	0.0
100	64QAM	200	0	10.20			10.20			10.20			23.5	0.0

[illegible][illegible]



Part27Q_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3499.98			3499.98			3499.98					
100	QPSK	1	1	17.26			17.10			20.24					
100	QPSK	1	137	17.24			17.18			20.22			22.0	0.0	
100	QPSK	1	271	17.15			17.13			20.15					
100	QPSK	137	0	17.11			17.04			20.09			22.0	0.0	
100	QPSK	137	68	17.24			17.15			20.21			22.0	0.0	
100	QPSK	137	136	17.21			17.11			20.17			22.0	0.0	
100	QPSK	273	0	17.18			17.10			20.15					
100	16QAM	1	1	17.16			17.16			20.17			22.0	0.0	
100	64QAM	1	1	17.24			17.18			20.22			22.0	0.0	
100	256QAM	1	1	17.07			16.81			19.95			21.5	0.5	

Part27O_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			650000			650000					
Frequency (MHz)				3799			3799			3799					
100	QPSK	1	1		17.05			17.09		20.20			22.0	0.0	
100	QPSK	1	137		17.05			17.09		20.08					
100	QPSK	1	271		17.04			17.10		20.08					
100	QPSK	137	0	17.04			17.04			20.05			22.0	0.0	
100	QPSK	137	68		17.15			17.17		20.18			22.0	0.0	
100	QPSK	137	136		17.15			17.13		20.15			22.0	0.0	
100	QPSK	273	0		17.15			17.08		20.13			22.0	0.0	
100	16QAM	1	1		17.07			17.12		20.11			22.0	0.0	
100	64QAM	1	1		17.09			17.12		20.12			22.0	0.0	
100	256QAM	1	1		16.95			17.06		19.94			21.5	0.5	

Part27Q_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.89			3499.98			3499.98				
100	QPSK	1	1		15.33			15.15			18.23			
100	QPSK	1	137		15.24			14.98			18.11		20.0	0.0
100	QPSK	1	271		15.21			15.02			18.13			
100	QPSK	137	0		15.23			14.97			18.11		20.0	0.0
100	QPSK	137	68		15.32			15.20			18.20		20.0	0.0
100	QPSK	137	136		15.30			15.02			18.17			
100	QPSK	273	0		15.21			15.01			18.12		20.0	0.0
100	16QAM	1	1		15.19			15.00			18.11		20.0	0.0
100	64QAM	1	1		15.32			15.05			18.20		20.0	0.0
100	256QAM	1	1		15.28			15.02			18.16		20.0	0.0



Part270_n78				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000			Tune-up limit (dBm)	MRR (dB)
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	15.11			15.15			15.14			20.0	0.0
100	QPSK	1	137	14.98			15.07			15.04				
100	QPSK	1	271	14.98			15.05			15.03			20.0	0.0
100	QPSK	137	0	14.99			15.08			15.05				
100	QPSK	137	68	15.08			15.12			15.11			20.0	0.0
100	QPSK	137	136	15.05			15.00			15.04			20.0	0.0
100	QPSK	273	0	15.01			15.04			15.04				
100	16QAM	1	1	15.07			15.07			15.08			20.0	0.0
100	64QAM	1	1	14.98			15.09			15.05			20.0	0.0
100	256QAM	1	1	15.05			15.05			15.08			20.0	0.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332			Tune-up limit (dBm)	MRR (dB)
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	19.05	19.17	19.17	19.17	19.17	19.17	22.20	22.10	22.25	24.0	0.0
100	QPSK	1	137	19.06	19.10	19.10	19.10	19.10	19.10	22.10	22.10	22.10		
100	QPSK	1	271	19.09	19.13	19.13	19.13	19.13	19.13	22.12	22.12	22.12	24.0	0.0
100	QPSK	137	0	19.07	19.06	19.06	19.06	19.06	19.06	22.08	22.08	22.08		
100	QPSK	137	68	19.16	19.15	19.15	19.15	19.15	19.15	22.18	22.18	22.18	24.0	0.0
100	QPSK	137	136	19.07	19.05	19.05	19.05	19.05	19.05	22.07	22.07	22.07	24.0	0.0
100	QPSK	273	0	19.10	19.09	19.09	19.09	19.09	19.09	22.09	22.09	22.09		
100	16QAM	1	1	19.19	19.16	19.16	19.16	19.16	19.16	22.19	22.19	22.19	24.0	0.0
100	64QAM	1	1	19.07	19.11	19.11	19.11	19.11	19.11	22.10	22.10	22.10	24.0	0.0
100	256QAM	1	1	17.09	16.81	16.81	16.81	16.81	16.81	19.96	19.96	19.96	21.0	2.0

Part27O_n78				Ant 3			Ant 8			Ant 3+8				
RB (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	24.0	0.0
100	QPSK	1	137	19.04	19.04	19.04	19.09	19.09	19.09	22.08	22.08	22.08		
100	QPSK	1	271	19.15	19.15	19.15	19.14	19.14	19.14	22.16	22.16	22.16		
100	QPSK	137	0	19.07	19.07	19.07	19.01	19.01	19.01	22.05	22.05	22.05	24.0	0.0
100	QPSK	137	68	19.17	19.17	19.17	19.11	19.11	19.11	22.17	22.17	22.17	24.0	0.0
100	QPSK	137	136	19.04	19.04	19.04	19.05	19.05	19.05	22.06	22.06	22.06	24.0	0.0
100	QPSK	273	0	19.15	19.15	19.15	19.01	19.01	19.01	22.09	22.09	22.09	24.0	0.0
100	16QAM	1	1	19.06	19.06	19.06	19.10	19.10	19.10	22.09	22.09	22.09	24.0	0.0
100	64QAM	1	1	19.17	19.17	19.17	19.04	19.04	19.04	22.12	22.12	22.12	24.0	0.0
100	256QAM	1	1	17.10	17.10	17.10	17.05	17.05	17.05	20.06	20.06	20.06	21.5	-2.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	14.63			14.64			17.65				
100	QPSK	1	137	14.54			14.53			17.55			19.5	0.0
100	QPSK	1	271	14.56			14.52			17.55				
100	QPSK	137	0	14.59			14.52			17.57			19.5	0.0
100	QPSK	137	68	14.51			14.52			17.63			19.5	0.0
100	QPSK	137	136	14.58			14.51			17.58				
100	QPSK	273	0	14.52			14.51			17.58			19.5	0.0
100	16QAM	1	1	14.48			14.58			17.54			19.5	0.0
100	64QAM	1	1	14.60			14.56			17.69			19.5	0.0
100	256QAM	1	1	14.49			14.49			17.50			19.5	0.0

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	14.66			14.66			17.67				
100	QPSK	1	137	14.56			14.61			17.60			19.5	0.0
100	QPSK	1	271	14.52			14.58			17.56				
100	QPSK	137	0	14.51			14.60			17.57			19.5	0.0
100	QPSK	137	68	14.60			14.63			17.65			19.5	0.0
100	QPSK	137	136	14.59			14.52			17.57				
100	QPSK	273	0	14.55			14.52			17.55			19.5	0.0
100	16QAM	1	1	14.53			14.55			17.55			19.5	0.0
100	64QAM	1	1	14.51			14.53			17.53			19.5	0.0
100	256QAM	1	1	14.61			14.60			17.64			19.5	0.0



Reduced Power Mode for DS12 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dB)	MFR (dB)
Channel				374000	375000	376000	374000	376000	378000	374000	376000	378000	23.0	0.0
Frequency [MHz]				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	18.85	19.08	18.98	18.51	18.64	18.45	21.69	21.88	21.73		
40	PI2 BPSK	1	108	18.97	18.98	18.94	18.45	18.56	18.44	21.73	21.79	21.71		
40	PI2 BPSK	1	214	18.88	18.96	18.93	18.42	18.61	18.51	21.67	21.80	21.74	23.0	0.0
40	PI2 BPSK	108	0	18.94	19.08	18.90	18.40	18.53	18.51	21.69	21.82	21.72	23.0	0.0
40	PI2 BPSK	108	54	18.95	19.06	19.03	18.49	18.59	18.52	21.74	21.84	21.79	23.0	0.0
40	PI2 BPSK	108	108	18.97	18.99	18.97	18.46	18.62	18.54	21.73	21.82	21.77	23.0	0.0
40	PI2 BPSK	216	0	18.91	19.07	19.00	18.48	18.54	18.48	21.71	21.82	21.76		
40	QPSK	1	1	19.00	19.09	19.05	19.55	19.65	19.50	21.79	21.89	21.82		
40	QPSK	1	108	18.86	19.03	18.99	18.44	18.53	18.53	21.67	21.80	21.75	23.0	0.0
40	QPSK	1	214	18.86	19.00	19.00	18.47	18.54	18.41	21.68	21.79	21.73		
40	QPSK	108	0	18.90	18.99	18.93	18.43	18.62	18.47	21.68	21.82	21.72	23.0	0.0
40	QPSK	108	54	18.95	19.00	18.99	18.50	18.63	18.54	21.74	21.83	21.78	23.0	0.0
40	QPSK	108	108	18.86	18.96	18.93	18.45	18.61	18.53	21.87	21.80	21.74	23.0	0.0
40	QPSK	216	0	18.90	18.98	18.92	18.49	18.57	18.44	21.71	21.75	21.70	23.0	0.0
40	16QAM	1	1	18.99	19.04	19.02	18.46	18.53	18.45	21.74	21.80	21.75	23.0	0.0
40	64QAM	1	1	18.95	19.03	19.03	18.50	18.58	18.46	21.74	21.82	21.76	23.0	0.0
40	256QAM	1	1	17.80	17.70	17.61	17.59	17.66	17.58	20.61	20.69	20.61	22.5	0.5

n2				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dB)	MFR (dB)
Channel				374000	376000	376000	376000	376000	376000	374000	376000	376000	23.5	0.0
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	19.46	19.50	19.56	19.25	19.34	19.36	22.37	22.43	22.47		
40	PI2 BPSK	1	108	19.49	19.61	19.53	19.23	19.33	19.37	22.37	22.48	22.46		
40	PI2 BPSK	1	214	19.42	19.51	19.52	19.32	19.42	19.30	22.38	22.48	22.42	23.5	0.0
40	PI2 BPSK	108	0	19.42	19.55	19.57	19.35	19.37	19.36	22.40	22.47	22.43	23.5	0.0
40	PI2 BPSK	108	54	19.47	19.58	19.49	19.25	19.34	19.31	22.37	22.47	22.41	23.5	0.0
40	PI2 BPSK	108	108	19.47	19.56	19.44	19.35	19.33	19.32	22.42	22.46	22.39		
40	PI2 BPSK	216	0	19.44	19.55	19.51	19.26	19.36	19.35	22.36	22.47	22.44	23.5	0.0
40	QPSK	1	1	19.50	19.64	19.59	19.37	19.45	19.43	22.47	22.56	22.51		
40	QPSK	1	108	19.46	19.60	19.51	19.26	19.38	19.38	22.37	22.50	22.46	23.5	0.0
40	QPSK	1	214	19.43	19.57	19.57	19.36	19.38	19.31	22.41	22.49	22.45		
40	QPSK	108	0	19.42	19.57	19.49	19.29	19.42	19.32	22.37	22.51	22.42	23.5	0.0
40	QPSK	108	54	19.52	19.60	19.58	19.32	19.43	19.38	22.43	22.53	22.49	23.5	0.0
40	QPSK	108	108	19.42	19.50	19.57	19.25	19.38	19.35	22.38	22.48	22.47	23.5	0.0
40	QPSK	216	0	19.42	19.45	19.47	19.31	19.37	19.26	22.38	22.44	22.38		
40	16QAM	1	1	19.44	19.54	19.52	19.28	19.30	19.29	22.37	22.43	22.42	23.5	0.0
40	64QAM	1	1	19.44	19.52	19.55	19.33	19.40	19.37	22.40	22.47	22.47	23.5	0.0
40	256QAM	1	1	17.80	17.70	17.61	17.82	17.67	17.96	20.72	20.85	20.80	22.5	1.0



n25				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				344500	345500	346500	344500	345500	346500	344500	345500	346500	23.0	0.0
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	19.13	19.19	19.05	18.85	18.89	18.81	22.00	22.05	21.94	23.0	0.0
40	PI2 BPSK	1	108	19.10	19.16	19.14	18.92	18.82	18.82	22.02	22.00	21.99		
40	PI2 BPSK	1	214	19.16	19.09	19.16	18.84	18.94	18.81	22.01	22.03	22.00	23.0	0.0
40	PI2 BPSK	108	0	19.04	19.05	19.16	18.84	19.81	18.80	21.95	21.94	21.99		
40	PI2 BPSK	108	54	19.13	19.17	19.07	18.79	18.89	18.81	21.97	22.04	21.95	23.0	0.0
40	PI2 BPSK	108	108	19.08	19.16	19.10	18.79	18.86	18.78	21.95	22.03	21.95	23.0	0.0
40	PI2 BPSK	216	0	19.09	19.17	19.12	18.86	18.83	18.73	21.99	22.01	21.94	23.0	0.0
40	QPSK	1	1	19.10	19.20	19.17	18.93	18.96	18.83	22.05	22.09	22.01		
40	QPSK	1	108	19.09	19.07	19.02	18.79	19.05	18.79	21.95	22.02	21.92	23.0	0.0
40	QPSK	1	214	19.08	19.08	19.15	18.80	18.91	18.79	21.95	22.01	21.98		
40	QPSK	108	0	19.12	19.09	19.14	18.78	18.82	18.82	21.96	21.97	21.99	23.0	0.0
40	QPSK	108	54	19.13	19.18	19.16	18.86	18.90	18.84	22.01	22.05	22.01	23.0	0.0
40	QPSK	108	108	19.10	19.16	19.15	18.82	18.86	18.82	21.97	22.02	22.00	23.0	0.0
40	QPSK	216	0	19.15	19.17	19.08	18.85	19.20	18.73	22.01	22.04	21.92	23.0	0.0
40	16QAM	1	1	19.04	19.12	19.12	18.90	18.87	18.68	21.98	22.01	21.92	23.0	0.0
40	64QAM	1	1	19.01	19.11	19.03	18.78	18.93	18.74	21.91	22.03	21.90	23.0	0.0
40	256QAM	1	1	17.89	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64	22.5	0.5

n25				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				344500	345500	346500	344500	345500	346500	344500	345500	346500	23.5	0.0
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	19.08	19.66	19.57	19.84	19.96	20.03	22.72	22.82	22.82	23.5	0.0
40	PI2 BPSK	1	108	19.59	19.74	19.49	19.92	20.03	20.01	22.77	22.90	22.77		
40	PI2 BPSK	1	214	19.64	19.72	19.51	19.82	20.06	19.92	22.74	22.90	22.73	23.5	0.0
40	PI2 BPSK	108	0	19.51	19.71	19.57	19.86	19.98	20.02	22.70	22.86	22.81		
40	PI2 BPSK	108	54	19.61	19.62	19.60	19.85	20.04	19.99	22.74	22.85	22.81	23.5	0.0
40	PI2 BPSK	108	108	19.63	19.69	19.57	19.84	20.10	19.96	22.75	22.91	22.78	23.5	0.0
40	PI2 BPSK	216	0	19.53	19.63	19.59	19.95	20.06	19.94	22.76	22.86	22.78	23.5	0.0
40	QPSK	1	1	19.05	19.75	19.64	19.87	20.11	20.03	22.83	22.94	22.86		
40	QPSK	1	108	19.56	19.68	19.50	19.85	19.97	19.94	22.74	22.84	22.74	23.5	0.0
40	QPSK	1	214	19.51	19.72	19.52	19.86	20.04	19.97	22.75	22.89	22.76		
40	QPSK	108	0	19.56	19.63	19.55	19.86	20.03	19.91	22.72	22.84	22.74	23.5	0.0
40	QPSK	108	54	19.63	19.72	19.62	19.93	20.10	20.04	22.79	22.92	22.80	23.5	0.0
40	QPSK	108	108	19.61	19.69	19.58	19.85	20.09	20.01	22.74	22.90	22.81	23.5	0.0
40	QPSK	216	0	19.62	19.70	19.60	19.85	20.02	19.90	22.75	22.87	22.76	23.5	0.0
40	16QAM	1	1	19.51	19.72	19.50	19.85	19.99	19.99	22.69	22.87	22.76		
40	64QAM	1	1	19.58	19.61	19.55	19.91	20.10	19.97	22.76	22.87	22.78	23.5	0.0
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	1.0



n66				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346500	346500	346500	346500	346500	346500	346500	346500	346500		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	22.22	22.21	22.21	21.95	21.95	21.99	25.10	25.09	25.11	26.0	0.0
40	PI2 BPSK	1	108	22.22	22.26	22.23	21.92	22.06	21.97	25.08	25.17	25.11		
40	PI2 BPSK	1	214	22.10	22.21	22.18	21.93	22.02	21.95	25.03	25.13	25.08		
40	PI2 BPSK	108	0	22.21	22.18	22.27	21.62	21.70	21.62	24.94	24.96	24.97	26.0	0.0
40	PI2 BPSK	108	54	22.15	22.30	22.19	22.02	21.89	21.97	25.10	25.16	25.09	26.0	0.0
40	PI2 BPSK	108	108	22.13	22.23	22.27	21.58	21.65	21.50	24.87	24.96	24.91	26.0	0.0
40	PI2 BPSK	216	0	22.21	22.25	22.20	21.55	21.69	21.61	24.90	24.99	24.93	26.0	0.0
40	QPSK	1	1	22.25	22.31	22.25	22.05	22.08	22.05	25.15	25.21	25.15	26.0	0.0
40	QPSK	1	108	22.12	22.16	22.16	22.00	21.98	21.99	25.07	25.08	25.09		
40	QPSK	1	214	22.15	22.25	22.14	21.99	22.03	21.98	25.08	25.15	25.07		
40	QPSK	108	0	21.69	21.66	21.91	21.13	21.16	21.01	24.38	24.43	24.28	25.5	0.5
40	QPSK	108	54	22.11	22.21	22.14	21.59	22.07	21.55	23.09	25.15	25.06	26.0	0.0
40	QPSK	108	108	21.50	21.65	21.63	21.07	21.12	21.06	24.33	24.40	24.36	25.5	0.5
40	QPSK	216	0	21.55	21.60	21.49	21.07	21.15	21.00	24.33	24.35	24.36	26.0	0.0
40	16QAM	1	1	21.68	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46	25.5	0.5
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.01	23.06	23.04	24.5	1.5
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	3.5

n66				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346500	346500	346500	346500	346500	346500	346500	346500	346500		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	20.75	20.81	20.75	21.14	21.22	21.14	23.96	24.03	23.96	24.5	0.0
40	PI2 BPSK	1	108	20.73	20.80	20.78	21.05	21.25	21.21	23.90	24.04	24.01		
40	PI2 BPSK	1	214	20.70	20.86	20.80	21.14	21.13	21.19	23.94	24.01	24.01		
40	PI2 BPSK	108	0	20.80	20.82	20.80	21.05	21.19	21.10	23.94	24.02	23.96	24.5	0.0
40	PI2 BPSK	108	54	20.74	20.76	20.81	21.06	21.22	21.09	23.91	24.01	23.96	24.5	0.0
40	PI2 BPSK	108	108	20.69	20.82	20.75	21.14	21.17	21.13	23.93	24.01	23.95	24.5	0.0
40	PI2 BPSK	216	0	20.81	20.74	20.82	21.13	21.23	21.08	23.98	24.00	23.96	26.0	0.0
40	QPSK	1	1	20.83	20.89	20.86	21.15	21.26	21.22	24.00	24.10	24.06	24.5	0.0
40	QPSK	1	108	20.73	20.77	20.80	21.13	21.15	21.10	23.94	23.97	23.96		
40	QPSK	1	214	20.79	20.80	20.75	21.07	21.26	21.09	23.94	24.05	23.93		
40	QPSK	108	0	20.69	20.83	20.83	21.10	21.24	21.12	23.91	24.05	23.99	24.5	0.0
40	QPSK	108	54	20.77	20.88	20.85	21.13	21.26	21.20	23.96	24.08	24.04	24.5	0.0
40	QPSK	108	108	20.76	20.85	20.80	21.07	21.25	21.09	23.93	24.06	23.96	24.5	0.0
40	QPSK	216	0	20.75	20.86	20.75	21.13	21.24	21.15	23.97	24.06	23.97	26.0	0.0
40	16QAM	1	1	20.76	20.76	20.72	21.00	21.26	21.08	23.89	24.03	23.91	24.5	0.0
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40	24.5	0.0
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.95	20.90	20.86	22.5	2.0



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	Power High Ch. Freq. 528000	Turn-up limit (dBm)	MPE (dB)
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency [MHz]				254.61	259.24	264	254.61	259.24	264	254.61	259.24	264		
100	PI2 BPSK	1	1	21.84	21.91	21.85	21.27	21.52	21.34	24.47	24.75	24.61		
100	PI2 BPSK	1	137	21.86	21.89	21.88	21.35	21.59	21.33	24.52	24.70	24.62	25.5	0.0
100	PI2 BPSK	1	271	21.86	21.89	21.81	21.27	21.46	21.27	24.48	24.74	24.58		
100	PI2 BPSK	135	5	21.89	21.90	21.89	21.38	21.34	21.37	24.53	24.70	24.64	26.5	0.0
100	PI2 BPSK	135	89	21.89	21.91	21.84	21.35	21.45	21.36	24.49	24.70	24.62	25.5	0.0
100	PI2 BPSK	135	158	21.86	21.85	21.77	21.29	21.47	21.28	24.50	24.67	24.54	25.5	0.0
100	PI2 BPSK	270	5	21.83	21.98	21.79	21.34	21.36	21.35	24.50	24.77	24.57	25.5	0.0
100	QPSK	1	1	21.90	22.00	21.91	21.30	21.69	21.42	24.55	24.81	24.60		
100	QPSK	1	137	21.82	21.85	21.88	21.39	21.46	21.39	24.48	24.67	24.63	25.5	0.0
100	QPSK	1	271	21.87	21.83	21.79	21.33	21.45	21.32	24.51	24.71	24.57		
100	QPSK	135	0	21.83	21.85	21.88	21.31	21.51	21.33	24.48	24.69	24.62	25.0	0.0
100	QPSK	135	89	21.85	21.98	21.84	21.35	21.55	21.45	24.50	24.72	24.58	25.5	0.0
100	QPSK	135	158	21.85	21.95	21.79	21.28	21.56	21.38	24.43	24.77	24.59	25.5	0.0
100	QPSK	270	0	21.87	21.85	21.79	21.28	21.53	21.37	24.43	24.70	24.59	25.5	0.0
100	16QAM	1	1	21.88	21.98	21.88	21.36	21.37	24.47	24.70	24.57	25.5	0.0	
100	16QAM	1	1	21.83	21.98	21.75	21.30	21.46	21.35	24.48	24.73	24.58	25.5	0.0
100	256QAM	1	1	20.94	21.19	21.25	20.84	20.88	20.65	23.80	24.60	23.97	25.0	0.0

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3					
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	FCC Power High Ch. Freq. 528000	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	FCC Power High Ch. Freq. 528000	FCC Power Low Ch. Freq. 505002	Power Modulo Ch. Freq. 518508	FCC Power High Ch. Freq. 528000	Turn-up limit (dBm)	MPE (dB)	
Channel				254.61	259.24	264	254.61	259.24	264	254.61	259.24	264			
Frequency [MHz]				254.61	259.24	264	254.61	259.24	264	254.61	259.24	264			
100	PI2 BPSK	1	1	24.59	24.79	24.74	24.51	24.63	24.31	27.06	27.72	27.54			
100	PI2 BPSK	1	137	24.68	24.73	24.67	24.40	24.59	24.27	27.05	27.67	27.48	28.5	0.0	
100	PI2 BPSK	1	271	24.58	24.80	24.74	24.42	24.58	24.35	27.51	27.65	27.58			
100	PI2 BPSK	135	5	24.59	24.84	24.78	24.54	24.52	24.27	27.42	27.69	27.59	28.5	0.0	
100	PI2 BPSK	135	89	24.66	24.78	24.78	24.54	24.59	24.27	27.61	27.70	27.54	28.5	0.0	
100	PI2 BPSK	135	158	24.52	24.73	24.71	24.25	24.51	24.35	27.49	27.63	27.53	28.5	0.0	
100	PI2 BPSK	270	5	24.59	24.78	24.71	24.39	24.57	24.35	27.43	27.69	27.59			
100	QPSK	1	1	24.63	24.80	24.72	24.50	24.69	24.41	27.63	27.79	27.60			
100	QPSK	1	137	24.58	24.77	24.79	24.46	24.68	24.36	27.49	27.74	27.59	28.5	0.0	
100	QPSK	1	271	24.65	24.81	24.75	24.49	24.62	24.28	27.56	27.75	27.62			
100	QPSK	135	0	24.51	24.69	24.69	24.52	24.32	24.14	27.18	27.52	27.41	28.5	0.0	
100	QPSK	135	89	24.57	24.80	24.77	24.50	24.61	24.13	27.56	27.72	27.57	28.5	0.0	
100	QPSK	135	158	24.07	24.48	24.40	24.03	24.28	24.11	27.06	27.38	27.27	28.5	0.0	
100	QPSK	270	0	24.25	24.64	24.66	24.54	24.30	24.03	27.18	27.44	27.33	28.5	0.0	
100	16QAM	1	1	24.68	24.78	24.80	24.50	24.60	24.24	27.69	27.76	27.59	28.5	0.0	
100	16QAM	1	1	23.35	23.73	23.71	23.18	23.48	23.33	26.27	26.61	26.53	27.5	1.0	
100	256QAM	1	1	20.95	21.34	21.32	20.66	20.86	20.60	23.80	23.83	24.17	24.08	25.5	3.0



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1				
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode	Power High Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518508	528000	505052	518508	528000	505052	518508	528000		
Frequency [MHz]				24.61	24.62	24.64	24.61	24.62	24.64	24.61	24.62	24.64		
100	PL2-BPSK	1	1	21.58	21.64	21.91	21.73	21.83	21.96	24.87	24.95	24.95		
100	PL2-BPSK	1	137	21.87	22.00	22.03	21.79	22.00	21.99	24.74	25.01	25.02	24.0	0.0
100	PL2-BPSK	1	271	21.57	21.66	21.87	21.77	21.86	21.85	24.88	24.97	24.92		
100	PL2-BPSK	135	5	21.81	21.88	21.98	21.80	22.00	21.89	24.74	25.01	24.95	26.0	0.0
100	PL2-BPSK	135	66	21.80	22.07	21.96	21.81	21.98	21.85	24.72	25.04	24.89	26.0	0.0
100	PL2-BPSK	135	138	21.86	22.03	22.01	21.75	22.01	21.85	24.71	25.03	24.94	26.0	0.0
100	PL2-BPSK	255	5	21.85	21.97	21.91	21.76	22.03	21.83	24.72	25.01	24.89		
100	QPSK	1	1	21.79	22.09	22.05	21.89	22.04	22.00	24.80	25.07	25.00		
100	QPSK	1	137	21.81	21.89	21.84	21.84	21.89	21.86	24.74	24.99	24.99	26.0	0.0
100	QPSK	1	271	21.89	22.07	21.95	21.77	21.91	21.82	24.74	24.97	24.92		
100	QPSK	135	5	21.85	21.87	21.96	21.82	21.82	21.90	24.75	24.98	24.94	26.0	0.0
100	QPSK	135	66	21.86	22.07	22.00	21.79	22.01	21.85	24.74	25.04	24.88	26.0	0.0
100	QPSK	135	138	21.81	22.08	22.00	21.75	22.00	21.85	24.71	25.04	24.98	26.0	0.0
100	QPSK	255	5	21.87	21.94	21.92	21.78	21.93	21.85	24.74	24.98	24.95	26.0	0.0
100	SSB-AM	1	1	21.59	21.60	21.86	21.82	22.00	21.87	24.74	24.96	24.95	26.0	0.0
100	SSB-AM	1	1	21.57	22.05	21.95	21.77	21.95	21.89	24.88	25.01	24.93	26.0	0.0
100	SSB-AM	1	1	26.35	24.14	21.11	20.39	20.88	21.09	23.78	24.08	24.45	25.5	0.5

FCC_n41(PC1.5)				Ant 2		Ant 1		Ant 2+1						
BW [MHz]	Modulation	RB Size	RB Offset	FCC Power Low Ch. [Freq.]	Power Mode	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode	Power High Ch. [Freq.]	FCC Power Low Ch. [Freq.]	Power Mode	Power High Ch. [Freq.]	Turn-up test (dBm)	MPS (dB)
Channel				505052	518508	528000	505052	518508	528000	505052	518508	528000		
Frequency [MHz]				24.61	24.62	24.64	24.61	24.62	24.64	24.61	24.62	24.64		
100	PL2-BPSK	1	1	24.69	24.98	24.84	24.79	25.02	24.87	27.75	25.01	27.87		
100	PL2-BPSK	1	137	24.66	24.97	24.82	24.85	25.03	24.95	27.77	28.01	27.80	29.0	0.0
100	PL2-BPSK	1	271	24.68	24.96	24.83	24.75	24.93	24.89	27.73	27.97	27.87		
100	PL2-BPSK	135	5	24.65	24.91	24.78	24.97	24.71	24.56	27.82	27.82	27.88	29.0	0.0
100	PL2-BPSK	135	66	24.77	24.90	24.75	24.82	24.97	24.87	27.81	27.85	27.82	29.0	0.0
100	PL2-BPSK	135	138	24.14	24.85	24.58	24.38	24.88	24.48	27.27	27.83	27.83	29.0	0.0
100	PL2-BPSK	255	5	24.76	24.94	24.77	24.38	24.82	24.48	27.88	27.79	27.84		
100	QPSK	1	1	24.60	25.00	24.80	24.81	25.06	24.97	27.80	28.04	27.80		
100	QPSK	1	137	24.78	24.91	24.81	24.82	24.99	24.86	27.80	27.83	27.81	29.0	0.0
100	QPSK	1	271	24.75	24.96	24.80	24.82	25.00	24.84	27.80	28.00	27.85		
100	QPSK	135	5	24.69	24.91	24.57	24.37	24.87	24.44	27.24	27.80	27.52	28.5	0.5
100	QPSK	135	66	24.68	24.94	24.54	24.97	24.71	24.68	27.86	27.86	27.86	28.5	0.5
100	QPSK	135	138	24.01	24.35	24.20	24.09	24.20	24.10	27.08	27.29	27.21	28.5	0.5
100	QPSK	255	5	24.81	24.52	24.48	24.01	24.23	24.12	27.82	27.80	27.51	27.5	0.5
100	SSB-AM	1	1	24.66	24.98	24.87	24.71	25.00	24.86	27.72	28.02	27.89	29.0	0.0
100	SSB-AM	1	1	23.02	23.54	23.48	23.25	23.48	23.38	26.15	26.52	26.44	27.5	1.5
100	SSB-AM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	20.70	24.11	24.01	23.5	3.5

Part96_n48				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98		
40	QPSK	1	1	19.83	19.97	19.88	19.45	19.47	19.45	22.11	22.74	22.68	24.0	0.0
40	QPSK	1	53	19.82	19.79	19.79	19.19	19.25	19.12	22.53	22.53	22.48		
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59		
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.80	20.99	21.11	21.02		
40	QPSK	53	27	19.87	19.93	19.85	19.22	19.32	19.19	22.57	22.65	22.54	24.0	0.0
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	1.5
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.29	22.5	1.5
40	16QAM	1	1	19.26	19.37	19.23	18.95	19.09	18.98	22.11	22.24	22.12	23.5	0.5
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	2.5
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	4.5

Part96_n48				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98		
40	QPSK	1	1	18.42	18.52	18.44	18.53	18.54	18.55	20.59	20.69	20.81	22.5	0.0
40	QPSK	1	53	18.36	18.39	18.35	16.52	16.63	16.48	20.55	20.61	20.53		
40	QPSK	1	104	18.35	18.41	18.41	16.43	16.52	16.43	20.51	20.58	20.54		
40	QPSK	53	0	18.33	18.32	18.38	16.50	16.57	16.50	20.52	20.54	20.55	22.5	0.0
40	QPSK	53	27	18.39	18.46	18.40	16.52	16.60	16.54	20.57	20.64	20.59	22.5	0.0
40	QPSK	53	53	18.35	18.34	18.29	16.45	16.55	16.53	20.51	20.55	20.51	22.5	0.0
40	QPSK	106	0	18.38	18.44	18.30	16.46	16.59	16.52	20.54	20.62	20.51		
40	16QAM	1	1	18.35	18.42	18.37	16.49	16.49	16.50	20.53	20.59	20.55	22.5	0.0
40	64QAM	1	1	17.34	17.36	17.31	15.75	15.81	15.73	19.63	19.66	19.60	21.5	1.0
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.51	17.55	17.50	19.5	3.0

Part96_n48				Ant 3			Ant 8			Ant 3+8				
RFW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.06	3570	3624.99	3679.06	3570	3624.99	3679.06		
40	QPSK	1	1	18.47	18.50	18.44	18.50	18.34	18.42	21.50	21.53	21.44	23.0	0.0
40	QPSK	1	53	18.35	18.36	18.36	18.43	18.51	18.31	21.40	21.45	21.35		
40	QPSK	1	104	18.43	18.44	18.32	18.44	18.48	18.41	21.45	21.47	21.38		
40	QPSK	53	0	17.91	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.82	22.5	0.5
40	QPSK	53	27	18.34	18.45	18.41	18.44	18.49	18.38	21.40	21.48	21.41	25.0	0.0
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86	22.5	0.5
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06		
40	16QAM	1	1	18.36	18.44	18.42	18.39	18.51	18.37	21.59	21.49	21.41	23.0	0.0
40	64QAM	1	1	16.80	16.98	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	1.5
40	256QAM	1	1	14.72	14.69	14.67	14.56	14.84	14.57	17.65	17.68	17.63	19.5	3.5

[illegible]

Part27Q_n77(PC1.5)					Ant 4				Ant 8				Ant 4+8			
Sp	PRB	Modulation	Rate	RB Offset	Power Line [dBm]	Power Peak [dBm]	Power Avg [dBm]	Power Line [dBm]	Power Peak [dBm]	Power Avg [dBm]	Power Line [dBm]	Power Peak [dBm]	Power Avg [dBm]	Power Line [dBm]	Power Peak [dBm]	Power Avg [dBm]
Channel Name					RB	0	0	0	0	0	0	0	0	0	0	0
Channel ID					0	0	0	0	0	0	0	0	0	0	0	0
Channel ID					0	0	0	0	0	0	0	0	0	0	0	0
100	PRB#PRB1	QPSK	1	0	26.02	26.02	25.97	26.02	26.02	25.97	26.02	26.02	25.97	26.02	26.02	25.97
100	PRB#PRB1	QPSK	1	1	26.03	26.03	25.97	26.03	26.03	25.97	26.03	26.03	25.97	26.03	26.03	25.97
100	PRB#PRB1	QPSK	1	2	26.04	26.04	25.97	26.04	26.04	25.97	26.04	26.04	25.97	26.04	26.04	25.97
100	PRB#PRB1	QPSK	1	3	26.05	26.05	25.97	26.05	26.05	25.97	26.05	26.05	25.97	26.05	26.05	25.97
100	PRB#PRB1	QPSK	1	4	26.06	26.06	25.97	26.06	26.06	25.97	26.06	26.06	25.97	26.06	26.06	25.97
100	PRB#PRB1	QPSK	1	5	26.07	26.07	25.97	26.07	26.07	25.97	26.07	26.07	25.97	26.07	26.07	25.97
100	PRB#PRB1	QPSK	1	6	26.08	26.08	25.97	26.08	26.08	25.97	26.08	26.08	25.97	26.08	26.08	25.97
100	PRB#PRB1	QPSK	1	7	26.09	26.09	25.97	26.09	26.09	25.97	26.09	26.09	25.97	26.09	26.09	25.97
100	PRB#PRB1	QPSK	1	8	26.10	26.10	25.97	26.10	26.10	25.97	26.10	26.10	25.97	26.10	26.10	25.97
100	PRB#PRB1	QPSK	1	9	26.11	26.11	25.97	26.11	26.11	25.97	26.11	26.11	25.97	26.11	26.11	25.97
100	PRB#PRB1	QPSK	1	10	26.12	26.12	25.97	26.12	26.12	25.97	26.12	26.12	25.97	26.12	26.12	25.97
100	PRB#PRB1	QPSK	1	11	26.13	26.13	25.97	26.13	26.13	25.97	26.13	26.13	25.97	26.13	26.13	25.97
100	PRB#PRB1	QPSK	1	12	26.14	26.14	25.97	26.14	26.14	25.97	26.14	26.14	25.97	26.14	26.14	25.97
100	PRB#PRB1	QPSK	1	13	26.15	26.15	25.97	26.15	26.15	25.97	26.15	26.15	25.97	26.15	26.15	25.97
100	PRB#PRB1	QPSK	1	14	26.16	26.16	25.97	26.16	26.16	25.97	26.16	26.16	25.97	26.16	26.16	25.97
100	PRB#PRB1	QPSK	1	15	26.17	26.17	25.97	26.17	26.17	25.97	26.17	26.17	25.97	26.17	26.17	25.97
100	PRB#PRB1	QPSK	1	16	26.18	26.18	25.97	26.18	26.18	25.97	26.18	26.18	25.97	26.18	26.18	25.97
100	PRB#PRB1	QPSK	1	17	26.19	26.19	25.97	26.19	26.19	25.97	26.19	26.19	25.97	26.19	26.19	25.97

Part2T0_n77(PC2)				Ant 4				Ant 8				Ant 4+8				Total Error (dB)	MSE
Exp Index	Modulation	Rate	BS Offset	Low Power (dBm)	High Power (dBm)	Low Power (dBm)	High Power (dBm)	Low Power (dBm)	High Power (dBm)	Low Power (dBm)	High Power (dBm)	Low Power (dBm)	High Power (dBm)				
Scenario				Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario				
Scenario 1: Power Control																	
100	PSK16QAM	1	1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	27.0	0.4	
100	PSK16QAM	1	1	23.00	23.00	23.00	23.75	23.00	23.00	23.00	23.00	23.00	23.00	23.00	27.0	0.4	
100	PSK16QAM	1	1	23.00	23.75	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	27.0	0.4	
100	PSK16QAM	1/6	1	23.75	23.00	23.00	23.75	23.00	23.00	23.75	23.00	23.00	23.75	23.00	27.0	0.5	
100	PSK16QAM	1/6	1	23.00	23.75	23.00	23.00	23.75	23.00	23.00	23.75	23.00	23.00	23.75	23.00	27.0	0.5
100	PSK16QAM	1/6	1/6	23.00	23.75	23.00	23.75	23.00	23.75	23.00	23.75	23.00	23.75	23.00	27.0	0.6	
100	PSK16QAM	1/6	1/6	23.00	23.00	23.75	23.00	23.75	23.00	23.75	23.00	23.75	23.00	23.75	23.00	27.0	0.6
100	QPSK	1	1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	27.0	0.4	
100	QPSK	1	1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	27.0	0.4	
100	QPSK	1/6	1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	27.0	0.4	
100	QPSK	1/6	1/6	23.00	23.00	23.00	23.77	23.00	23.00	23.77	23.00	23.00	23.77	23.00	27.0	0.5	
100	QPSK	1/6	1/6	23.00	23.00	23.00	23.77	23.00	23.77	23.00	23.77	23.00	23.77	23.00	27.0	0.5	
100	QPSK	1/6	1/6	23.00	23.00	23.00	23.00	23.77	23.00	23.00	23.77	23.00	23.00	23.77	23.00	27.0	0.6
100	QPSK	1/6	1/6	23.00	23.00	23.00	23.00	23.77	23.00	23.00	23.77	23.00	23.00	23.77	23.00	27.0	0.6
100	QPSK	1/6	1/6	23.00	23.00	23.00	23.00	23.77	23.00	23.00	23.77	23.00	23.00	23.77	23.00	27.0	0.6

Part270_n77(PC1.5)				Ant 4				Ant 8				Ant 4+8				Error rate (%)	MFI
En BWA	Installation	RF size	RF offset	Power Level (dBm)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Level (dBm)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Level (dBm)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Level (dBm)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)		
	Channel			Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum		
Reference Channel																	
100%	Full Power	1	1	20.00	18.14	23.00	22.87	23.00	23.00	23.00	23.00	23.00	23.00	23.00			
100%	Full Power	1	107	20.00	18.17	23.00	22.90	23.00	23.00	23.00	23.00	23.00	23.00	23.00	30.0	0.0	
100%	Full Power	1	213	20.00	18.17	23.00	22.90	23.00	23.00	23.00	23.00	23.00	23.00	23.00	30.0	0.0	
100%	Full Power	100	1	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	100	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	107	20.00	24.00	24.00	24.12	24.07	24.14	23.70	23.70	23.70	23.70	23.70	28.0	2.0	
100%	Full Power	100	213	20.00</													

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Part27Q_n77(PC1.5)				Ant 4				Ant 6				Ant 4+6				Average test value (dBm)	S/N
Port ID#	Modulation	Bit Rate	QAM Order	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]				
Downlink				Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]	Power Level [dBm]	Power Range [dBm]				
Frequency [MHz]				830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00	830.00				
100	PSK4QPSK	6	4	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	PSK4QPSK	6	4	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	PSK4QPSK	126	6	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	PSK4QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	6	4	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	6	4	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	6	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	22.85	23.10	
100	QPSK	126	126	23.10	22.85	23.10	22.										

[illegible][illegible]

Part270_n77(PC2)				Ant 3				Ant 8				Ant 3+8				Average gain	MSE
SP	Prng	Modulation	Rate	BS	RS	Other	Power Level	Power Spectrum	Power Spectrum	Power Spectrum	Power Level	Power Spectrum	Power Spectrum	Power Level	Power Spectrum		
Channel				Power Level	Power Spectrum	Power Spectrum	Power Level	Power Spectrum	Power Spectrum	Power Level	Power Spectrum	Power Spectrum	Power Level	Power Spectrum			
Frequency (MHz)																	
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	22.15	22.85	22.20	22.15
100	PSK16QAM	1	1	22.85	22.20	22.15	22.15	22.22	22.11	22.11	22.85	22.20	22.15	2			

[illegible]



Part27Q_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3499.98			3499.98			3499.98					
100	QPSK	1	1	22.30			22.15			25.24			27.0	0.0	
100	QPSK	1	137	22.17			22.10			25.15					
100	QPSK	1	271	22.24			22.12			25.19					
100	QPSK	137	0	20.58			20.04			23.33			25.0	2.0	
100	QPSK	137	68	22.15			22.00			25.09			27.0	0.0	
100	QPSK	137	136	20.74			20.18			23.48			25.0	2.0	
100	QPSK	273	0	20.06			20.12			23.41					
100	16QAM	1	1	21.54			21.41			24.49			26.0	1.0	
100	64QAM	1	1	20.07			19.75			22.52			24.5	2.5	
100	256QAM	1	1	17.07			16.81			19.55			21.5	5.5	

Part27O_n78				Ant 4			Ant 8			Ant 4+8					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			650000			650000					
Frequency (MHz)				3750			3750			3750					
100	QPSK	1	1	22.16			22.17			25.18			27.0	0.0	
100	QPSK	1	137	22.00			22.08			25.05					
100	QPSK	1	271	22.06			22.10			25.09					
100	QPSK	137	0	20.60			20.10			23.37			25.0	2.0	
100	QPSK	137	68	22.04			22.05			25.06			27.0	0.0	
100	QPSK	137	136	20.77			20.15			23.48			25.0	2.0	
100	QPSK	273	0	20.08			20.16			23.44					
100	16QAM	1	1	21.52			21.55			24.55			26.0	1.0	
100	64QAM	1	1	19.85			19.80			22.84			24.5	2.5	
100	256QAM	1	1	16.85			17.00			19.94			21.5	5.5	

Part27Q_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.89			3499.89			3499.88				
100	QPSK	1	1		19.25			19.25			22.24			
100	QPSK	1	137		19.12			19.12			22.13		24.0	0.0
100	QPSK	1	271		19.24			19.19			22.23			
100	QPSK	137	0		19.12			19.09			22.12		24.0	0.0
100	QPSK	137	68		19.21			19.15			22.21		24.0	0.0
100	QPSK	137	136		19.13			19.12			22.14			
100	QPSK	273	0		19.19			19.16			22.19		24.0	0.0
100	16QAM	1	1		19.21			19.09			22.16		24.0	0.0
100	64QAM	1	1		19.15			19.18			22.18		24.0	0.0
100	256QAM	1	1		17.07			17.00			20.06		21.5	-2.5



Part27O_n78

				Ant 4			Ant 6			Ant 4+6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				650000			650000			650000							
Frequency (MHz)				3750			3750			3750							
100	QPSK	1	1		19.16			19.16			22.18			24.0	0.0		
100	QPSK	1	137		19.12			19.15			22.15						
100	QPSK	1	271		19.14			19.13			22.15						
100	QPSK	137	0		19.14			19.12			22.14		24.0	0.0			
100	QPSK	137	68		19.15			19.14			22.16		24.0	0.0			
100	QPSK	137	136		19.08			19.10			22.10						
100	QPSK	273	0		19.04			19.04			22.05		24.0	0.0			
100	16QAM	1	1		19.10			19.08			22.10		24.0	0.0			
100	64QAM	1	1		19.16			19.05			22.12		24.0	0.0			
100	256QAM	1	1		16.85			17.05			19.95		21.5	2.5			

Part27Q_n78

				Ant 3			Ant 8			Ant 3+8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633332			633332			633332							
Frequency (MHz)				3499.98			3499.98			3499.98							
100	QPSK	1	1		21.14			21.16			24.16			26.0	0.0		
100	QPSK	1	137		21.03			21.11			24.08						
100	QPSK	1	271		21.11			21.11			24.12						
100	QPSK	137	0		20.40			20.04			23.23		25.0	1.0			
100	QPSK	137	68		21.12			21.13			24.11		26.0	0.0			
100	QPSK	137	136		20.48			20.18			23.34						
100	QPSK	273	0		20.30			20.12			23.22		25.0	1.0			
100	16QAM	1	1		21.02			21.09			24.07		26.0	0.0			
100	64QAM	1	1		20.00			19.75			22.69		24.5	1.5			
100	256QAM	1	1		17.09			16.91			19.96		21.5	4.5			

Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency [MHz]				39.5			39.5			39.5				
100	QPSK	1	1		21.17			21.16			24.18			
100	QPSK	1	137		21.16			21.09			24.14		26.0	0.0
100	QPSK	1	271		21.05			21.07			24.07			
100	QPSK	137	0		20.40			20.19			23.26		25.0	1.0
100	QPSK	137	6.8		21.08			21.09			24.10		26.0	0.0
100	QPSK	137	136		20.55			20.15			23.36			
100	QPSK	273	0		20.30			20.16			23.24		25.0	1.0
100	16QAM	1	1		21.04			21.15			24.11		26.0	0.0
100	64QAM	1	1		19.99			19.88			22.91		24.5	1.5
100	256QAM	1	1		17.10			17.00			20.06		21.5	4.5

[illegible][illegible]

DS1 8/6															
Mode	Channel	Frequency (MHz)	Ant 7						Mode	Channel	Frequency (MHz)	Ant 7			
			Average power (dBm)		Tune-up Limit	Average power (dBm)		Tune-up Limit				Average power (dBm)		Tune-up Limit	
			1Mbps	2Mbps		1Mbps	3Mbps					1Mbps	2Mbps		
BR / EDR	CH 00	2402	16.32	18.00		15.60	15.70	17.00	LE	CH 00	2402	16.30	18.00	12.50	14.00
	CH 39	2441	16.90	18.50		16.10	16.20	17.50		CH 19	2440	16.90	18.50	13.00	14.50
	CH 78	2480	15.53	17.00		14.70	14.80	16.50		CH 39	2480	15.20	16.50	11.60	13.00

DS1 2/11														
Mode	Channel	Frequency (MHz)	Ant 7				Mode	Channel	Frequency (MHz)	Ant 7				
			Average power (dBm)	Tune-up Limit	Average power (dBm)					Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
			1Mbps		2Mbps	3Mbps					1Mbps		2Mbps	
BR / EDR	CH 00	2402	14.35	16.00	14.45	14.51	16.00	LE	CH 00	2402	14.40	16.00	12.50	14.00
	CH 39	2441	15.05	16.50	15.02	15.00	16.50		CH 19	2440	15.00	16.50	13.00	14.50
	CH 78	2480	13.84	15.50	13.62	13.68	15.50		CH 39	2480	13.50	15.00	11.60	13.00

DSI 7														
Mode	Channel	Frequency (MHz)	Ant 7				Mode	Channel	Frequency (MHz)	Ant 7				
			Average power (dBm)	Tune-up Limit	Average power (dBm)					Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
			1Mbps		2Mbps	3Mbps					1Mbps		2Mbps	
BR / EDR	CH 00	2402	13.45	15.00	13.39	13.43	15.00	LE	CH 00	2402	13.39	15.00	12.50	14.00
	CH 39	2441	14.01	15.50	13.78	13.85	15.50		CH 19	2440	14.00	15.50	13.00	14.50
	CH 78	2480	12.99	14.50	12.86	12.79	14.50		CH 39	2480	12.80	14.00	11.60	13.00

Default & DSI 5/10														
Mode	Channel	Frequency (MHz)	Ant 6				Mode	Channel	Frequency (MHz)	Ant 6				
			Average power (dBm)	Tune-up Limit	Average power (dBm)					Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
			1Mbps		2Mbps	3Mbps					1Mbps		2Mbps	
BR / EDR	CH 00	2402	18.50	20.00	16.00	16.10	17.50	LE	CH 00	2402	16.60	18.00	12.10	13.50
	CH 39	2441	19.00	20.50	16.20	16.30	17.50		CH 19	2440	17.00	18.50	12.40	14.00
	CH 78	2480	18.40	20.00	15.60	15.70	17.00		CH 39	2480	16.30	18.00	11.60	13.00

DSI 7/11/3													
Ant 6							Ant 5						
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit 3Mbps	Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit
BR / EDR	CH 00	2402	17.30	19.00	16.00	16.10	LE	CH 00	2402	16.60	18.00	12.10	13.50
	CH 39	2441	18.10	19.50	16.20	16.30		CH 19	2440	17.00	18.50	12.40	14.00
	CH 78	2480	17.50	19.00	15.60	15.70		CH 39	2480	16.30	18.00	11.60	13.00

DSI 2															
Mode	Channel	Frequency (MHz)	Ant 6				Mode	Channel	Frequency (MHz)	Ant 6					
			Average power (dBm)	Tune-up Limit	Average power (dBm)					Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)		Tune-up Limit
			1Mbps		2Mbps	3Mbps					1Mbps		2Mbps	3Mbps	
BR / EDR	CH 00	2402	16.11	17.50	16.00	16.10	17.50	LE	CH 00	2402	16.60	18.00	12.10	13.50	
	CH 39	2441	17.20	18.50	16.20	16.30	17.50		CH 19	2440	17.00	18.50	12.40	14.00	
	CH 78	2480	16.84	18.00	15.60	15.70	17.00		CH 39	2480	16.30	18.00	11.60	13.00	

Default DSI 2/3/4/5/6/10/11/12																				
Mode	Channel	Frequency (MHz)	Ant 7+5(7)		Ant 7+5(5)		Ant 7+5		Ant 7+5(7)		Ant 7+5(5)		Ant 7+5		Ant 7+5(7)		Ant 7+5(5)		Ant 7+5	
			Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit
BR / EDR	CH 00	2402	14.60	15.50	13.90	15.50	17.27	18.50	12.10	13.50	10.90	12.50	14.55	16.00	12.20	13.50	11.00	12.50	14.65	16.00
	CH 39	2441	15.10	16.00	14.30	16.00	17.73	19.00	12.50	14.00	11.40	13.00	15.00	16.50	12.60	14.00	11.50	13.00	15.10	16.50
	CH 78	2480	13.90	15.00	13.40	15.00	16.67	18.00	11.20	13.00	10.70	12.00	13.97	15.50	11.30	13.00	10.80	12.00	14.07	15.50

Mode	Channel	Frequency (MHz)	Ant 7+5(7)		Ant 7+5(5)		Ant 7+5		Ant 7+5(7)		Ant 7+5(5)		Ant 7+5	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
			1Mbps		1Mbps		1Mbps		2Mbps		2Mbps		2Mbps	
LE	CH 00	2402	12.78	14.00	11.82	13.00	15.34	16.54	8.36	10.00	7.62	9.00	11.02	12.50
	CH 19	2440	13.05	14.00	11.94	13.00	15.54	16.54	8.53	10.00	7.85	9.00	11.21	12.50
	CH 39	2480	11.74	13.00	11.36	13.00	14.56	16.00	7.54	9.00	7.22	9.00	10.39	12.00

DSI 7																				
Mode	Channel	Frequency (MHz)	Ant 7+5(7)		Ant 7+5(5)		Ant 7+5		Ant 7+5(7)		Ant 7+5(5)		Ant 7+5		Ant 7+5(7)		Ant 7+5(5)		Ant 7+5	
			Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit
BR / EDR	CH 00	2402	14.20	15.00	13.50	15.00	16.87	18.00	12.10	13.50	10.90	12.50	14.55	16.00	12.20	13.50	11.00	12.50	14.65	16.00
	CH 39	2441	14.60	15.50	13.80	15.50	17.23	18.50	12.50	14.00	11.40	13.00	15.00	16.50	12.60	14.00	11.50	13.00	15.10	16.50
	CH 78	2480	13.50	14.50	13.00	14.50	16.27	18.00	11.20	13.00	10.70	12.00	13.97	15.50	11.30	13.00	10.80	12.00	14.07	15.50

Mode	Channel	Frequency (MHz)	Ant 7+5(7)		Ant 7+5(5)		Ant 7+5		Ant 7+5(7)		Ant 7+5(5)		Ant 7+5	
			Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit
LE	CH 00	2402	12.78	14.00	11.82	13.00	15.34	16.54	8.36	10.00	7.62	9.00	11.02	12.50
	CH 19	2440	13.05	14.00	11.94	13.00	15.54	16.54	8.53	10.00	7.85	9.00	11.21	12.50
	CH 39	2480	11.74	13.00	11.36	13.00	14.56	16.00	7.54	9.00	7.22	9.00	10.39	12.00

