

Full Power level/Default Power level/ Pmax Power Level for WWAN

		GSM850 ANT0 Default power					
GSM850		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		126	169	251	Tune-up Limit		
Frequency (MHz)		124.2	168.4	251.8	126		
GSM 1 Tx slot		32.20	32.07	32.05	33.50	23.20	23.07
GPRS 1 Tx slot		32.19	32.05	32.02	33.50	23.19	23.05
GPRS 2 Tx slots		31.11	30.84	30.71	32.00	25.11	24.84
GPRS 3 Tx slots		29.71	29.46	29.42	30.90	25.45	25.20
GPRS 4 Tx slots		28.01	27.71	27.65	29.50	25.01	24.71
EDGE 1 Tx slot		25.91	25.96	26.01	27.00	16.91	16.96
EDGE 2 Tx slots		24.49	25.10	24.86	26.50	16.89	19.10
EDGE 3 Tx slots		23.50	23.32	23.11	24.50	19.24	19.06
EDGE 4 Tx slots		21.85	21.87	21.96	23.50	18.85	18.87
		GSM1900 ANT0 Default power					
GSM1900		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		512	661	810	Tune-up Limit		
Frequency (MHz)		1552.2	1630	1552.3	512		
GSM 1 Tx slot		29.47	29.86	29.56	30.50	20.47	20.86
GPRS 1 Tx slot		28.46	28.85	28.53	30.50	20.46	20.85
GPRS 2 Tx slots		27.18	27.45	27.21	28.50	21.18	21.45
GPRS 3 Tx slots		25.81	26.03	26.01	27.40	21.55	21.77
GPRS 4 Tx slots		24.25	24.41	24.25	25.50	21.25	21.41
EDGE 1 Tx slot		25.45	25.60	25.54	26.50	16.45	16.60
EDGE 2 Tx slots		24.53	24.15	24.17	25.50	16.53	18.15
EDGE 3 Tx slots		22.56	23.01	22.62	24.50	16.30	18.75
EDGE 4 Tx slots		21.27	21.32	21.17	22.50	18.27	18.32

		WCDMA II ANT0 Default power			WCDMA IV ANT0 Default power			WCDMA V ANT0 Default power		
Band		WCDMA II			WCDMA IV			WCDMA V		
TX Channel		9262	9400	9538	Tune-up Limit			Tune-up Limit		
Rx Channel		9662	9800	9938	1512			4132		
Frequency (MHz)		1852.4	1880	1907.6	1537			4357		
3GPP Rel 99		22.66	22.72	22.70	24.00	22.95	23.05	22.97	24.00	23.64
3GPP Rel 99		22.67	22.75	22.71	24.00	22.97	23.06	23.00	24.00	23.69
3GPP Rel 6		21.70	21.83	21.83	23.00	21.95	22.08	21.88	23.00	21.60
3GPP Rel 6		21.55	21.86	21.94	23.00	22.04	21.97	21.97	23.00	21.67
3GPP Rel 6		21.37	21.14	21.19	22.50	21.54	21.43	21.47	22.50	21.14
3GPP Rel 6		20.92	21.23	21.17	22.50	21.56	21.48	21.47	22.50	21.04
3GPP Rel 8		21.99	21.78	21.91	23.00	21.87	22.02	21.83	23.00	21.73
3GPP Rel 8		21.88	21.88	21.92	23.00	21.86	22.00	21.69	23.00	21.49
3GPP Rel 8		21.37	21.14	20.94	22.50	21.39	21.29	21.42	22.50	21.39
3GPP Rel 8		21.06	21.35	21.18	22.50	21.47	21.58	21.41	22.50	20.95
3GPP Rel 6		21.81	21.68	21.94	23.00	21.96	21.89	21.93	23.00	21.57
3GPP Rel 6		19.76	19.85	19.86	21.00	20.03	20.05	19.92	21.00	19.83
3GPP Rel 6		20.76	20.74	20.49	22.00	20.96	20.76	20.91	22.00	20.59
3GPP Rel 6		19.55	19.64	19.74	21.00	20.04	19.96	19.96	21.00	19.47
3GPP Rel 6		21.56	21.78	21.91	23.00	21.99	22.09	21.93	23.00	21.51

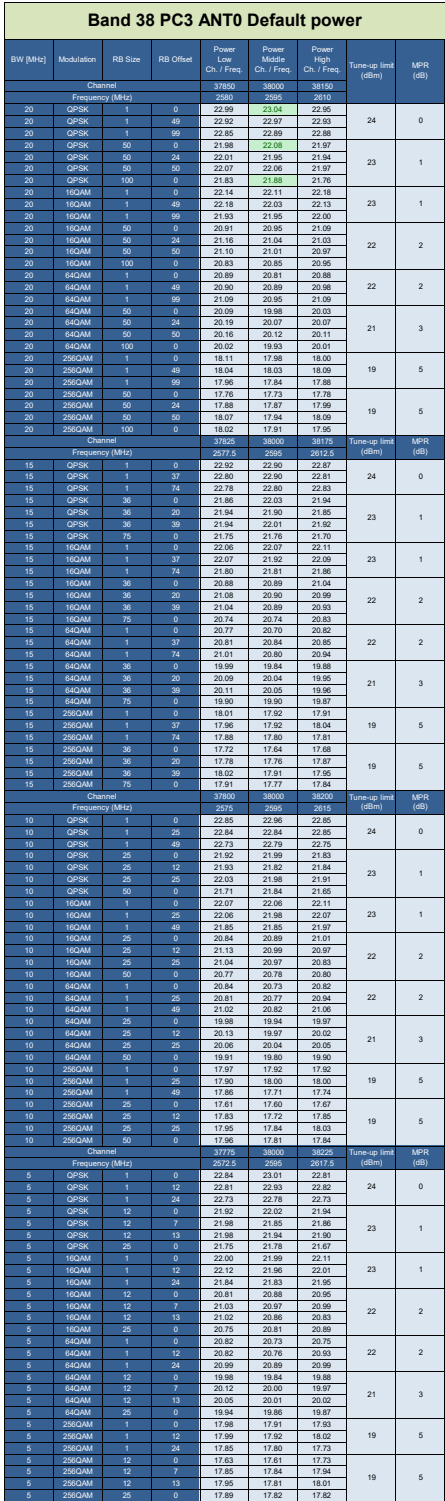
GSM850 ANT1 Default power									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251	128		189	251		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.14	32.17	32.13	33.50	23.14	23.17	23.13	24.50	
GPRS 1 Tx slot	32.13	32.15	32.11	33.50	23.13	23.15	23.11	24.50	
GPRS 2 Tx slots	31.03	30.89	30.85	32.00	25.03	24.89	24.85	26.00	
GPRS 3 Tx slots	29.11	29.13	29.08	30.90	24.85	24.87	24.82	26.64	
GPRS 4 Tx slots	27.52	27.54	27.51	29.50	24.52	24.54	24.51	26.50	
EDGE 1 Tx slot	25.43	25.65	25.53	27.00	16.43	16.65	16.53	18.00	
EDGE 2 Tx slots	24.67	24.58	24.70	26.50	16.67	16.58	16.70	20.50	
EDGE 3 Tx slots	23.19	23.15	23.12	24.50	16.93	16.89	16.86	20.24	
EDGE 4 Tx slots	21.57	21.62	21.51	23.50	16.57	16.62	16.51	20.50	

WCDMA V ANT1 Default power					
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.69	22.71	22.61	24.00
3GPP Rel 99	RMC 12.2Kbps	22.70	22.73	22.63	24.00
3GPP Rel 6	HSDPA Subtest-1	21.73	21.81	21.82	23.00
3GPP Rel 6	HSDPA Subtest-2	21.61	21.77	21.68	23.00
3GPP Rel 6	HSDPA Subtest-3	21.20	21.37	21.27	22.50
3GPP Rel 6	HSDPA Subtest-4	21.17	21.28	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.77	21.82	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.77	21.83	21.74	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.27	21.25	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.20	21.23	21.19	22.50
3GPP Rel 6	HSUPA Subtest-1	21.62	21.63	21.51	23.00
3GPP Rel 6	HSUPA Subtest-2	19.62	19.82	19.82	21.00
3GPP Rel 6	HSUPA Subtest-3	20.70	20.85	20.86	22.00
3GPP Rel 6	HSUPA Subtest-4	19.55	19.42	19.62	21.00
3GPP Rel 6	HSUPA Subtest-5	21.67	21.69	21.76	23.00

Band 2 ANTO Default power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	APR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.25	22.50	22.26	24	0						
20	QPSK	1	49	22.22	22.22	22.22								
20	QPSK	1	99	22.23	22.18	22.19								
20	QPSK	50	0	21.29	21.38	21.10								
20	QPSK	50	24	21.24	21.25	21.24	23	1						
20	QPSK	50	50	21.15	21.08	21.20								
20	QPSK	100	0	21.15	21.21	21.19								
20	16QAM	1	0	21.49	21.37	21.40								
20	16QAM	1	49	21.31	21.32	21.28	23	1						
20	16QAM	1	99	21.23	21.26	21.41								
20	16QAM	50	0	20.16	20.18	20.22								
20	16QAM	50	24	20.18	20.23	20.34								
20	16QAM	50	50	20.26	20.19	20.21	22	2						
20	16QAM	100	0	20.42	20.30	20.26								
20	64QAM	1	0	20.34	20.34	20.47								
20	64QAM	1	49	20.23	20.22	20.27								
20	64QAM	1	99	20.45	20.31	20.30	21	3						
20	64QAM	50	0	19.32	19.26	19.36								
20	64QAM	50	24	19.29	19.22	19.32								
20	64QAM	50	50	19.15	19.18	19.16								
20	64QAM	100	0	19.40	19.33	19.30	19	5						
20	256QAM	1	49	17.46	17.34	17.38								
20	256QAM	1	99	17.26	17.26	17.36								
20	256QAM	50	24	17.38	17.31	17.27								
20	256QAM	50	50	17.40	17.39	17.49	19	5						
20	256QAM	100	0	17.25	17.25	17.25								
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.17	22.23	22.18	24	0						
16	QPSK	1	37	22.18	22.17	22.07								
16	QPSK	1	74	22.09	22.16	22.08								
16	QPSK	36	0	21.21	21.31	21.02								
16	QPSK	36	25	21.18	21.18	21.09	23	1						
16	QPSK	36	39	21.00	21.04	21.09								
16	QPSK	75	0	21.11	21.16	21.14								
16	16QAM	1	0	21.35	21.32	21.32								
16	16QAM	1	37	21.20	21.20	21.25	23	1						
16	16QAM	1	74	21.32	21.24	21.28								
16	16QAM	36	0	20.06	20.05	20.12								
16	16QAM	36	25	20.13	20.11	20.28								
16	16QAM	36	39	20.15	20.18	20.24	22	2						
16	16QAM	75	0	20.34	20.18	20.26								
16	64QAM	1	0	20.20	20.21	20.37								
16	64QAM	1	37	20.15	20.23	20.28								
16	64QAM	1	74	20.32	20.25	20.29	21	3						
16	64QAM	36	0	19.27	19.19	19.25								
16	64QAM	36	25	19.26	19.18	19.21								
16	64QAM	36	39	19.11	19.05	19.02								
16	64QAM	75	0	19.29	19.25	19.17	19	5						
16	256QAM	1	37	17.31	17.29	17.33								
16	256QAM	1	74	17.17	17.19	17.29								
16	256QAM	36	0	17.54	17.54	17.56								
16	256QAM	36	25	17.32	17.21	17.14	19	5						
16	256QAM	36	39	17.38	17.32	17.36								
16	256QAM	75	0	17.08	17.11	17.15								
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.16	22.23	22.18	24	0						
16	QPSK	1	25	22.19	22.14	22.08								
16	QPSK	1	49	22.15	22.11	22.05								
16	QPSK	12	0	21.36	21.32	21.22								
16	QPSK	25	12	21.10	21.17	21.09	23	1						
16	QPSK	25	25	21.10	21.08	21.14								
16	16QAM	1	0	21.36	21.36	21.36								
16	16QAM	1	0	21.37	21.32	21.39								
16	16QAM	1	26	21.24	21.24	21.23	23	1						
16	16QAM	1	49	21.30	21.27	21.30								
16	16QAM	25	0	20.10	20.05	20.13								
16	16QAM	25	12	20.07	20.13	20.29								
16	16QAM	36	0	20.33	20.18	20.28	22	2						
16	16QAM	36	25	20.33	20.18	20.28								
16	16QAM	50	0	20.34	20.34	20.37								
16	16QAM	1	0	20.29	20.30	20.33								
16	64QAM	1	24	20.15	20.15	20.24	22	2						
16	64QAM	1	49	20.34	20.22	20.34								
16	64QAM	25	0	19.27	19.14	19.32								
16	64QAM	25	12	19.17	19.08	19.23								
16	64QAM	25	25	19.07	19.07	19.06	21	3						
16	64QAM	50	0	19.34	19.22	19.22								
16	256QAM	1	26	17.25	17.20	17.23								
16	256QAM	1	26	17.41	17.25	17.36								
16	256QAM	1	49	17.14	17.14	17.27	19	5						
16	256QAM	25	0	17.50	17.48	17.56								
16	256QAM	25	12	17.32	17.28	17.16								
16	256QAM	25	25	17.46	17.36	17.40								
16	256QAM	50	0	17.07	17.13	17.18	19	5						
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.13	22.15	22.15	24	0						
5	QPSK	1	12	22.16	22.13	22.09								
5	QPSK	1	24	22.14	22.12	22.10								
5	QPSK	12	0	21.36	21.32	21.26								
5	QPSK	12	7	21.12	21.13	21.07	23	1						
5	QPSK	12	13	21.11	21.03	21.06								
5	QPSK	25	0	21.11	21.18	21.14								
5	16QAM	1	0	21.40	21.32	21.31								
5	16QAM	1	12	21.27	21.18	21.21	23	1						
5	16QAM	1	24	21.16	21.22	21.32								
5	16QAM	12	0	20.06	20.00	20.15								
5	16QAM	12	7	20.09	20.11	20.29								
5	16QAM	12	13	20.13	20.08	20.27	22	2						
5	16QAM	25	0	20.39	20.20	20.32								
5	64QAM	1	0	20.27	20.28	20.40								
5	64QAM	1	12	20.13	20.18	20.23								
5	64QAM	1	24	20.37	20.16	20.28	21	3						
5	64QAM	12	0	19.18	19.18	19.29								
5	64QAM	12	7	19.20	19.16	19.27								
5	64QAM	12	13	19.02	19.02	19.03								
5	64QAM	25	0	19.33	19.22	19.24	19	5						
5	256QAM	1	12	17.24	17.22	17.24								
5	256QAM	1	12	17.42	17.27	17.37								
5	256QAM	1	24	17.11	17.11	17.22								
5	256QAM	12	0	17.19	17.12	17.20	19	5						
5	256QAM	12	7	17.34	17.28	17.15								
5	256QAM	12	13	17.38	17.32	17.35								
5	256QAM	25	0	17.11	17.18	17.11								

Band 13 ANT0 Default power											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPE (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0		762	763.1	25	0			
15	QPSK	1	25	24.17							
15	QPSK	1	49	24.28							
15	QPSK	25	0	23.33			24	1			
15	QPSK	25	12	23.27							
15	QPSK	25	25	23.30							
15	QPSK	50	0	23.24			24	1			
15	16QAM	1	0	23.28							
15	16QAM	1	49	23.40							
15	16QAM	1	49	23.51			23	2			
15	16QAM	25	0	22.29							
15	16QAM	25	12	22.32							
15	16QAM	25	25	22.40			22	3			
15	16QAM	50	0	22.25							
15	64QAM	1	0	22.40							
15	64QAM	1	25	22.46			23	2			
15	64QAM	1	49	22.58							
15	64QAM	25	0	21.46							
15	64QAM	25	12	21.56			22	3			
15	64QAM	25	25	21.36							
15	64QAM	50	0	21.41							
15	256QAM	1	0	19.52			20	5			
15	256QAM	1	25	19.37							
15	256QAM	1	49	19.52							
15	256QAM	25	12	19.29			20	5			
15	256QAM	25	25	19.43							
15	256QAM	50	0	19.29							
Channel											
Frequency (MHz)											
5	QPSK	1	0	24.30	24.17	24.28	25	0			
5	QPSK	1	12	24.13	24.06	24.19					
5	QPSK	1	24	24.11	24.16	24.14					
5	QPSK	12	0	23.38	23.26	23.29	24	1			
5	QPSK	12	7	23.36	23.32	23.37					
5	QPSK	12	13	23.31	23.19	23.26					
5	QPSK	25	0	23.09	23.12	23.14	24	1			
5	16QAM	1	0	23.60	23.54	23.54					
5	16QAM	1	12	23.49	23.31	23.39					
5	16QAM	1	24	23.48	23.37	23.39	23	2			
5	16QAM	12	0	22.28	22.15	22.21					
5	16QAM	12	7	22.28	22.17	22.15					
5	16QAM	12	13	22.25	22.26	22.27	22	3			
5	16QAM	25	0	22.17	22.11	22.18					
5	64QAM	1	0	22.35	22.34	22.41					
5	64QAM	1	12	22.42	22.39	22.46	22	3			
5	64QAM	1	24	22.29	22.19	22.31					
5	64QAM	12	0	21.38	21.35	21.47					
5	64QAM	12	7	21.41	21.39	21.46	20	5			
5	64QAM	12	13	21.35	21.22	21.19					
5	64QAM	25	0	21.30	21.26	21.27					
5	256QAM	1	0	19.62	19.43	19.47	20	5			
5	256QAM	1	12	19.58	19.45	19.41					
5	256QAM	1	24	19.52	19.46	19.51					
5	256QAM	12	0	19.37	19.26	19.24	20	5			
5	256QAM	12	7	19.29	19.34	19.34					
5	256QAM	12	13	19.46	19.36	19.32					
5	256QAM	25	0	19.36	19.21	19.28					

Band 66 ANT0 Default power												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.64	22.68	22.58	24	0				
20	QPSK	1	49	22.67	22.62	22.59						
20	QPSK	1	99	22.49	22.53	22.55						
20	QPSK	50	0	21.60	21.65	21.62	23	1				
20	QPSK	50	24	21.55	21.55	21.64						
20	QPSK	50	50	21.46	21.46	21.43						
20	QPSK	100	0	21.67	21.70	21.66	23	1				
20	16QAM	1	0	21.47	21.52	21.64						
20	16QAM	1	49	21.63	21.68	21.76						
20	16QAM	1	99	21.60	21.55	21.68	22	2				
20	16QAM	50	0	20.70	20.59	20.66						
20	16QAM	50	24	20.63	20.62	20.59						
20	16QAM	50	50	20.45	20.47	20.44	21	3				
20	16QAM	100	0	20.61	20.65	20.71						
20	64QAM	1	0	20.63	20.55	20.59						
20	64QAM	1	49	20.62	20.73	20.62	22	2				
20	64QAM	1	99	20.68	20.64	20.76						
20	64QAM	50	0	19.73	19.62	19.62						
20	64QAM	50	24	19.76	19.78	19.86	21	3				
20	64QAM	50	50	19.54	19.53	19.65						
20	64QAM	100	0	19.66	19.71	19.68						
20	256QAM	1	0	17.71	17.70	17.62	19	5				
20	256QAM	1	49	17.48	17.50	17.47						
20	256QAM	1	99	17.71	17.66	17.67						
20	256QAM	50	0	17.75	17.74	17.68	19	5				
20	256QAM	50	24	17.81	17.69	17.65						
20	256QAM	50	50	17.86	17.82	17.87						
20	256QAM	100	0	17.68	17.71	17.69	Channel	Tune-up limit (dBm)	MPE (dB)			
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.55	22.36	22.46	24	0				
15	QPSK	1	37	22.58	22.48	22.52						
15	QPSK	1	74	22.34	22.46	22.41						
15	QPSK	36	0	21.51	21.53	21.48	23	1				
15	QPSK	36	20	21.50	21.42	21.60						
15	QPSK	36	36	21.41	21.42	21.30						
15	QPSK	75	0	21.57	21.68	21.58	23	1				
15	16QAM	1	0	21.41	21.41	21.57						
15	16QAM	1	37	21.51	21.63	21.68						
15	16QAM	1	74	21.55	21.47	21.42	22	2				
15	16QAM	36	0	20.61	20.49	20.52						
15	16QAM	36	20	20.56	20.48	20.51						
15	16QAM	36	36	20.43	20.56	20.58	21	3				
15	16QAM	75	0	20.47	20.51	20.66						
15	64QAM	1	0	20.52	20.48	20.50						
15	64QAM	1	37	20.76	20.67	20.73	22	2				
15	64QAM	1	74	20.56	20.50	20.53						
15	64QAM	36	0	19.51	19.51	19.50						
15	64QAM	36	20	19.62	19.66	19.67	21	3				
15	64QAM	36	36	19.51	19.44	19.55						
15	64QAM	75	0	19.56	19.64	19.56						
15	256QAM	1	0	17.61	17.59	17.67	19	5				
15	256QAM	1	37	17.36	17.44	17.40						
15	256QAM	1	74	17.56	17.62	17.52						
15	256QAM	36	0	17.61	17.62	17.71	19	5				
15	256QAM	36	20	17.66	17.53	17.59						
15	256QAM	36	36	17.62	17.73	17.79						
15	256QAM	75	0	17.58	17.66	17.68	Channel	Tune-up limit (dBm)	MPE (dB)			
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.55	22.57	22.44	24	0				
10	QPSK	1	25	22.58	22.56	22.55						
10	QPSK	1	49	22.44	22.49	22.44						
10	QPSK	25	0	21.54	21.56	21.48	23	1				
10	QPSK	25	12	21.47	21.51	21.61						
10	QPSK	25	25	21.43	21.32	21.29						
10	QPSK	50	0	21.54	21.66	21.58	23	1				
10	16QAM	1	0	21.38	21.38	21.57						
10	16QAM	1	25	21.54	21.55	21.63						
10	16QAM	1	49	21.54	21.52	21.58	22	2				
10	16QAM	25	0	20.65	20.47	20.58						
10	16QAM	25	12	20.51	20.48	20.44						
10	16QAM	25	25	20.52	20.74	20.36	22	2				
10	16QAM	50	0	20.54	20.55	20.74						
10	64QAM	1	0	20.51	20.49	20.51						
10	64QAM	1	24	20.76	20.62	20.75	21	3				
10	64QAM	1	4	20.61	20.58	20.64						
10	64QAM	1	8	20.69	20.68	20.75						
10	64QAM	1	12	20.65	20.66	20.72	22	2				
10	64QAM	1	16	20.68	20.69	20.76						
10	64QAM	1	20	20.70	20.71	20.78						
10	64QAM	1	24	20.72	20.73	20.80	21	3				
10	64QAM	1	28	20.74	20.75	20.82						
10	64QAM	1	32	20.76	20.77	20.84						
10	64QAM	1	36	20.78	20.79	20.86	19	5				
10	64QAM	1	40	20.80	20.81	20.87						
10	64QAM	1	44	20.82	20.83	20.90						
10	64QAM	1	48	20.84	20.85	20.92	22	2				
10	64QAM	1	52	20.86	20.87	20.94						
10	64QAM	1	56	20.88	20.89	20.96						
10	64QAM	1	60	20.90	20.91	20.98	21	3				
10	64QAM	1	64	20.92	20.93	21.00						
10	64QAM	1	68	20.94	20.95	21.02						
10	64QAM	1	72	20.96	20.97	21.04	22	2				
10	64QAM	1	76	20.98	20.99	21.06						
10	64QAM	1	80	21.00	21.01	21.08						
10	64QAM	1	84	21.02	21.03	21.10	21	3				
10	64QAM	1	88	21.04	21.05	21.12						
10	64QAM	1	92	21.06	21.07	21.14						
10	64QAM	1	96	21.08	21.09	21.16	22	2				
10	64QAM	1	100	21.10	21.11	21.18						
10	64QAM	1	104	21.12	21.13	21.20						
10	64QAM	1	108	21.14	21.15	21.22	21	3				
10	64QAM	1	112	21.16	21.17	21.24						
10	64QAM	1	116	21.18	21.19	21.26						
10	64QAM	1	120	21.20	21.21	21.28	22	2				
10	64QAM	1	124	21.22	21.23	21.30						
10	64QAM	1	128	21.24	21.25	21.32						
10	64QAM	1	132	21.26	21.27	21.34	21	3				
10	64QAM	1	136	21.28	21.29	21.36						
10	64QAM	1	140	21.30	21.31	21.38						
10	64QAM	1	144	21.32	21.33	21.40	22	2				
10	64QAM	1	148	21.34	21.35	21.42						
10	64QAM	1	152	21.36	21.37	21.44						
10	64QAM	1	156	21.38	21.39	21.46	21	3				
10	64QAM	1	160	21.40	21.41	21.48						
10	64QAM	1	164	21.42	21.43	21.50						
10	64QAM	1	168	21.44	21.45	21.52	22	2				
10	64QAM	1	172	21.46	21.47	21.54						
10	64QAM	1	176	21.48	21.49	21.56						
10	64QAM	1	180	21.50	21.51	21.58	21	3				
10	64QAM	1	184	21.52	21.53	21.60						
10	64QAM	1	188	21.54	21.55	21.62						
10	64QAM	1	192	21.56	21.57	21.64	22	2				
10	64QAM	1	196	21.58	21.59	21.66						
10	64QAM	1	200	21.60	21.61	21.68						
10	64QAM	1	204	21.62	21.63	21.70	21	3				
10	64QAM	1	208	21.64	21.65	21.72						
10	64QAM	1	212	21.66	21.67	21.74						
10	64QAM	1	216	21.68	21.69	21.76	22	2				
10	64QAM	1	220	21.70	21.71	21.78						
10	64QAM	1	224	21.72	21.73	21.80						
10	64QAM	1	228	21.74	21.75	21.82	21	3				
10	64QAM	1	232	21.76	21.77	21.84						
10	64QAM	1	236	21.78	21.79	21.86						
10	64QAM	1	240	21.80	21.81	21.88	22	2				
10	64QAM	1	244	21.82	21.83	21.90						
10	64QAM	1	248	21.84	21.85	21.92						
10	64QAM	1	252	21.86	21.87	21.94	21	3				
10	64QAM	1	256	21.88	21.89	21.96						
10	64QAM	1	260	21.90	21.91	21.98						
10	64QAM	1	264	21.92	21.93	22.00	22	2				
10	64QAM	1	268	21.94	21.95	22.02						
10	64QAM	1	272	21.96	21.97	22.04						
10	64QAM	1	276	21.98	21.99	22.06	21	3				
10	64QAM	1	280	22.00	22.01	22.08						
10	64QAM	1	284	22.02	22.03	22.10						
10	64QAM	1	288	22.04	22.05	22.12	22	2				
10	64QAM	1	292	22.06	22.07	22.14						
10	64QAM	1	296	22.08	22.09	22.16						
10	64QAM	1	300	22.10	22.11	22.18	21	3				
10	64QAM	1	304	22.12	22.13	22.20						
10	64QAM	1	308	22.14	22.15	22.22						
10	64QAM	1	312	22.16	22.17	22.24	22	2				
10	64QAM	1	316	22.18	22.19	22.26						
10	64QAM	1	320	22.20	22.21	22.28						
10	64QAM	1	324	22.22	22.23	22.30	21	3				
10	64QAM	1	328	22.24	22.25	22.32						
10	64QAM	1	332	22.26	22.27	22.34						
10	64QAM	1	336	22.28	22.29	22.36	22	2				
10	64QAM	1	340	22.30	22.31	22.38						
10	64QAM	1	344	22.32	22.33	22.40						
10	64QAM	1	348	22.34	22.35	22.42	21	3				
10	64QAM	1	352	22.36	22.37	22.44						
10	64QAM	1	356	22.38	22.39	22.46						
10	64QAM	1	360	22.40	22.41	22.48	22	2				
10	64QAM	1	364	22.42	22.43	22.50						
10	64QAM	1	368	22.44	22.45	22.52						
10												



Band 38 PC2 ANT0 Default power												
SRV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Power	Turn-up time (s/ff)	MPR (dB)			
Channel				37500	39000	38150	26.00					
Frequency (MHz)				25.775	25.995	26.015						
20	QPSK	1	0	25.28	25.31	25.08						
20	QPSK	1	49	25.22	25.23	25.21		27	0			
20	QPSK	50	0	24.58	24.51	25.10						
20	QPSK	50	0	24.53	24.53	25.08						
20	QPSK	50	24	24.25	24.25	24.23		26	1			
20	QPSK	50	24	24.25	24.28	24.35						
20	QPSK	100	0	24.17	24.23	24.33						
20	16QAM	1	0	24.26	24.42	24.39						
20	16QAM	1	49	24.43	24.43	24.42		26	1			
20	16QAM	1	99	24.40	24.34	24.50						
20	16QAM	50	0	23.24	23.32	23.46						
20	16QAM	50	24	23.39	23.37	23.29		25	2			
20	16QAM	50	24	23.53	23.52	23.43						
20	16QAM	100	0	23.27	23.36	23.30						
20	64QAM	1	0	23.40	23.32	23.34						
20	64QAM	1	49	23.40	23.15	23.22		25	2			
20	64QAM	1	99	23.41	23.42	23.46						
20	64QAM	50	1	22.58	22.48	22.39						
20	64QAM	50	24	22.65	22.48	22.48		24	3			
20	64QAM	50	24	22.32	22.22	22.37						
20	64QAM	100	0	22.46	22.30	22.45						
20	256QAM	1	0	20.52	20.38	20.52						
20	256QAM	1	49	20.53	20.42	20.55		22	5			
20	256QAM	1	99	20.20	20.31	20.34						
20	256QAM	50	0	20.52	20.40	20.29						
20	256QAM	50	24	20.48	20.35	20.35		22	5			
20	256QAM	50	24	20.38	20.22	20.44						
20	256QAM	100	0	20.57	20.34	20.56						
Channel				37775	39000	38025	26.00					
Frequency (MHz)				25.775	25.995	26.015		Turn-up time (s/ff)	MPR (dB)			
15	QPSK	1	0	25.20	25.29	25.22						
15	QPSK	1	37	25.12	25.14	25.15		27	0			
15	QPSK	1	74	25.15	25.11	25.12						
15	QPSK	36	0	24.27	24.34	24.15						
15	QPSK	36	20	24.20	24.23	24.18		26	1			
15	QPSK	36	38	24.20	24.19	24.24						
15	QPSK	36	59	24.31	24.22	24.24						
15	16QAM	1	0	24.38	24.38	24.33		26	1			
15	16QAM	1	37	24.34	24.40	24.32						
15	16QAM	1	74	24.39	24.34	24.39						
15	16QAM	36	0	23.21	23.21	23.33						
15	16QAM	36	20	23.33	23.28	23.42		25	2			
15	16QAM	36	38	23.38	23.47	23.43						
15	16QAM	36	59	23.16	23.25	23.25						
15	64QAM	1	0	23.25	23.28	23.29						
15	64QAM	1	37	23.12	23.11	23.15		25	2			
15	64QAM	1	74	23.24	23.24	23.48						
15	64QAM	36	0	22.25	22.26	22.38						
15	64QAM	36	20	22.44	22.21	22.36		24	3			
15	64QAM	36	38	22.19	22.33	22.37						
15	64QAM	36	59	22.23	22	22.23						
15	256QAM	1	0	20.51	20.34	20.40						
15	256QAM	1	37	20.43	20.37	20.41		22	5			
15	256QAM	1	74	20.29	20.32	20.34						
15	256QAM	36	0	20.33	20.37	20.37						
15	256QAM	36	20	20.36	20.43	20.38		22	5			
15	256QAM	36	38	20.42	20.34	20.37						
15	256QAM	75	0	20.34	20.51	20.47						
Channel				37775	39000	38025	26.00					
Frequency (MHz)				25.775	25.995	26.015		Turn-up time (s/ff)	MPR (dB)			
10	QPSK	1	0	25.15	25.23	25.21						
10	QPSK	1	49	25.29	25.08	25.16		27	0			
10	QPSK	1	49	25.14	25.17	25.03						
10	QPSK	25	0	24.19	24.30	24.28						
10	QPSK	25	12	24.02	24.08	24.26		26	1			
10	QPSK	25	12	24.23	24.11	24.25						
10	QPSK	50	0	24.08	24.15	24.02						
10	16QAM	1	0	24.29	24.35	24.45		26	1			
10	16QAM	1	25	24.26	24.29	24.23						
10	16QAM	1	49	24.41	24.39	24.41						
10	16QAM	25	0	23.38	23.28	23.44						
10	16QAM	25	12	23.32	23.29	23.26		25	2			
10	16QAM	25	12	23.48	23.46	23.34						
10	16QAM	50	0	23.32	23.08	23.27						
10	64QAM	1	0	23.16	23.11	23.36						
10	64QAM	1	25	23.23	23.28	23.02		25	2			
10	64QAM	1	49	23.43	23.43	23.43						
10	64QAM	25	0	22.34	22.34	22.35						
10	64QAM	25	12	22.49	22.29	22.29		24	3			
10	64QAM	25	25	22.21	22.34	22.34						
10	64QAM	25	25	22.16	22.21	22.17						
10	256QAM	1	0	20.35	20.35	20.47						
10	256QAM	1	25	20.35	20.49	20.42		22	5			
10	256QAM	1	49	20.23	20.16	20.21						
10	256QAM	25	0	20.63	20.30	20.25						
10	256QAM	25	12	20.30	20.56	20.50		22	5			
10	256QAM	25	25	20.49	20.39	20.29						
10	256QAM	60	0	20.54	20.48	20.48						
Channel				37775	39000	38025	26.00					
Frequency (MHz)				25.775	25.995	26.015		Turn-up time (s/ff)	MPR (dB)			
5	QPSK	1	0	25.10	25.12	25.16						
5	QPSK	1	12	25.11	25.27	25.22		27	0			
5	QPSK	1	24	25.13	25.17	25.03						
5	QPSK	12	0	24.28	24.19	24.10						
5	QPSK	12	13	24.19	24.22	24.31		26	1			
5	QPSK	12	13	24.27	24.34	24.33						
5	QPSK	25	0	24.18	24.06	24.07						
5	16QAM	1	0	24.27	24.18	24.42		26	1			
5	16QAM	1	12	24.21	24.32	24.33						
5	16QAM	1	24	24.36	24.17	24.53						
5	16QAM	12	0	23.16	23.24	23.45						
5	16QAM	12	13	23.41	23.49	23.38		25	2			
5	16QAM	12	13	23.40	23.41	23.38						
5	16QAM	25	0	23.24	23.22	23.45						
5	64QAM	1	0	23.31	23.22	23.43		25	2			
5	64QAM	1	12	23.28	23.23	23.43						
5	64QAM	1	24	23.28	23.23	23.32						
5	64QAM	12	0	22.42	22.23	22.36						
5	64QAM	12	7	22.52	22.26	22.47		24	3			
5	64QAM	12	13	22.24	22.24	22.24						
5	64QAM	25	0	22.21	22.10	22.33						
5	256QAM	1	0	20.56	20.39	20.38						
5	256QAM	1	12	20.38	20.27	20.38		22	5			
5	256QAM	1	24	20.28	20.24	20.34						
5	256QAM	12	0	20.50	20.23	20.44						
5	256QAM	12	7	20.50	20.47	20.40						
5	256QAM	12	13	20.19	20.14	20.34		22	5			
5	256QAM	25	0	20.50	20.47	20.38						

Band 41 PC3 ANT0 Default power											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Power Middle Ch / Freq	Power Power High Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MPR (db)	
Channel				39750	40185	40620	41005	41460			
Frequency (MHz)				2606	2648.5	2693	2693	2693			
20	QPSK	1	0	22.84	22.95	23.05	22.90	22.86			
20	QPSK	1	49	23.01	22.98	22.96	22.95	22.97	24	0	
20	QPSK	1	99	22.95	22.93	22.87	22.86	22.86			
20	QPSK	50	0	22.00	21.88	22.10	21.87	21.89			
20	QPSK	50	24	21.96	21.86	21.87	21.83	21.83	23	1	
20	QPSK	50	50	21.85	22.13	22.03	21.97	22.05			
20	QPSK	100	0	21.95	21.82	22.06	21.82	21.98			
20	16QAM	1	0	22.12	22.13	22.11	22.92	22.92			
20	16QAM	1	49	22.10	22.04	22.06	22.14	22.15	23	1	
20	16QAM	1	99	22.09	21.92	21.97	22.05	21.99			
20	16QAM	50	0	20.93	20.98	20.91	20.91	20.91			
20	16QAM	50	24	20.89	20.78	20.83	20.95	20.85	22	2	
20	16QAM	50	50	20.80	20.74	20.76	20.88	20.85			
20	16QAM	100	0	20.93	20.98	20.96	20.97	20.98			
20	64QAM	1	0	20.78	20.88	20.83	20.78	20.78			
20	64QAM	1	49	20.15	20.91	20.95	20.93	21.10	22	2	
20	64QAM	1	99	20.91	20.88	20.84	20.86	20.86			
20	64QAM	50	0	18.95	20.28	18.94	20.89	20.68			
20	64QAM	50	24	20.12	20.22	20.09	20.87	20.89			
20	64QAM	50	50	20.07	20.08	20.03	20.03	20.00	21	3	
20	64QAM	100	0	19.94	19.99	18.95	19.94	19.99			
20	256QAM	1	0	17.94	17.83	17.83	17.89	17.87			
20	256QAM	1	49	18.09	17.95	17.97	17.97	17.92	19	5	
20	256QAM	1	99	17.96	18.02	17.91	18.02	17.93			
20	256QAM	50	0	17.96	18.03	17.95	18.02	18.01			
20	256QAM	50	24	17.92	17.88	17.87	17.91	17.95	19	5	
20	256QAM	50	50	18.20	18.11	18.13	18.27	18.26			
20	256QAM	100	0	18.06	18.09	18.06	18.10	18.01			
Channel				39750	40185	40620	41005	41460	Turn-on time (dBm)	MPR (db)	
Frequency (MHz)				2606	2553.5	2563.3	2693.7	2692.5			
15	QPSK	1	0	22.74	22.86	22.90	22.86	22.76			
15	QPSK	1	37	22.95	22.93	22.93	22.80	22.84	24	0	
15	QPSK	1	74	22.89	22.89	22.82	22.76	22.73			
15	QPSK	36	0	21.89	21.84	22.08	21.79	21.89			
15	QPSK	36	20	21.83	21.82	21.79	21.76	21.69	23	1	
15	QPSK	36	39	21.78	22.09	21.98	21.80	21.90			
15	QPSK	75	0	21.91	21.80	21.89	21.87	21.89			
15	16QAM	1	0	21.97	21.99	22.05	22.01	22.10			
15	16QAM	1	37	22.20	21.97	22.00	22.04	22.03	23	1	
15	16QAM	1	74	21.86	21.82	21.86	21.80	21.76			
15	16QAM	36	0	20.87	20.78	20.84	20.90	20.90			
15	16QAM	36	20	20.79	20.72	20.68	20.78	20.72	22	2	
15	16QAM	36	39	20.66	20.61	20.68	20.78	20.72			
15	16QAM	75	0	20.80	20.86	20.85	20.85	20.85			
15	64QAM	1	0	20.87	20.82	20.77	20.77	20.63			
15	64QAM	1	37	20.91	20.86	20.80	20.89	21.04	22	2	
15	64QAM	1	74	20.83	20.84	20.75	20.72	20.78			
15	64QAM	36	0	19.98	19.98	19.95	19.95	19.86			
15	64QAM	36	20	20.06	20.18	19.99	20.05	20.11	21	3	
15	64QAM	36	39	20.02	20.00	19.88	19.95	19.91			
15	64QAM	75	0	19.90	19.90	19.87	19.87	19.89			
15	256QAM	1	0	17.89	17.78	17.82	17.93	17.92			
15	256QAM	1	37	18.05	17.83	17.84	17.85	17.80	19	5	
15	256QAM	1	74	17.91	17.98	17.80	17.94	17.87			
15	256QAM	36	0	17.84	17.84	17.84	17.89	17.85			
15	256QAM	36	20	17.84	17.81	17.77	17.88	17.90	19	5	
15	256QAM	36	39	18.15	18.01	18.00	18.22	18.18			
15	256QAM	75	0	17.95	18.01	17.93	18.00	17.91			
Channel				2501 <th>2547<th>2593<th>2639<th>2685</th><th>Turn-on time (dBm)</th><th>MPR (db)</th></th></th></th>	2547 <th>2593<th>2639<th>2685</th><th>Turn-on time (dBm)</th><th>MPR (db)</th></th></th>	2593 <th>2639<th>2685</th><th>Turn-on time (dBm)</th><th>MPR (db)</th></th>	2639 <th>2685</th> <th>Turn-on time (dBm)</th> <th>MPR (db)</th>	2685	Turn-on time (dBm)	MPR (db)	
Frequency (MHz)				2501 <th>2459.5</th> <th>2469.3<th>2593.7<th>2592.5</th><th></th><th></th></th></th>	2459.5	2469.3 <th>2593.7<th>2592.5</th><th></th><th></th></th>	2593.7 <th>2592.5</th> <th></th> <th></th>	2592.5			
10	QPSK	1	0	22.81	22.89	22.93	22.90	22.73			
10	QPSK	1	24	22.98	22.98	22.92	22.83	22.82	24	0	
10	QPSK	1	49	22.88	22.82	22.77	22.84	22.75			
10	QPSK	25	0	21.93	21.82	22.05	21.82	21.88			
10	QPSK	25	12	21.92	21.76	21.79	21.71	21.73	23	1	
10	QPSK	25	24	21.71	21.77	21.82	21.82	21.86			
10	QPSK	50	0	21.90	21.82	21.95	21.91	21.90			
10	16QAM	1	0	22.00	22.09	21.96	22.06	22.11			
10	16QAM	1	25	22.01	21.90	21.93	22.11	22.11			
10	16QAM	1	49	22.01	21.82	21.82	21.81	21.81	23	2	
10	16QAM	25	0	20.83	20.81	20.78	20.88	20.75			
10	16QAM	25	12	20.85	20.69	20.71	20.85	20.73	22	2	
10	16QAM	25	24	20.69	20.64	20.63	20.72	20.75			
10	16QAM	50	0	20.89	20.83	20.90	20.86	20.84			
10	64QAM	1	0	20.70	20.76	20.71	20.76	20.65			
10	64QAM	1	25	20.97	20.77	20.82	20.79	21.06	22	2	
10	64QAM	1	49	20.85	20.82	20.75	20.73	20.82			
10	64QAM	25	0	19.85	20.02	19.87	19.81	19.04			
10	64QAM	25	12	20.01	20.08	19.95	19.96	20.23	21	3	
10	64QAM	25	25	19.95	19.97	19.88	19.91	19.93			
10	64QAM	50	0	19.81	19.87	19.87	19.90	19.91			
10	256QAM	1	0	17.88	17.76	17.77	17.85	17.91			
10	256QAM	1	25	17.95	17.89	17.86	17.86	17.89	19	5	
10	256QAM	1	49	17.93	17.93	17.89	17.93	17.93			
10	256QAM	25	0	17.88	17.91	17.87	17.97	17.98			
10	256QAM	25	12	17.89	17.78	17.81	17.79	17.86	19	5	
10	256QAM	25	25	18.07	18.04	18.00	18.16	18.18			
10	256QAM	50	0	17.96	18.00	17.90	17.98	17.97			
Channel				2467.5	2414.8	2460.3	2490.3	2490.5	Turn-on time (dBm)	MPR (db)	
Frequency (MHz)				2467.5	2546.5	2593 <th>2640.30</th> <th>2697.5</th> <th></th> <th></th>	2640.30	2697.5			
5	QPSK	1	0	22.78	22.89	22.95	22.89	22.82			
5	QPSK	1	12	22.88	22.86	22.85	22.88	22.84	24	0	
5	QPSK	1	24	22.82	22.82	22.77	22.88	22.78			
5	QPSK	12	0	21.91	21.76	22.04	21.82	21.95			
5	QPSK	12	7	21.87	21.77	21.81	21.81	21.74	23	1	
5	QPSK	12	13	21.71	22.04	21.93	21.90	22.01			
5	QPSK	25	0	21.91	21.83	21.94	21.94	21.98			
5	16QAM	1	0	22.08	22.02	21.98	22.03	22.10			
5	16QAM	1	12	21.98	21.85	21.86	22.02	22.05	23	1	
5	16QAM	1	24	21.99	21.83	21.87	21.84	21.85			
5	16QAM	12	0	20.82	20.81	20.79	20.88	20.82			
5	16QAM	12	7	20.76	20.74	20.80	20.84	20.80	22	2	
5	16QAM	12	13	20.68	20.61	20.73	20.81	20.73			
5	16QAM	25	0	20.85	20.95	20.85	20.91	20.93			
5	64QAM	1	0	20.65	20.85	20.71	20.85	20.65			
5	64QAM	1	12	20.95	20.82	20.91	20.82	20.91	22	2	
5	64QAM	1	24	20.84	20.80	20.78	20.79	20.72			
5	64QAM	12	0	19.86	20.00	19.89	19.78	19.94			
5	64QAM	12	7	20.08	20.09	19.99	20.02	20.07	21	3	
5	64QAM	12	13	19.97	19.97	19.89	19.97	19.97			
5	256QAM	1	0	19.84	19.84	19.72	19.83	19.86			
5	256QAM	1	12	18.02	17.71	17.76	17.93	17.82	19	5	
5	256QAM	1	24	17.82	17.82	17.77	17.94	17.83			
5	256QAM	12	0	17.89	17.95	17.91	17.98	17.91			
5	256QAM	12	7	17.76	17.79	17.74	17.79	17.86			
5	256QAM	12	13	18.15	18.03	18.03	18.13	18.20	19	5	
5	256QAM	25	0	17.95	17.99	17.93	18.02	17.91			

Band 41 PC2 ANT0 Default power											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40602	41055	41590	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606	2649.5	2693	2736.5	2780			
20	QPSK	1	0	25.26	25.23	25.33	25.25	25.17	27	0	
20	QPSK	1	49	25.26	25.27	25.28	25.12	25.19			
20	QPSK	1	99	25.12	25.18	25.13	25.11	25.18			
20	QPSK	50	0	24.33	24.23	24.33	24.34	24.25			
20	QPSK	50	24	24.36	24.39	24.34	24.37	24.35			
20	QPSK	50	50	24.27	24.38	24.33	24.41	24.38	26	1	
20	QPSK	100	0	24.19	24.23	24.38	24.38	24.29			
20	16QAM	1	0	24.58	24.70	24.62	24.77	24.75			
20	16QAM	1	49	24.69	24.60	24.53	24.65	24.66			
20	16QAM	1	99	24.49	24.50	24.46	24.56	24.46			
20	16QAM	50	0	23.45	23.44	23.44	23.44	23.49	25	2	
20	16QAM	50	24	23.60	23.64	23.51	23.56	23.65			
20	16QAM	50	50	23.40	23.44	23.38	23.38	23.33			
20	16QAM	100	0	23.39	23.31	23.39	23.36	23.34			
20	64QAM	1	0	23.67	23.59	23.68	23.71	23.68			
20	64QAM	1	49	23.66	23.71	23.54	23.52	23.59	25	2	
20	64QAM	1	99	23.67	23.70	23.61	23.71	23.70			
20	64QAM	50	0	22.60	22.53	22.46	22.53	22.55			
20	64QAM	50	24	22.48	22.32	22.33	22.30	22.30			
20	64QAM	50	50	22.41	22.28	22.30	22.47	22.37			
20	64QAM	100	0	22.45	22.48	22.39	22.53	22.34	24	3	
20	256QAM	1	0	20.50	20.51	20.51	20.54	20.49			
20	256QAM	1	49	20.50	20.36	20.39	20.47	20.37			
20	256QAM	1	99	20.41	20.39	20.34	20.45	20.43			
20	256QAM	50	0	20.44	20.47	20.47	20.53	20.45			
20	256QAM	50	24	20.52	20.47	20.40	20.37	20.40	22	5	
20	256QAM	50	50	20.42	20.37	20.25	20.32	20.35			
20	256QAM	100	0	20.37	20.31	20.27	20.35	20.45			
Channel				39725	40173	40602	41098	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2603.5	2648.3	2693.5	2740.7	2785.5			
15	QPSK	1	0	25.14	25.09	25.22	25.14	25.08	27.00	0	
15	QPSK	1	37	25.17	25.18	25.16	25.01	25.11			
15	QPSK	1	74	25.03	25.09	25.01	25.06	25.10			
15	QPSK	36	0	24.18	24.13	24.32	24.27	24.14			
15	QPSK	36	20	24.24	24.32	24.20	24.29	24.26			
15	QPSK	36	36	24.19	24.24	24.20	24.28	24.29	26	1	
15	QPSK	75	0	24.07	24.16	24.30	24.22	24.19			
15	16QAM	1	0	24.50	24.60	24.53	24.64	24.63			
15	16QAM	1	37	24.61	24.45	24.43	24.50	24.54			
15	16QAM	1	74	24.38	24.35	24.38	24.44	24.39			
15	16QAM	36	0	23.36	23.33	23.33	23.31	23.37	25	2	
15	16QAM	36	20	23.40	23.50	23.43	23.45	23.53			
15	16QAM	36	36	23.30	23.32	23.24	23.26	23.24			
15	16QAM	75	0	23.25	23.21	23.28	23.27	23.28			
15	64QAM	1	0	23.55	23.49	23.56	23.61	23.57			
15	64QAM	1	37	23.57	23.63	23.46	23.38	23.51	25	2	
15	64QAM	1	74	23.54	23.56	23.47	23.62	23.62			
15	64QAM	36	0	22.50	22.45	22.32	22.41	22.45			
15	64QAM	36	20	22.37	22.22	22.21	22.16	22.23			
15	64QAM	36	36	22.31	22.20	22.20	22.34	22.29			
15	64QAM	75	0	22.30	22.34	22.25	22.44	22.26	24	3	
15	256QAM	1	0	20.42	20.43	20.40	20.43	20.40			
15	256QAM	1	37	20.38	20.25	20.27	20.34	20.28			
15	256QAM	1	74	20.34	20.25	20.25	20.32	20.32			
15	256QAM	36	0	20.34	20.33	20.37	20.44	20.30			
15	256QAM	36	20	20.41	20.39	20.29	20.30	20.32	22	5	
15	256QAM	36	36	20.34	20.29	20.18	20.22	20.22			
15	256QAM	75	0	20.28	20.16	20.14	20.27	20.33			
Channel				39700	40169	40602	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2601	2651	2693	2739	2785			
10	QPSK	1	0	25.19	25.11	25.24	25.17	25.04	27.00	0	
10	QPSK	1	25	25.14	25.16	25.11	25.28	25.06			
10	QPSK	1	49	25.01	25.03	25.19	25.03	25.07			
10	QPSK	25	0	24.26	24.11	24.34	24.22	24.12			
10	QPSK	25	12	24.22	24.31	24.24	24.25	24.27			
10	QPSK	25	25	24.20	24.29	24.21	24.31	24.25	26	1	
10	QPSK	50	0	24.12	24.08	24.30	24.26	24.19			
10	16QAM	1	0	24.49	24.47	24.48	24.66	24.67			
10	16QAM	1	25	24.58	24.46	24.42	24.54	24.53			
10	16QAM	1	49	24.36	24.42	24.34	24.49	24.37			
10	16QAM	25	0	23.33	23.34	23.30	23.33	23.41	25	2	
10	16QAM	25	12	23.46	23.36	23.37	23.46	23.51			
10	16QAM	25	25	23.26	23.33	23.27	23.30	23.24			
10	16QAM	50	0	23.28	23.21	23.30	23.23	23.26			
10	64QAM	1	0	23.60	23.52	23.46	23.60	23.53			
10	64QAM	1	25	23.51	23.62	23.39	23.39	23.48	25	2	
10	64QAM	1	49	23.58	23.61	23.51	23.62	23.61			
10	64QAM	25	0	22.47	22.41	22.38	22.40	22.45			
10	64QAM	25	12	22.35	22.20	22.19	22.20	22.19			
10	64QAM	25	25	22.30	22.16	22.16	22.36	22.24			
10	64QAM	50	0	22.36	22.40	22.25	22.39	22.25	22	5	
10	256QAM	1	0	20.40	20.38	20.38	20.39	20.39			
10	256QAM	1	25	20.35	20.23	20.29	20.35	20.23			
10	256QAM	1	49	20.27	20.24	20.23	20.34	20.36			
10	256QAM	25	0	20.36	20.40	20.37	20.39	20.36			
10	256QAM	25	12	20.40	20.38	20.27	20.23	20.26	22	5	
10	256QAM	25	25	20.31	20.26	20.16	20.19	20.24			
10	256QAM	50	0	20.26	20.24	20.20	20.25	20.32			
Channel				39675	40148	40602	41080	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2468.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	25.16	25.08	25.19	25.13	25.05	27.00	0	
5	QPSK	1	12	25.13	25.18	25.18	25.09	25.11			
5	QPSK	1	24	25.04	25.06	25.01	25.04	25.10			
5	QPSK	12	0	24.23	24.13	24.29	24.19	24.15			
5	QPSK	12	7	24.24	24.27	24.22	24.27	24.23			
5	QPSK	12	13	24.13	24.29	24.19	24.31	24.31	26	1	
5	QPSK	25	0	24.04	24.08	24.29	24.23	24.18			
5	16QAM	1	0	24.48	24.58	24.50	24.68	24.62			
5	16QAM	1	12	24.58	24.52	24.42	24.53	24.59			
5	16QAM	1	24	24.38	24.38	24.34	24.48	24.32			
5	16QAM	12	0	23.32	23.36	23.29	23.37	23.37	25	2	
5	16QAM	12	7	23.52	23.57	23.42	23.45	23.51			
5	16QAM	12	13	23.26	23.30	23.31	23.27	23.23			
5	16QAM	25	0	23.31	23.17	23.27	23.24	23.20			
5	64QAM	1	0	23.55	23.52	23.46	23.63	23.57	25	2	
5	64QAM	1	12	23.51	23.63	23.46	23.38	23.51			
5	64QAM	1	24	23.56	23.59	23.54	23.62	23.57			
5	64QAM	12	0	22.51	22.38	22.26	22.40	22.42			
5	64QAM	12	7	22.37	22.19	22.21	22.19	22.15	24	3	
5	64QAM	12	13	22.29	22.16	22.16	22.38	22.28			
5	64QAM	25	0	22.36	22.37	22.30	22.41	22.23			
5	256QAM	1	0	20.36	20.44	20.43	20.46	20.38			
5	256QAM	1	12	20.39	20.25	20.26	20.38	20.28	22	5	
5	256QAM	1	24	20.28	20.24	20.24	20.31	20.28			
5	256QAM	12	0	20.29	20.36	20.39	20.41	20.33			
5	256QAM	12	7	20.41	20.39	20.27	20.27	20.31			
5	256QAM	25	0	20.28	20.36	20.16	20.18	20.27	22	5	
5	256QAM	25	0	20.22	20.23	20.17	20.27	20.30			

Band 2 ANT1 Default power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 18000	Power Mid Ch./Freq. 18600	Power High Ch./Freq. 19100	Turnup time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.48	22.50	22.48	24	0						
20	QPSK	1	49	22.45	22.39	22.35								
20	QPSK	1	99	22.33	22.33	22.38								
20	QPSK	50	0	21.34	21.36	21.33								
20	QPSK	50	24	21.21	21.28	21.28	23	1						
20	QPSK	50	50	21.25	21.28	21.33								
20	QPSK	100	0	21.23	21.34	21.32								
20	16QAM	1	0	21.38	21.38	21.27								
20	16QAM	1	49	21.22	21.34	21.28	23	1						
20	16QAM	1	99	21.34	21.35	21.27								
20	16QAM	50	0	20.30	20.34	20.32								
20	16QAM	50	24	20.31	20.28	20.29								
20	16QAM	50	50	20.36	20.26	20.29	22	2						
20	16QAM	100	0	20.34	20.31	20.24								
20	64QAM	1	0	20.17	20.28	20.21								
20	64QAM	1	49	20.31	20.29	20.22								
20	64QAM	50	0	20.23	20.27	20.19	22	2						
20	64QAM	50	0	19.33	19.22	19.35								
20	64QAM	50	24	19.29	19.05	19.31								
20	64QAM	50	50	19.31	19.33	19.20								
20	256QAM	1	0	17.30	17.28	17.34	19	5						
20	256QAM	1	49	17.28	17.25	17.31								
20	256QAM	1	99	17.29	17.30	17.29								
20	256QAM	50	0	17.33	17.40	17.35								
20	256QAM	50	24	17.15	17.29	17.28								
20	256QAM	50	50	17.33	17.29	17.27								
20	256QAM	100	0	17.23	17.29	17.29								
Channel														
Frequency (MHz)														
18	QPSK	1	0	22.29	22.32	22.28	24	0						
18	QPSK	1	37	22.27	22.28	22.28								
18	QPSK	1	74	22.18	22.28	22.31								
18	QPSK	36	0	21.27	21.22	21.12								
18	QPSK	36	39	21.12	21.20	21.09	23	1						
18	QPSK	36	39	21.14	21.20	21.15								
18	QPSK	75	0	21.16	21.19	21.21								
18	16QAM	1	0	21.24	21.18	21.23								
18	16QAM	1	37	21.07	21.17	21.18	23	1						
18	16QAM	1	74	21.30	21.28	21.24								
18	16QAM	36	0	20.13	20.07	20.10								
18	16QAM	36	39	20.21	20.19	20.19								
18	16QAM	75	0	20.23	20.25	20.13	22	2						
18	16QAM	75	0	20.23	20.25	20.13								
18	64QAM	1	0	20.07	20.28	20.20								
18	64QAM	1	37	20.16	20.27	20.17								
18	64QAM	1	74	20.26	20.21	20.25	22	2						
18	64QAM	36	0	19.16	19.13	19.12								
18	64QAM	36	39	19.14	19.16	19.14								
18	64QAM	36	39	19.05	19.21	19.24								
18	64QAM	75	0	19.18	19.13	19.16	19	5						
18	256QAM	1	0	17.33	17.37	17.34								
18	256QAM	1	37	17.27	17.27	17.23								
18	256QAM	1	74	17.29	17.35	17.38								
18	256QAM	36	0	17.33	17.36	17.31	19	5						
18	256QAM	36	39	17.28	17.33	17.32								
18	256QAM	36	39	17.28	17.33	17.32								
18	256QAM	75	0	17.20	17.30	17.33								
Channel														
Frequency (MHz)														
18	QPSK	1	0	22.27	22.30	22.26	24	0						
18	QPSK	1	12	22.37	22.35	22.37								
18	QPSK	1	24	22.20	22.27	22.21								
18	QPSK	12	0	21.17	21.26	21.25								
18	QPSK	12	7	21.11	21.14	21.10	23	1						
18	QPSK	12	13	21.10	21.18	21.15								
18	QPSK	25	0	21.21	21.34	21.31								
18	16QAM	1	0	21.18	21.18	21.13								
18	16QAM	1	12	21.01	21.23	21.20	23	1						
18	16QAM	1	24	21.13	21.27	21.11								
18	16QAM	12	0	20.16	20.29	20.07								
18	16QAM	12	7	20.18	20.13	20.21								
18	16QAM	12	13	20.27	20.21	20.17	22	2						
18	16QAM	25	0	20.27	20.12	20.12								
18	64QAM	1	0	20.12	20.11	20.20								
18	64QAM	1	12	20.08	20.18	20.15								
18	64QAM	1	24	20.07	20.12	20.11	22	2						
18	64QAM	12	0	19.20	19.12	19.25								
18	64QAM	12	7	19.16	19.17	19.18								
18	64QAM	12	13	19.19	19.23	19.17								
18	64QAM	25	0	19.08	19.12	19.17	19	5						
18	256QAM	1	0	17.32	17.30	17.33								
18	256QAM	1	12	17.27	17.27	17.33								
18	256QAM	1	24	17.34	17.31	17.36								
18	256QAM	12	0	17.38	17.29	17.23	19	5						
18	256QAM	12	7	17.30	17.29	17.27								
18	256QAM	12	13	17.20	17.35	17.32								
18	256QAM	25	0	17.24	17.29	17.29								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.27	22.30	22.25	24	0						
3	QPSK	1	8	22.34	22.27	22.14								
3	QPSK	1	14	22.29	22.28	22.25								
3	QPSK	8	0	21.16	21.22	21.21								
3	QPSK	8	4	21.21	21.13	21.07	23	1						
3	QPSK	8	7	21.19	21.14	21.12								
3	QPSK	15	0	21.15	21.25	21.19								
3	16QAM	1	0	21.29	21.13	21.16								
3	16QAM	1	8	21.16	21.19	21.19	23	1						
3	16QAM	1	14	21.17	21.15	21.18								
3	16QAM	8	0	20.15	20.15	20.04								
3	16QAM	8	4	20.21	20.23	20.22								
3	16QAM	15	0	20.21	20.22	20.19	22	2						
3	16QAM	15	0	20.29	20.24	20.15								
3	16QAM	1	0	20.12	20.16	20.11								
3	64QAM	1	0	20.21	20.19	20.14								
3	64QAM	1	14	20.07	20.17	20.06	22	2						
3	64QAM	8	0	19.13	19.13	19.19								
3	64QAM	8	4	19.15	19.14	19.13								
3	64QAM	8	7	19.22	19.15	19.16								
3	64QAM	15	0	17.31	17.30	17.22	21	3						
3	256QAM	1	0	17.21	17.30	17.22								
3	256QAM	1	8	17.31	17.28	17.23								
3	256QAM	1	14	17.34	17.30	17.28								
3	256QAM	8	0	17.40	17.32	17.24	19	5						
3	256QAM	8	4	17.24	17.22	17.21								
3	256QAM	8	7	17.28	17.31									

Band 7 ANT1 Default power											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (MHz)	Power Middle Ch / Freq. (MHz)	Power High Ch / Freq. (MHz)	Time-up limit (sec)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.95	22.98	22.91	24	0			
20	QPSK	1	49	22.84	22.81	22.77					
20	QPSK	1	99	22.70	22.68	22.81					
20	QPSK	50	0	21.96	22.05	22.50					
20	QPSK	50	24	21.92	22.01	21.88	23	1			
20	QPSK	50	50	21.87	22.04	21.90					
20	QPSK	100	0	22.02	22.10	21.98					
20	16QAM	1	0	21.89	21.94	21.90					
20	16QAM	1	49	22.02	21.87	22.00	23	1			
20	16QAM	1	99	22.04	22.04	22.15					
20	16QAM	50	0	21.94	20.97	21.91					
20	16QAM	50	24	21.03	20.93	20.92					
20	16QAM	50	50	21.04	20.97	21.90	22	2			
20	16QAM	100	0	20.97	20.94	21.91					
20	64QAM	1	0	20.85	20.89	21.91					
20	64QAM	1	49	20.79	20.84	20.96					
20	64QAM	1	99	20.91	20.77	20.78	21	3			
20	64QAM	50	0	19.89	19.92	19.98					
20	64QAM	50	24	20.01	19.96	19.94					
20	64QAM	50	50	20.18	20.05	20.03					
20	64QAM	100	0	20.02	20.04	20.03	19	5			
20	256QAM	1	49	17.89	17.89	17.85					
20	256QAM	1	99	17.85	17.84	17.81					
20	256QAM	50	24	18.02	17.99	17.94					
20	256QAM	50	50	18.07	18.02	17.99	19	5			
20	256QAM	100	0	17.92	17.97	17.95					
20	256QAM	100	0	20.02	21.03	21.01					
Channel											
Frequency (MHz)											
18	QPSK	1	0	22.71	22.94	22.88	24	0			
18	QPSK	1	49	22.78	22.78	22.92					
18	QPSK	1	74	22.67	22.81	22.83					
18	QPSK	36	0	21.98	21.85	21.97					
18	QPSK	36	20	22.07	21.80	22.07	23	1			
18	QPSK	36	36	21.95	21.95	22.04					
18	QPSK	75	0	22.01	21.86	21.87					
18	16QAM	1	0	21.84	21.85	21.80					
18	16QAM	1	37	21.94	21.73	21.80	23	1			
18	16QAM	1	74	21.89	21.83	22.01					
18	16QAM	36	0	20.97	20.88	20.87					
18	16QAM	36	20	20.96	20.88	20.80					
18	16QAM	36	36	20.94	20.85	20.84	22	2			
18	16QAM	75	0	20.84	20.83	20.94					
18	64QAM	1	0	20.79	20.82	20.94					
18	64QAM	1	37	20.89	20.72	20.78					
18	64QAM	1	74	20.72	20.71	20.68	21	3			
18	64QAM	36	0	19.78	19.81	19.89					
18	64QAM	36	20	19.76	19.87	19.85					
18	64QAM	36	36	20.13	19.91	19.91					
18	64QAM	75	0	19.91	19.84	19.95	19	5			
18	256QAM	1	37	17.84	17.90	17.84					
18	256QAM	1	74	17.89	17.83	17.81					
18	256QAM	36	20	17.88	17.86	17.78					
18	256QAM	36	36	17.82	17.88	17.91	19	5			
18	256QAM	75	0	17.82	17.86	17.78					
18	256QAM	75	0	20.02	21.03	21.01					
Channel											
Frequency (MHz)											
18	QPSK	1	0	22.68	22.70	22.70	24	0			
18	QPSK	1	25	22.75	22.70	22.71					
18	QPSK	1	49	22.65	22.84	22.88					
18	QPSK	1	74	22.02	21.86	21.86					
18	QPSK	25	12	22.05	21.89	22.08	23	1			
18	QPSK	25	25	22.03	21.93	21.95					
18	QPSK	25	50	22.05	21.89	22.08					
18	16QAM	1	0	21.81	21.88	21.88					
18	16QAM	1	25	21.83	21.74	21.98	23	1			
18	16QAM	1	49	21.98	21.76	21.87					
18	16QAM	25	0	20.90	20.88	20.94					
18	16QAM	25	12	20.89	20.88	20.88					
18	16QAM	25	25	20.94	20.89	20.94	22	2			
18	16QAM	50	0	20.91	20.82	20.93					
18	64QAM	1	0	20.75	20.76	20.88					
18	64QAM	1	25	20.03	20.74	20.82					
18	64QAM	1	49	20.81	20.69	20.70	21	3			
18	64QAM	25	0	19.85	19.81	19.91					
18	64QAM	25	12	19.88	19.83	19.80					
18	64QAM	25	25	20.13	19.96	19.94					
18	64QAM	50	0	19.92	19.96	19.99	19	5			
18	256QAM	1	0	17.72	17.84	17.74					
18	256QAM	1	25	17.73	17.79	17.77					
18	256QAM	1	49	17.88	17.85	17.87					
18	256QAM	25	0	17.80	17.85	17.84					
18	256QAM	25	12	17.97	17.84	17.87	19	5			
18	256QAM	25	25	17.95	17.89	17.95					
18	256QAM	50	0	17.80	17.79	17.83					
18	256QAM	50	0	20.02	21.03	21.01					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.78	22.68	22.67	24	0			
5	QPSK	1	12	22.81	22.74	22.71					
5	QPSK	1	24	22.58	22.83	22.83					
5	QPSK	12	0	21.94	21.87	21.86					
5	QPSK	12	7	22.08	21.92	22.08	23	1			
5	QPSK	12	13	22.00	21.85	22.01					
5	QPSK	25	0	21.96	21.87	21.88					
5	16QAM	1	0	21.80	21.80	21.77					
5	16QAM	1	12	21.97	21.84	21.95	23	1			
5	16QAM	1	24	21.93	21.82	22.04					
5	16QAM	12	0	20.89	20.88	20.91					
5	16QAM	12	7	20.98	20.82	20.89					
5	16QAM	12	13	20.89	20.83	20.92	22	2			
5	16QAM	25	0	20.89	20.89	20.88					
5	64QAM	1	0	20.81	20.80	20.94					
5	64QAM	1	12	20.75	20.73	20.88					
5	64QAM	1	24	20.83	20.87	20.83	21	3			
5	64QAM	12	0	19.84	19.80	19.87					
5	64QAM	12	7	19.92	19.80	19.88					
5	64QAM	12	13	20.07	19.91	19.93					
5	64QAM	25	0	19.88	19.89	19.89	19	5			
5	256QAM	1	0	17.79	17.76	17.77					
5	256QAM	1	12	17.80	17.70	17.84					
5	256QAM	1	24	17.86	17.87	17.89					
5	256QAM	12	0	17.80	17.86	17.87					
5	256QAM	12	7	17.88	17.85	17.88	19	5			
5	256QAM	12	13	17.94	17.86	17.93					
5	256QAM	25	0	17.88	17.89	17.83					
5	256QAM	25	0	20.02	21.03	21.01					

Band 12 ANT1 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (MHz)	Power Middle Ch / Freq. (MHz)	Power High Ch / Freq. (MHz)	Time-up limit (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
18	QPSK	1	0	24.52	24.61	24.44	25	0	
18	QPSK	1	25	24.58	24.64	24.52			
18	QPSK	1	49	24.48	24.44	24.46			
18	QPSK	25	0	23.54	23.65	23.57			
18	QPSK	25	12	23.58	23.64	23.60	24	1	
18	QPSK	25	25	23.45	23.51	23.49			
18	QPSK	50	0	23.34	23.45	23.37			
18	16QAM	1	0	23.72	23.71	23.78			
18	16QAM	1	25	23.79	23.78	23.53	24	1	
18	16QAM	1	49	23.70	23.81	23.80			
18	16QAM	25	0	22.45	22.40	22.42			
18	16QAM	25	12	22.27	22.27	22.32			
18	16QAM	25	25	22.42	22.35	22.46	23	2	
18	16QAM	50	0	22.19	22.19				
18	16QAM	50	25	22.25	22.25				
18	16QAM	1	25	22.70	22.67	22.75			
18	16QAM	1	49	22.81	22.52	22.48	22	3	
18	16QAM	1	25	22.59	22.61				
18	16QAM	25	0	21.44	21.34	21.46			
18	16QAM	25	12	21.64	21.64	21.68			
18	16QAM	25	25	21.31	21.32	21.40	22	3	
18	16QAM	50	0	21.45	21.45				
18	16QAM	50	25	21.42	21.42				
18	16QAM	1	0	19.47	19.47	19.49			
18	16QAM	1	25	19.48	19.53	19.48	20	5	
18	16QAM	1	49	19.37	19.44				
18	16QAM	25	0	19.37	19.37	19.33			
18	16QAM	25	12	19.44	19.44	19.48			
18	16QAM	25	25	19.34	19.34	19.38	20	5	
18	16QAM	50	0	19.36	19.37	19.35			
18	16QAM	50	25	19.37	19.37				
18	16QAM	1	0	19.36	19.37	19.35			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.48	24.60	24.39	25	0	
5	QPSK	1	12	24.56	24.52	24.48			
5	QPSK	1	24	24.48	24.48	24.48			
5	QPSK	12	0	23.49	23.64	23.54			
5	QPSK	12	7	23.57	23.52	23.59	24	1	
5	QPSK	12	14	23.41	23.50	23.47			
5	QPSK	25	0	23.31	23.42	23.32			
5	16QAM	1	0	23.68	23.70	23.75			
5	16QAM	1	12	23.75	23.72	23.70	24	1	
5	16QAM	1	24	23.70	23.78	23.78			
5	16QAM	12	0	22.40	22.39	22.37			
5	16QAM	12	7	22.24	22.24	22.24			
5	16QAM	12	14	22.28	22.28	22.33	23	2	
5	16QAM	25	0	22.16	22.14	22.15			
5	16QAM	25	12	22.05	22.05	22.10			
5	16QAM	1	12	22.05	22.04	22.07			
5	16QAM	1	24	22.49	22.52	22.42	23	2	
5	16QAM	1	12	22.55	22.55	22.55			
5	16QAM	12	7	21.48	21.50	21.54			
5	16QAM	12	14	21.31	21.29	21.34			
5	16QAM	12	21	21.47	21.37	21.43	22	3	
5	16QAM	1	0	19.32	19.32	19.40			
5	25QAM	1	12	19.40	19.48	19.43			
5	25QAM	1	24	19.32	19.32	19.33			
5	25QAM	12	0	19.32	19.29	19.19	20	5	
5	25QAM	12	7	19.54	19.59	19.61			
5	25QAM	12	14	19.21	19.21	19.21			
5	25QAM	25	0	19.53	19.53	19.45			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.50	24.59	24.44	25	0	
3	QPSK	1	8	24.58	24.48	24.48			
3	QPSK	8	0	23.44	23.44	23.44			
3	QPSK	8	8	23.53	23.63	23.53			
3	QPSK	8	16	23.50	23.52	23.61	24	1	
3	QPSK	8	24	23.43	23.43	23.43			
3	QPSK	16	0	23.26	23.40	23.40			
3	16QAM	1	0	23.72	23.69	23.72			
3	16QAM	1	8	23.78	23.78	23.78	24	1	
3	16QAM	1	16	23.66	23.76	23.76			
3	16QAM	8	0	22.43	22.39	22.38			
3	16QAM	8	8	22.29	22.29	22.29			
3	16QAM	8	16	22.37	22.31	22.32	23	2	
3	16QAM	16	0	22.16	22.13	22.20			
3	16QAM	16	8	22.06	22.07	22.10			
3	16QAM	1	8	22.07	22.04	22.14			
3	16QAM	1	16	22.81	22.47	22.44	23	2	
3	16QAM	1	24	22.82	22.42	22.42			
3	16QAM	8	4	21.45	21.53	21.53			
3	16QAM	8	12	21.31	21.27	21.28			
3	16QAM	8	20	21.40	21.40	21.40	22	2	
3	16QAM	1	0	19.39	19.43	19.32			
3	16QAM	1	8	19.38	19.45	19.34			
3	16QAM	8	0	19.24	19.33	19.32			
3	25QAM	8	4	19.52	19.56	19.53	20	5	
3	25QAM	8	12	19.42	19.42	19.42			
3	25QAM	16	0	19.47	19.47	19.47			
3	25QAM	16	8	19.47	19.47	19.47			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.50	24.57	24.44	25	0	
1.4	QPSK	1	8	24.57	24.50	24.49			
1.4	QPSK	1	16	24.49	24.44	24.49			
1.4	QPSK	16	0	24.49	24.56	24.49			
1.4	QPSK	3	0	24.59	24.47	24.53	24	1	
1.4	QPSK	3	8	24.40	24.40	24.40			
1.4	QPSK	3	16	24.31	24.40	24.35			
1.4	16QAM	1	0	23.66	23.67	23.77			
1.4	16QAM	1	8	23.80	23.76	23.77	24	1	
1.4	16QAM	1	16	23.70	23.74	23.73			
1.4	16QAM	3	0	23.44	23.38	23.42			
1.4	16QAM	3	8	23.21	23.23	23.35			
1.4	16QAM	3	16	23.39	23.33	23.35	23	2	
1.4	16QAM	6	0	22.14	22.17	22.15			
1.4	16QAM	6	8	22.05	22.05	22.12			
1.4	16QAM	1	16	22.65	22.62	22.70			
1.4	16QAM	1	8	22.47	22.48	22.42	23	2	
1.4	16QAM	1	24	22.44	22.44	22.44			
1.4	16QAM	3	16	22.41	22.50	22.50			
1.4	16QAM	3	24	22.31	22.29	22.34			
1.4	16QAM	6	0	21.42	21.45	21.45	22	3	
1.4	16QAM	6	8	21.42	21.42	21.42			
1.4	16QAM	3	0	19.30	19.31	19.27			
1.4	16QAM	3	8	19.30	19.31	19.27			
1.4	25QAM	3	0	19.53	19.53	19.55	20	5	
1.4	25QAM	3	8	19.56	19.56	19.56			
1.4	25QAM	6	0	19.46	19.46	19.46			
1.4	25QAM	6	8	19.46	19.48	19.48			

Band 26 ANT1 Default power												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (ms)	MPR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.42	22.47	22.33	24	0				
15	QPSK	1	37	22.45	22.32	22.44						
15	QPSK	1	74	22.30	22.49	22.42						
15	QPSK	36	0	21.39	21.42	21.33						
15	QPSK	36	20	21.39	21.41	21.38	23	1				
15	QPSK	36	39	21.35	21.39	21.41						
15	QPSK	75	0	21.34	21.35	21.28						
15	16QAM	1	0	21.52	21.49	21.53						
15	16QAM	1	37	21.52	21.47	21.46	23	1				
15	16QAM	1	74	21.50	21.51	21.52						
15	16QAM	36	0	20.43	20.49	20.47						
15	16QAM	36	20	20.24	20.29	20.29						
15	16QAM	36	39	20.31	20.30	20.36	22	2				
15	16QAM	75	0	20.44	20.47	20.46						
15	64QAM	1	0	20.44	20.39	20.36						
15	64QAM	1	37	20.42	20.46	20.38						
15	64QAM	1	74	20.26	20.24	20.27	21	3				
15	64QAM	36	0	19.43	19.45	19.40						
15	64QAM	36	20	19.39	19.46	19.47						
15	64QAM	36	39	19.41	19.45	19.40						
15	256QAM	1	0	17.47	17.50	17.47	19	5				
15	256QAM	1	37	17.42	17.43	17.50						
15	256QAM	1	74	17.57	17.56	17.56						
15	256QAM	36	0	17.24	17.28	17.24						
15	256QAM	36	20	17.16	17.13	17.07	19	5				
15	256QAM	36	39	17.20	17.18	17.15						
15	256QAM	75	0	17.04	17.09	17.09						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.28	22.42	22.27	24	0				
10	QPSK	1	25	22.30	22.37	22.32						
10	QPSK	1	49	22.15	22.37	22.30						
10	QPSK	25	0	21.24	21.30	21.27						
10	QPSK	25	12	21.28	21.33	21.23	23	1				
10	QPSK	25	25	21.28	21.29	21.32						
10	QPSK	50	0	21.22	21.29	21.17						
10	16QAM	1	0	21.41	21.37	21.46						
10	16QAM	1	25	21.41	21.41	21.35	23	1				
10	16QAM	1	49	21.42	21.41	21.41						
10	16QAM	25	0	20.33	20.34	20.38						
10	16QAM	25	12	20.15	20.15	20.18						
10	16QAM	25	25	20.37	20.39	20.38	22	2				
10	64QAM	1	0	20.40	20.31	20.24						
10	64QAM	1	25	20.36	20.36	20.34						
10	64QAM	1	49	20.18	20.21	20.17						
10	64QAM	25	0	19.29	19.27	19.38	21	3				
10	64QAM	25	12	19.33	19.26	19.38						
10	64QAM	25	25	19.32	19.32	19.30						
10	64QAM	50	0	19.92	19.28	19.38						
10	256QAM	1	0	17.37	17.37	17.38	19	5				
10	256QAM	1	25	17.28	17.34	17.42						
10	256QAM	1	49	17.50	17.45	17.50						
10	256QAM	25	0	17.16	17.14	17.13						
10	256QAM	25	12	17.08	17.18	17.27	19	5				
10	256QAM	25	25	17.15	17.15	17.07						
10	256QAM	50	0	17.12	17.38	17.00						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.32	22.42	22.31	24	0				
5	QPSK	1	19	22.39	22.37	22.31						
5	QPSK	1	24	22.17	22.38	22.28						
5	QPSK	12	0	21.34	21.29	21.34						
5	QPSK	12	7	21.30	21.30	21.28	23	1				
5	QPSK	12	13	21.25	21.27	21.34						
5	QPSK	25	0	21.33	21.27	21.28						
5	16QAM	1	0	21.45	21.39	21.43						
5	16QAM	1	12	21.42	21.35	21.45	23	1				
5	16QAM	1	24	21.43	21.42	21.46						
5	16QAM	12	0	20.40	20.39	20.39						
5	16QAM	12	7	20.21	20.19	20.20						
5	16QAM	12	13	20.21	20.20	20.15	22	2				
5	16QAM	25	0	20.30	20.43	20.34						
5	64QAM	1	0	20.29	20.29	20.27						
5	64QAM	1	12	20.32	20.32	20.30						
5	64QAM	1	24	20.22	20.14	20.20	21	3				
5	64QAM	12	0	19.32	19.31	19.33						
5	64QAM	12	7	19.35	19.38	19.27						
5	64QAM	12	13	19.36	19.36	19.27						
5	64QAM	25	0	19.26	19.28	19.40	19	5				
5	256QAM	1	0	17.40	17.41	17.38						
5	256QAM	1	12	17.37	17.39	17.45						
5	256QAM	1	24	17.45	17.42	17.52						
5	256QAM	12	0	17.15	17.13	17.38	19	5				
5	256QAM	12	7	17.05	17.38	17.31						
5	256QAM	12	13	17.06	17.10	17.05						
5	256QAM	25	0	17.05	17.00	17.28						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.32	22.32	22.31	24	0				
3	QPSK	1	8	22.31	22.34	22.36						
3	QPSK	1	14	22.17	22.38	22.31						
3	QPSK	8	0	21.37	21.36	21.36						
3	QPSK	8	4	21.32	21.39	21.29	23	1				
3	QPSK	8	7	21.28	21.31	21.29						
3	QPSK	15	0	21.23	21.31	21.25						
3	16QAM	1	0	21.38	21.38	21.45						
3	16QAM	1	8	21.38	21.40	21.34	23	1				
3	16QAM	1	14	21.41	21.35	21.40						
3	16QAM	8	0	20.30	20.37	20.41						
3	16QAM	8	4	20.13	20.24	20.24						
3	16QAM	8	7	20.19	20.24	20.23	22	2				
3	16QAM	15	0	20.36	20.44	20.40						
3	64QAM	1	0	20.40	20.26	20.28						
3	64QAM	1	8	20.36	20.30	20.28						
3	64QAM	1	14	20.17	20.19	20.20	21	3				
3	64QAM	8	0	19.39	19.20	19.31						
3	64QAM	8	4	19.25	19.45	19.40						
3	64QAM	8	7	19.27	19.38	19.26						
3	64QAM	15	0	19.31	19.35	19.39	19	5				
3	256QAM	1	0	17.41	17.38	17.44						
3	256QAM	1	8	17.31	17.39	17.43						
3	256QAM	1	14	17.42	17.45	17.48						
3	256QAM	15	0	17.13	17.10	17.11	19	5				
3	256QAM	15	8	17.13	17.01	17.09						
3	256QAM	15	14	17.12	17.15	17.08						
3	256QAM	15	0	17.09	17.05	17.05						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.30	22.32	22.28	24	0				
1.4	QPSK	1	3	22.31	22.32	22.38						
1.4	QPSK	1	5	22.17	22.36	22.29						
1.4	QPSK	3	0	22.28	22.24	22.16						
1.4	QPSK	3	1	22.21	22.26	22.30	23	1				
1.4	QPSK	3	3	22.11	22.23	22.21						
1.4	QPSK	6	0	21.25	21.32	21.30						
1.4	16QAM	1	0	21.31	21.28	21.29						
1.4	16QAM	1	3	21.24	21.25	21.28	23	1				
1.4	16QAM	1	5	21.31	21.30	21.15						
1.4	16QAM	3	0	21.41	21.41	21.44						
1.4												

Band 38 PC3 ANT1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.66	22.78	22.77	24	0
20	QPSK	1	49	22.64	22.61	22.58		
20	QPSK	1	99	22.57	22.62	22.50		
20	QPSK	50	0	21.76	21.82	21.79	23	1
20	QPSK	50	24	21.60	21.75	21.64		
20	QPSK	50	50	21.74	21.71	21.80		
20	QPSK	100	0	21.68	21.73	21.58	23	1
20	16QAM	1	0	21.72	21.72	21.82		
20	16QAM	1	49	21.70	21.61	21.61		
20	16QAM	1	99	21.71	21.74	21.71	22	2
20	16QAM	50	0	20.85	20.72	20.74		
20	16QAM	50	24	20.76	20.66	20.73		
20	16QAM	50	50	20.84	20.79	20.75	22	2
20	16QAM	100	0	20.76	20.65	20.67		
20	64QAM	1	0	20.74	20.72	20.68		
20	64QAM	1	49	20.73	20.65	20.67	22	2
20	64QAM	1	99	20.59	20.62	20.59		
20	64QAM	50	0	19.71	19.71	19.81		
20	64QAM	50	24	19.73	19.78	19.82	21	3
20	64QAM	50	50	19.80	19.81	19.96		
20	64QAM	100	0	19.82	19.69	19.80		
20	256QAM	1	0	17.52	17.53	17.57	19	5
20	256QAM	1	49	17.62	17.62	17.66		
20	256QAM	1	99	17.77	17.65	17.62		
20	256QAM	50	0	17.81	17.73	17.71	19	5
20	256QAM	50	24	17.86	17.72	17.84		
20	256QAM	50	50	17.66	17.69	17.80		
20	256QAM	100	0	17.76	17.78	17.85		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.52	22.64	22.53	24	0
15	QPSK	1	37	22.58	22.47	22.53		
15	QPSK	1	74	22.50	22.59	22.44		
15	QPSK	36	0	21.61	21.76	21.67	23	1
15	QPSK	36	20	21.45	21.65	21.55		
15	QPSK	36	39	21.68	21.60	21.70		
15	QPSK	75	0	21.57	21.70	21.74	23	1
15	16QAM	1	0	21.66	21.65	21.74		
15	16QAM	1	37	21.60	21.50	21.54		
15	16QAM	1	74	21.67	21.66	21.59	22	2
15	16QAM	36	0	20.81	20.64	20.70		
15	16QAM	36	20	20.66	20.55	20.69		
15	16QAM	36	39	20.70	20.71	20.65	22	2
15	16QAM	75	0	20.67	20.55	20.58		
15	64QAM	1	0	20.69	20.59	20.65		
15	64QAM	1	37	20.64	20.55	20.56	22	2
15	64QAM	1	74	20.45	20.49	20.45		
15	64QAM	36	0	19.63	19.61	19.69		
15	64QAM	36	20	19.63	19.68	19.77	21	3
15	64QAM	36	39	19.68	19.74	19.88		
15	64QAM	75	0	19.78	19.54	19.71		
15	256QAM	1	0	17.42	17.45	17.43	19	5
15	256QAM	1	37	17.49	17.57	17.62		
15	256QAM	1	74	17.68	17.60	17.49		
15	256QAM	36	0	17.67	17.67	17.59	19	5
15	256QAM	36	20	17.73	17.59	17.76		
15	256QAM	36	39	17.59	17.62	17.74		
15	256QAM	75	0	17.64	17.67	17.80		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.58	22.65	22.56	24	0
10	QPSK	1	25	22.52	22.55	22.46		
10	QPSK	1	49	22.49	22.54	22.41		
10	QPSK	25	0	21.66	21.79	21.69	23	1
10	QPSK	25	12	21.52	21.70	21.51		
10	QPSK	25	25	21.67	21.60	21.68		
10	QPSK	50	0	21.60	21.58	21.72	23	1
10	16QAM	1	0	21.65	21.64	21.73		
10	16QAM	1	25	21.67	21.52	21.48		
10	16QAM	1	49	21.60	21.62	21.68	22	2
10	16QAM	25	0	20.78	20.58	20.69		
10	16QAM	25	12	20.66	20.59	20.60		
10	16QAM	25	25	20.80	20.72	20.60	22	2
10	16QAM	50	0	20.71	20.53	20.61		
10	64QAM	1	0	20.66	20.62	20.54		
10	64QAM	1	25	20.61	20.61	20.62	22	2
10	64QAM	1	49	20.55	20.58	20.48		
10	64QAM	25	0	19.58	19.63	19.72		
10	64QAM	25	12	19.59	19.70	19.74	21	3
10	64QAM	25	25	19.70	19.76	19.88		
10	64QAM	50	0	19.67	19.60	19.67		
10	256QAM	1	0	17.38	17.38	17.51	19	5
10	256QAM	1	25	17.48	17.53	17.62		
10	256QAM	1	49	17.63	17.51	17.52		
10	256QAM	25	0	17.67	17.60	17.60	19	5
10	256QAM	25	12	17.80	17.63	17.79		
10	256QAM	25	25	17.63	17.63	17.76		
10	256QAM	50	0	17.69	17.63	17.72		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.59	22.67	22.50	24	0
5	QPSK	1	12	22.57	22.57	22.50		
5	QPSK	1	24	22.42	22.58	22.39		
5	QPSK	12	0	21.64	21.67	21.72	23	1
5	QPSK	12	7	21.46	21.71	21.50		
5	QPSK	12	13	21.61	21.60	21.71		
5	QPSK	25	0	21.58	21.59	21.70	23	1
5	16QAM	1	0	21.66	21.61	21.78		
5	16QAM	1	12	21.67	21.51	21.56		
5	16QAM	1	24	21.61	21.61	21.63	22	2
5	16QAM	12	0	20.70	20.67	20.64		
5	16QAM	12	7	20.73	20.53	20.67		
5	16QAM	12	13	20.74	20.74	20.72	22	2
5	16QAM	25	0	20.67	20.58	20.62		
5	64QAM	1	0	20.66	20.64	20.61		
5	64QAM	1	12	20.66	20.53	20.63	22	2
5	64QAM	1	24	20.49	20.51	20.44		
5	64QAM	12	0	19.63	19.65	19.72		
5	64QAM	12	7	19.65	19.67	19.71	21	3
5	64QAM	12	13	19.66	19.71	19.85		
5	64QAM	25	0	19.70	19.55	19.74		
5	256QAM	1	0	17.49	17.41	17.48	19	5
5	256QAM	1	12	17.55	17.58	17.57		
5	256QAM	1	24	17.62	17.54	17.53		
5	256QAM	12	0	17.70	17.63	17.67	19	5
5	256QAM	12	7	17.74	17.59	17.77		
5	256QAM	12	13	17.55	17.57	17.76		
5	256QAM	25	0	17.63	17.72	17.76		

Band 42 ANT4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.80	22.91	22.82	24	0	
20	QPSK	1	49	22.82	22.78	22.86			
20	QPSK	1	99	22.86	22.80	22.89			
20	QPSK	50	0	21.90	21.92	21.83	23	1	
20	QPSK	50	24	21.82	21.85	21.83			
20	QPSK	50	50	21.72	21.89	21.87			
20	QPSK	100	0	21.82	21.88	21.75			
20	16QAM	1	0	21.88	21.81	21.92	23	1	
20	16QAM	1	49	21.83	21.74	21.71			
20	16QAM	1	99	21.80	21.69	21.84			
20	16QAM	50	0	21.00	20.93	21.03			
20	16QAM	50	24	20.84	20.87	20.91	22	2	
20	16QAM	50	50	21.03	20.94	20.93			
20	16QAM	100	0	20.86	20.77	20.72			
20	64QAM	1	0	20.75	20.73	20.71			
20	64QAM	1	49	20.85	20.74	20.81	22	2	
20	64QAM	1	99	20.72	20.68	20.65			
20	64QAM	50	0	20.05	19.95	19.97			
20	64QAM	50	24	20.13	20.07	20.14			
20	64QAM	50	50	20.08	20.08	20.20	21	3	
20	64QAM	100	0	20.11	20.03	20.11			
20	256QAM	1	0	17.74	17.75	17.89			
20	256QAM	1	49	17.73	17.58	17.54			
20	256QAM	1	99	17.72	17.63	17.66	19	5	
20	256QAM	50	0	17.93	17.98	18.06			
20	256QAM	50	24	18.08	17.97	17.94			
20	256QAM	50	50	18.09	17.99	18.00			
20	256QAM	100	0	17.94	17.90	17.90	19	5	
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.68	22.80	22.77			24
15	QPSK	1	37	22.77	22.71	22.82			
15	QPSK	1	74	22.75	22.76	22.84			
15	QPSK	36	0	21.85	21.86	21.69	23	1	
15	QPSK	36	20	21.72	21.78	21.70			
15	QPSK	36	39	21.61	21.77	21.80			
15	QPSK	75	0	21.74	21.80	21.68			
15	16QAM	1	0	21.77	21.76	21.79	23	1	
15	16QAM	1	37	21.79	21.63	21.62			
15	16QAM	1	74	21.75	21.56	21.76			
15	16QAM	36	0	20.89	20.89	20.96			
15	16QAM	36	20	20.78	20.74	20.77	22	2	
15	16QAM	36	39	20.99	20.84	20.88			
15	16QAM	75	0	20.82	20.65	20.66			
15	64QAM	1	0	20.63	20.60	20.64			
15	64QAM	1	37	20.78	20.62	20.70	22	2	
15	64QAM	1	74	20.58	20.56	20.55			
15	64QAM	36	0	19.92	19.91	19.88			
15	64QAM	36	20	20.04	19.98	20.03			
15	64QAM	36	39	20.03	19.99	20.10	21	3	
15	64QAM	75	0	20.04	19.91	20.06			
15	256QAM	1	0	17.65	17.61	17.86			
15	256QAM	1	37	17.64	17.55	17.46			
15	256QAM	1	74	17.61	17.58	17.54	19	5	
15	256QAM	36	0	17.84	17.85	17.96			
15	256QAM	36	20	17.95	17.90	17.96			
15	256QAM	36	39	18.05	17.91	17.96			
15	256QAM	75	0	17.83	17.83	17.84	19	5	
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.74	22.84	22.75			24
10	QPSK	1	25	22.69	22.75	22.77			
10	QPSK	1	49	22.75	22.71	22.79			
10	QPSK	25	0	21.86	21.85	21.69	23	1	
10	QPSK	25	12	21.73	21.77	21.77			
10	QPSK	25	25	21.64	21.78	21.80			
10	QPSK	50	0	21.75	21.77	21.63			
10	16QAM	1	0	21.80	21.68	21.89	23	1	
10	16QAM	1	25	21.75	21.62	21.58			
10	16QAM	1	49	21.74	21.62	21.71			
10	16QAM	25	0	20.94	20.87	20.98			
10	16QAM	25	12	20.70	20.76	20.87	22	2	
10	16QAM	25	25	20.90	20.87	20.87			
10	16QAM	50	0	20.74	20.66	20.68			
10	64QAM	1	0	20.68	20.58	20.67			
10	64QAM	1	25	20.74	20.68	20.67	22	2	
10	64QAM	1	49	20.63	20.55	20.61			
10	64QAM	25	0	19.96	19.82	19.84			
10	64QAM	25	12	20.00	20.01	20.02			
10	64QAM	25	25	19.95	20.02	20.09	21	3	
10	64QAM	50	0	20.04	19.95	20.05			
10	256QAM	1	0	17.69	17.64	17.83			
10	256QAM	1	25	17.64	17.44	17.43			
10	256QAM	1	49	17.66	17.58	17.55	19	5	
10	256QAM	25	0	17.79	17.94	18.00			
10	256QAM	25	12	18.04	17.90	17.81			
10	256QAM	25	25	18.04	17.84	17.96			
10	256QAM	50	0	17.81	17.87	17.79	19	5	
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.76	22.77	22.68			24
5	QPSK	1	12	22.74	22.71	22.82			
5	QPSK	1	24	22.83	22.75	22.85			
5	QPSK	12	0	21.77	21.81	21.78	23	1	
5	QPSK	12	7	21.78	21.73	21.73			
5	QPSK	12	13	21.66	21.76	21.82			
5	QPSK	25	0	21.71	21.81	21.62			
5	16QAM	1	0	21.84	21.69	21.80	23	1	
5	16QAM	1	12	21.74	21.68	21.57			
5	16QAM	1	24	21.76	21.63	21.76			
5	16QAM	12	0	20.94	20.88	20.91			
5	16QAM	12	7	20.75	20.75	20.86	22	2	
5	16QAM	12	13	20.90	20.81	20.80			
5	16QAM	25	0	20.74	20.66	20.66			
5	64QAM	1	0	20.68	20.59	20.59			
5	64QAM	1	12	20.80	20.60	20.77	22	2	
5	64QAM	1	24	20.59	20.58	20.58			
5	64QAM	12	0	19.93	19.88	19.94			
5	64QAM	12	7	20.02	19.96	20.06			
5	64QAM	12	13	20.03	20.01	20.17	21	3	
5	64QAM	25	0	20.03	19.97	19.97			
5	256QAM	1	0	17.70	17.71	17.74			
5	256QAM	1	12	17.70	17.50	17.40			
5	256QAM	1	24	17.59	17.49	17.57	19	5	
5	256QAM	12	0	17.88	17.84	18.00			
5	256QAM	12	7	17.94	17.92	17.83			
5	256QAM	12	13	17.94	17.89	17.89			
5	256QAM	25	0	17.84	17.79	17.79	19	5	

Reduced Power Mode for WWAN

Ant0 DS12 Default Power								
GSM850	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	128	169	251		128	169	251	
Frequency (MHz)	124.2	316.1	418.5	524.2	538.4	548.8	648.3	
GSM 1 Tx slot	32.20	32.07	32.05	33.50	23.20	23.07	23.05	24.50
GPRS 1 Tx slot	32.19	32.05	32.02	33.50	23.19	23.05	23.02	24.50
GPRS 2 Tx slots	31.11	30.84	30.71	32.00	25.11	24.84	24.71	26.00
GPRS 3 Tx slots	29.71	29.46	29.42	30.90	25.45	25.20	25.16	26.64
GPRS 4 Tx slots	28.01	27.71	27.65	29.50	25.01	24.71	24.65	26.50
EDGE 1 Tx slot	25.91	25.96	26.01	27.00	18.91	18.96	17.01	18.00
EDGE 2 Tx slots	24.49	25.10	24.86	26.50	18.89	19.10	18.86	20.50
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50

Ant0 DS12 Default Power								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1869.8	1880.2	1890.2	1899.8	1909.8	
GSM 1 Tx slot	29.47	29.86	29.56	30.50	20.47	20.86	20.56	21.50
GPRS 1 Tx slot	29.46	29.85	29.53	30.50	20.46	20.85	20.53	21.50
GPRS 2 Tx slots	27.18	27.45	27.21	28.50	21.18	21.45	21.21	22.50
GPRS 3 Tx slots	25.81	26.03	26.01	27.40	21.55	21.77	21.75	23.14
GPRS 4 Tx slots	24.25	24.41	24.25	25.50	21.25	21.41	21.25	22.50
EDGE 1 Tx slot	25.45	25.60	25.54	26.50	16.45	16.60	16.54	17.50
EDGE 2 Tx slots	24.53	24.15	24.17	25.50	18.53	18.15	18.17	19.50
EDGE 3 Tx slots	22.56	23.01	22.62	24.50	18.30	18.75	18.36	20.24
EDGE 4 Tx slots	21.27	21.32	21.17	22.50	18.27	18.32	18.17	19.50

Ant0 DS12 Default Power				Ant0 DS12 Default Power				Ant0 DS12 Default Power					
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
	TX Channel				TX Channel				TX Channel				
	Rx Channel				Rx Channel				Rx Channel				
	Frequency (MHz)				Frequency (MHz)				Frequency (MHz)				
3GPP Rel 99	AMR 12.2Kbps	22.66	22.72	22.70	24.00	22.95	23.05	22.97	24.00	23.64	23.71	23.64	24.00
3GPP Rel 99	RMC 12.2Kbps	22.67	22.75	22.71	24.00	22.97	23.06	23.00	24.00	23.69	23.72	23.65	24.00
3GPP Rel 6	HSOPA Subtest-1	21.70	21.83	21.83	23.00	21.95	22.08	21.88	23.00	21.60	21.66	21.69	23.00
3GPP Rel 6	HSOPA Subtest-2	21.55	21.88	21.94	23.00	22.04	21.97	21.97	23.00	21.67	21.55	21.49	23.00
3GPP Rel 6	HSOPA Subtest-3	21.37	21.14	21.19	22.50	21.54	21.43	21.47	22.50	21.14	21.27	21.11	22.50
3GPP Rel 6	HSOPA Subtest-4	20.92	21.23	21.17	22.50	21.56	21.48	21.47	22.50	21.04	21.13	20.86	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.99	21.78	21.91	23.00	21.87	22.02	21.83	23.00	21.73	21.57	21.65	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.88	21.88	21.82	23.00	21.86	22.00	21.69	23.00	21.48	21.78	21.49	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.37	21.14	20.94	22.50	21.39	21.29	21.42	22.50	21.39	21.34	21.22	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.06	21.35	21.18	22.50	21.47	21.58	21.41	22.50	20.95	21.28	21.08	22.50
3GPP Rel 6	HSUPA Subtest-1	21.81	21.68	21.94	23.00	21.96	21.89	21.93	23.00	21.57	21.71	21.74	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.85	19.86	21.00	20.03	20.05	19.92	21.00	19.83	19.59	19.58	21.00
3GPP Rel 6	HSUPA Subtest-3	20.78	20.74	20.49	22.00	20.88	20.78	20.91	22.00	20.59	20.95	20.53	22.00
3GPP Rel 6	HSUPA Subtest-4	19.55	19.64	19.74	21.00	20.04	19.96	19.96	21.00	19.47	19.67	19.32	21.00
3GPP Rel 6	HSUPA Subtest-5	21.56	21.78	21.91	23.00	21.99	22.09	21.93	23.00	21.51	21.77	21.81	23.00

Ant1 DSI 2 Standalone							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		Tune-up Limit (dBm)
	128	169	251		128	169	251
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot	31.73	31.57	31.42	31.90	22.73	22.57	22.42
GPRS 1 Tx slot	31.59	31.51	31.30	31.90	22.59	22.51	22.30
GPRS 2 Tx slots	28.68	28.70	28.56	28.90	22.68	22.70	22.56
GPRS 3 Tx slots	26.88	26.96	26.75	27.20	22.62	22.70	22.49
GPRS 4 Tx slots	25.63	25.58	25.54	25.90	22.63	22.58	22.54
EDGE 1 Tx slot	25.44	25.61	25.54	27.00	18.44	18.61	18.54
EDGE 2 Tx slots	24.73	24.57	24.67	26.50	18.73	18.57	18.67
EDGE 3 Tx slots	23.22	23.14	23.18	24.50	18.96	18.88	18.92
EDGE 4 Tx slots	21.53	21.57	21.62	23.50	18.53	18.57	18.62

Ant1 DSI 2 Simultaneous							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		Tune-up Limit (dBm)
	128	169	251		128	169	251
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot	29.91	29.77	30.08	30.60	20.91	20.77	21.08
GPRS 1 Tx slot	29.85	29.64	30.01	30.60	20.85	20.64	21.01
GPRS 2 Tx slots	27.36	27.59	27.21	27.60	21.36	21.59	21.21
GPRS 3 Tx slots	25.81	25.65	25.69	25.90	21.55	21.39	21.43
GPRS 4 Tx slots	24.39	24.35	24.21	24.60	21.39	21.35	21.21
EDGE 1 Tx slot	25.41	25.66	25.56	27.00	18.41	18.66	18.56
EDGE 2 Tx slots	24.63	24.63	24.75	26.50	18.63	18.63	18.75
EDGE 3 Tx slots	23.22	23.19	23.14	24.50	18.96	18.93	18.88
EDGE 4 Tx slots	21.57	21.59	21.54	23.50	18.57	18.59	18.54

Ant1 DSI 2 Standalone				
3GPP		WCDMA V		
TX Channel		4132	4182	4233
Rx Channel		4357	4407	4458
Frequency (MHz)		826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	21.74	21.75	21.67
3GPP Rel 99	RMG 12.2Kbps	21.78	21.79	21.67
3GPP Rel 6	HSDPA Subtest-1	20.79	20.86	20.88
3GPP Rel 6	HSDPA Subtest-2	20.69	20.85	20.72
3GPP Rel 6	HSDPA Subtest-3	20.25	20.40	20.31
3GPP Rel 6	HSDPA Subtest-4	20.21	20.35	20.18
3GPP Rel 8	DC-HSDPA Subtest-1	20.83	20.87	20.78
3GPP Rel 8	DC-HSDPA Subtest-2	20.84	20.91	20.80
3GPP Rel 8	DC-HSDPA Subtest-3	20.30	20.30	20.34
3GPP Rel 8	DC-HSDPA Subtest-4	20.25	20.27	20.21
3GPP Rel 6	HSUPA Subtest-1	20.71	20.69	20.59
3GPP Rel 6	HSUPA Subtest-2	18.71	18.90	18.88
3GPP Rel 6	HSUPA Subtest-3	19.76	19.93	19.89
3GPP Rel 6	HSUPA Subtest-4	18.61	18.47	18.69
3GPP Rel 6	HSUPA Subtest-5	20.76	20.76	20.82

Ant1 DSI 2 Simultaneous				
3GPP		WCDMA V		
TX Channel		4132	4182	4233
Rx Channel		4357	4407	4458
Frequency (MHz)		826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	20.40	20.38	20.28
3GPP Rel 99	RMG 12.2Kbps	20.42	20.43	20.29
3GPP Rel 6	HSDPA Subtest-1	19.41	19.51	19.54
3GPP Rel 6	HSDPA Subtest-2	19.34	19.49	19.34
3GPP Rel 6	HSDPA Subtest-3	18.90	19.01	18.95
3GPP Rel 6	HSDPA Subtest-4	18.85	18.98	18.83
3GPP Rel 8	DC-HSDPA Subtest-1	19.50	19.49	19.42
3GPP Rel 8	DC-HSDPA Subtest-2	19.48	19.56	19.45
3GPP Rel 8	DC-HSDPA Subtest-3	18.97	18.94	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.88	18.90	18.86
3GPP Rel 6	HSUPA Subtest-1	19.38	19.33	19.25
3GPP Rel 6	HSUPA Subtest-2	17.32	17.54	17.54
3GPP Rel 6	HSUPA Subtest-3	18.41	18.54	18.50
3GPP Rel 6	HSUPA Subtest-4	17.26	17.12	17.35
3GPP Rel 6	HSUPA Subtest-5	19.39	19.40	19.49

Band 2 Ant1 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Init. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.59	17.65	17.60			
20	QPSK	1	49	17.57	17.63	17.53	18.6	0	
20	QPSK	1	99	17.54	17.64	17.56			
20	QPSK	50	0	17.54	17.62	17.58			
20	QPSK	50	24	17.48	17.58	17.28	18.6	0	
20	QPSK	50	50	17.58	17.59	17.51			
20	QPSK	100	0	17.58	17.60	17.55			
20	16QAM	1	49	17.57	17.64	17.33	18.6	0	
20	16QAM	1	99	17.51	17.46	17.56			
20	16QAM	50	0	17.46	17.58	17.51	18.6	0	
20	16QAM	50	24	17.46	17.50	17.34			
20	16QAM	50	50	17.60	17.56	17.49			
20	16QAM	100	0	17.60	17.55	17.54			
20	64QAM	1	0	17.45	17.55	17.49			
20	64QAM	1	49	17.53	17.58	17.53	18.6	0	
20	64QAM	1	99	17.49	17.55	17.51			
20	64QAM	50	24	17.40	17.49	17.21	18.6	0	
20	64QAM	50	50	17.56	17.52	17.42			
20	256QAM	1	49	17.56	17.54	17.24			
20	256QAM	1	99	17.45	17.31	17.49	18.6	0	
20	256QAM	1	99	17.49	17.35	17.47			
20	256QAM	50	24	17.42	17.58	17.24			
20	256QAM	50	50	17.40	17.38	17.49	18.6	0	
20	256QAM	100	0	17.54	17.54	17.54			
Channel									
Frequency (MHz)									
16	QPSK	1	0	18.17	18.00	18.02			
16	QPSK	1	0	17.48	17.64	17.48			
16	QPSK	1	37	17.52	17.57	17.29	18.6	0	
16	QPSK	1	74	17.43	17.37	17.53			
16	QPSK	36	0	17.48	17.49	17.51			
16	QPSK	36	25	17.48	17.35	17.15	18.6	0	
16	QPSK	36	39	17.48	17.26	17.48			
16	QPSK	75	0	17.51	17.45	17.45			
16	16QAM	1	0	17.48	17.51	17.51	18.6	0	
16	16QAM	1	37	17.49	17.61	17.22			
16	16QAM	1	74	17.41	17.37	17.56			
16	16QAM	36	0	17.39	17.51	17.42	18.6	0	
16	16QAM	36	25	17.46	17.59	17.19			
16	16QAM	36	39	17.47	17.34	17.48			
16	16QAM	75	0	17.59	17.53	17.51			
16	64QAM	1	0	17.43	17.47	17.40			
16	64QAM	1	37	17.45	17.47	17.48	18.6	0	
16	64QAM	1	74	17.42	17.25	17.44			
16	64QAM	36	0	17.32	17.34	17.46			
16	64QAM	36	25	17.27	17.63	17.46	18.6	0	
16	64QAM	36	39	17.45	17.15	17.35			
16	64QAM	75	0	17.48	17.54	17.43			
16	256QAM	1	37	17.45	17.17	17.35			
16	256QAM	1	37	17.45	17.17	17.35	18.6	0	
16	256QAM	1	74	17.38	17.29	17.47			
16	256QAM	1	74	17.38	17.29	17.47			
16	256QAM	36	25	17.42	17.44	17.12	18.6	0	
16	256QAM	36	39	17.38	17.31	17.48			
16	256QAM	75	0	17.51	17.47	17.56			
16	256QAM	100	0	17.51	17.47	17.56			
Channel									
Frequency (MHz)									
16	QPSK	1	0	17.47	17.56	17.52			
16	QPSK	1	25	17.48	17.55	17.25	18.6	0	
16	QPSK	1	49	17.48	17.38	17.47			
16	QPSK	25	0	17.44	17.24	17.44			
16	QPSK	25	12	17.37	17.50	17.18	18.6	0	
16	QPSK	25	25	17.51	17.29	17.43			
16	QPSK	50	0	17.47	17.47	17.47			
16	16QAM	1	0	17.48	17.45	17.48	18.6	0	
16	16QAM	1	25	17.50	17.54	17.26			
16	16QAM	1	49	17.38	17.24	17.43			
16	16QAM	25	0	17.34	17.39	17.41			
16	16QAM	25	12	17.31	17.42	17.17	18.6	0	
16	16QAM	25	25	17.46	17.23	17.36			
16	64QAM	1	0	17.44	17.55	17.44			
16	64QAM	1	25	17.46	17.47	17.14	18.6	0	
16	64QAM	1	25	17.46	17.47	17.14			
16	64QAM	1	49	17.34	17.25	17.45			
16	64QAM	25	0	17.35	17.49	17.16	18.6	0	
16	64QAM	25	12	17.35	17.49	17.16			
16	64QAM	25	25	17.43	17.28	17.38			
16	256QAM	1	49	17.42	17.42	17.48			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.49	17.45	17.45			
5	QPSK	1	12	17.46	17.57	17.23	18.6	0	
5	QPSK	1	24	17.46	17.38	17.45			
5	QPSK	12	0	17.47	17.56	17.49			
5	QPSK	12	7	17.44	17.50	17.19	18.6	0	
5	QPSK	12	13	17.52	17.35	17.49			
5	QPSK	25	0	17.52	17.54	17.52			
5	16QAM	1	0	17.53	17.47	17.56	18.6	0	
5	16QAM	1	12	17.51	17.53	17.22			
5	16QAM	1	24	17.47	17.43	17.49			
5	16QAM	12	0	17.39	17.54	17.31	18.6	0	
5	16QAM	12	7	17.36	17.56	17.21			
5	16QAM	12	13	17.50	17.22	17.45			
5	64QAM	1	0	17.56	17.53	17.51	18.6	0	
5	64QAM	1	12	17.44	17.48	17.39			
5	64QAM	1	24	17.38	17.25	17.45	18.6	0	
5	64QAM	1	24	17.38	17.25	17.45			
5	64QAM	12	7	17.36	17.43	17.45			
5	64QAM	12	13	17.45	17.34	17.41			
5	64QAM	25	0	17.56	17.53	17.51			
5	64QAM	25	7	17.36	17.56	17.21	18.6	0	
5	64QAM	25	13	17.45	17.38	17.41			
5	256QAM	1	12	17.47	17.43	17.49	18.6	0	
5	256QAM	1	24	17.47	17.43	17.49			
5	256QAM	12	0	17.39	17.54	17.31			
5	256QAM	12	7	17.36	17.56	17.21	18.6	0	
5	256QAM	12	13	17.45	17.38	17.41			
5	256QAM	25	0	17.48	17.48	17.47			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.51	17.54	17.52			
3	QPSK	1	8	17.52	17.57	17.52	18.6	0	
3	QPSK	1	14	17.42	17.50	17.52			
3	QPSK	8	0	17.55	17.50	17.46			
3	QPSK	8	4	17.50	17.45	17.36	18.6	0	
3	QPSK	8	7	17.57	17.29	17.46			
3	QPSK	15	0	17.51	17.49	17.28			
3	16QAM	1	0	17.58	17.47	17.52	18.6	0	
3	16QAM	1	8	17.51	17.55	17.32			
3	16QAM	1	14	17.44	17.45	17.45			
3	16QAM	8	0	17.40	17.60	17.40	18.6	0	
3	16QAM	8	4	17.32	17.51	17.39			
3	16QAM	8	7	17.41	17.33	17.51			
3	16QAM	15	0	17.55	17.48	17.41	18.6	0	
3	16QAM	15	8	17.36	17.44	17.39			
3	64QAM	1	8	17.40	17.54	17.11			
3	64QAM	1	14	17.47	17.19	17.45			
3	64QAM	8	0	17.44	17.49	17.43	18.6	0	
3	64QAM	8	4	17.38	17.38	17.38			
3	64QAM	8	7	17.58	17.17	17.43			
3	64QAM	15	0	17.52	17.49	17.48			
3	256QAM	1	0	17.43	17.51	17.35			
3	256QAM	1	8	17.57	17.47	17.17	18.6	0	
3	256QAM	8	0	17.42	17.36	17.42			
3	256QAM	8	4	17.40	17.41	17.51			
3	256QAM	8	4	17.43	17.58	17.14	18.6	0	
3	256QAM	8	7	17.44	17.39	17.45			
3	256QAM	15	0	17.41	17.43	17.44			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.47	17.56	17.54			
1.4	QPSK	1	3	17.48	17.51	17.49	18.6	0	
1.4	QPSK	1	5	17.43	17.39	17.50			
1.4	QPSK	3	0	17.49	17.53	17.49			
1.4	QPSK	3	1	17.42	17.47	17.49	18.6	0	
1.4	QPSK	3	3	17.47	17.28	17.40			
1.4	QPSK	5	0	17.52	17.58	17.50	18.6	0	
1.4	QPSK	5	1	17.47	17.50	17.50			
1.4	QPSK	1	3	17.51	17.57	17.51			
1.4	16QAM	1	3	17.44	17.38	17.44	18.6	0	
1.4	16QAM	1	5	17.43	17.37	17.49			
1.4	16QAM	3	0	17.54	17.27	17.38			
1.4	16QAM	3	1	17.47	17.49	17.49	18.6	0	
1.4	16QAM	3	3	17.49	17.31	17.41			
1.4	64QAM	1	0	17.39	17.43	17.43	18.6	0	
1.4	64QAM	1	3	17.48	17.48	17.48			
1.4	64QAM	1	5	17.35	17.25	17.35			
1.4	64QAM	3	0	17.28	17.39	17.45	18.6	0	
1.4	64QAM	3	1	17.44	17.44	17.44			
1.4	64QAM	3	3	17.50	17.20	17.34			
1.4	64QAM	5	0	17.46	17.48	17.48	18.6	0	
1.4	64QAM	5	1	17.47	17.37	17.37			
1.4	256QAM	1	0	17.48	17.48	17.48	18.6	0	
1.4	256QAM	1	3	17.42	17.40	17.43			
1.4	256QAM	3	0	17.38	17.17	17.42			
1.4	256QAM	3	1	17.48	17.48	17.48	18.6	0	
1.4	256QAM	3	3	17.30					



Band 4 Ant1 DSI 2 Simultaneous												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Fires	Power Med Ch./Fires	Power High Ch./Fires	Turnup rate (dB)	MPR (dB)				
Channel												
Frequency [MHz]												
20	QPSK	1	0	16.16	16.44	16.27			17.5	0		
20	QPSK	1	49	16.16	16.20	16.36						
20	QPSK	1	99	16.16	16.20	16.36			17.5	0		
20	QPSK	50	0	16.22	16.30	16.24						
20	QPSK	50	24	16.05	16.20	16.30			17.5	0		
20	QPSK	50	50	16.09	16.20	16.20						
20	QPSK	100	0	16.00	16.30	16.20			17.5	0		
20	QPSK	100	50	16.05	16.20	16.11						
20	16QAM	1	49	15.97	15.97	15.96			17.5	0		
20	16QAM	1	99	16.18	16.06	16.03						
20	16QAM	50	99	16.18	16.06	16.03			17.5	0		
20	16QAM	50	24	15.96	16.11	16.03						
20	16QAM	50	50	16.00	16.12	16.13			17.5	0		
20	16QAM	100	0	16.04	16.21	16.13						
20	64QAM	1	49	16.13	16.01	16.06			17.5	0		
20	64QAM	1	99	16.05	16.20	16.04						
20	64QAM	50	0	16.02	16.11	16.15			17.5	0		
20	64QAM	50	24	15.98	16.02	16.00						
20	64QAM	50	50	16.00	16.10	16.00			17.5	0		
20	64QAM	100	0	16.04	16.21	16.13						
20	256QAM	1	49	16.05	16.00	16.09			17.5	0		
20	256QAM	1	99	16.10	16.04	16.04						
20	256QAM	50	24	15.94	16.01	16.09			17.5	0		
20	256QAM	50	50	16.03	16.12	16.03						
20	256QAM	100	0	16.00	16.20	16.00			17.5	0		
Channel												
Frequency [MHz]												
20	QPSK	1	0	16.22	16.38	16.24			17.5	0		
16	QPSK	1	49	16.13	16.08	16.13						
16	QPSK	1	74	16.06	16.17	16.02			17.5	0		
16	QPSK	36	0	16.13	16.20	16.15						
16	QPSK	36	36	16.04	16.13	16.04			17.5	0		
16	QPSK	36	39	15.97	16.18	16.09						
16	QPSK	75	0	16.06	16.20	16.10			17.5	0		
16	16QAM	1	0	16.03	16.20	16.03						
16	16QAM	1	37	16.11	15.92	16.00			17.5	0		
16	16QAM	1	74	16.01	16.17	16.05						
16	16QAM	36	0	16.07	16.06	16.15			17.5	0		
16	16QAM	36	39	15.90	16.21	16.11						
16	16QAM	75	0	15.99	16.22	16.07			17.5	0		
16	256QAM	1	37	16.02	16.04	16.07						
16	256QAM	1	74	16.00	15.95	16.06			17.5	0		
16	256QAM	36	39	16.06	16.00	16.00						
16	256QAM	36	20	15.93	16.05	15.98			17.5	0		
16	256QAM	36	20	15.83	16.00	15.98						
16	256QAM	75	0	15.70	16.05	16.06			17.5	0		
Channel												
Frequency [MHz]												
20000	QPSK	1	0	16.17	16.15	16.15			17.5	0		
16	QPSK	1	25	16.11	16.08	16.12						
16	QPSK	1	49	16.08	16.09	16.02			17.5	0		
16	QPSK	1	74	16.07	16.10	16.16						
16	QPSK	25	12	15.93	16.10	16.08			17.5	0		
16	QPSK	25	25	15.97	16.12	16.12						
16	QPSK	25	37	16.00	16.00	16.13			17.5	0		
16	QPSK	1	0	15.93	16.14	16.09						
16	16QAM	1	25	15.91	15.92	15.98			17.5	0		
16	16QAM	1	49	16.06	16.00	16.06						
16	16QAM	25	0	16.08	15.99	15.91			17.5	0		
16	16QAM	25	12	15.85	15.98	15.98						
16	16QAM	25	12	16.04	16.05	16.03			17.5	0		
16	16QAM	50	0	15.88	16.00	16.12						
16	16QAM	1	0	16.08	16.10	16.04			17.5	0		
16	64QAM	1	0	16.00	16.10	16.00						
16	64QAM	1	49	15.98	16.10	15.96			17.5	0		
16	64QAM	25	0	15.99	16.03	16.03						
16	64QAM	25	12	16.04	16.07	16.04			17.5	0		
16	64QAM	50	0	15.97	16.20	16.05						
16	256QAM	1	25	15.92	16.00	16.00			17.5	0		
16	256QAM	1	26	15.97	16.01	16.04						
16	256QAM	25	12	15.98	15.94	15.97			17.5	0		
16	256QAM	25	12	16.04	16.00	16.00						
16	256QAM	25	25	15.93	16.00	16.00			17.5	0		
16	256QAM	50	0	15.82	16.08	16.07						
Channel												
Frequency [MHz]												
20000	QPSK	1	0	16.17	16.15	16.15			17.5	0		
16	QPSK	1	25	16.11	16.08	16.12						
16	QPSK	1	49	16.08	16.09	16.02			17.5	0		
16	QPSK	1	74	16.07	16.10	16.16						
16	QPSK	25	13	15.93	16.10	16.08			17.5	0		
16	QPSK	25	25	15.97	16.12	16.12						
16	QPSK	25	37	16.00	16.00	16.13			17.5	0		
16	QPSK	1	0	15.93	16.14	16.09						
16	16QAM	1	25	15.91	15.92	15.98			17.5	0		
16	16QAM	1	49	16.06	16.00	16.06						
16	16QAM	25	0	16.08	15.99	15.91			17.5	0		
16	16QAM	25	12	15.85	15.98	15.98						
16	16QAM	25	12	16.04	16.05	16.03			17.5	0		
16	16QAM	50	0	15.88	16.00	16.12						
16	16QAM	1	0	16.08	16.10	16.04			17.5	0		
16	64QAM	1	0	16.00	16.10	16.00						
16	64QAM	1	49	15.98	16.10	15.96			17.5	0		
16	64QAM	25	0	15.99	16.03	16.03						
16	64QAM	25	12	16.04	16.07	16.04			17.5	0		
16	64QAM	50	0	15.97	16.20	16.05						
16	256QAM	1	25	15.92	16.00	16.00			17.5	0		
16	256QAM	1	26	15.97	16.01	16.04						
16	256QAM	25	12	15.98	15.94	15.97			17.5	0		
16	256QAM	25	12	16.04	16.00	16.00						
16	256QAM	25	25	15.93	16.00	16.00			17.5	0		
16	256QAM	50	0	15.82	16.08	16.07						
Channel												
Frequency [MHz]												
20000	QPSK	1	0	16.17	16.15	16.15			17.5	0		
16	QPSK	1	25	16.11	16.08	16.12						
16	QPSK	1	49	16.08	16.09	16.02			17.5	0		
16	QPSK	1	74	16.07	16.10	16.16						
16	QPSK	25	13	15.93	16.10	16.08			17.5	0		
16	QPSK	25	25	15.97	16.12	16.12						
16	QPSK	25	37	16.00	16.00	16.13			17.5	0		
16	QPSK	1	0	15.93	16.14	16.09						
16	16QAM	1	25	15.91	15.92	15.98			17.5	0		
16	16QAM	1	49	16.06	16.00	16.06						
16	16QAM	25	0	16.08	15.99	15.91			17.5	0		
16	16QAM	25	12	15.85	15.98	15.98						
16	16QAM	25	12	16.04	16.05	16.03			17.5	0		
16	16QAM	50	0	15.88	16.00	16.12						
16	16QAM	1	0	16.08	16.10	16.04			17.5	0		
16	64QAM	1	0	16.00	16.10	16.00						
16	64QAM	1	49	15.98	16.10	15.96			17.5	0		
16	64QAM	25	0	15.99	16.03	16.03						
16	64QAM	25	12	16.04	16.07	16.04			17.5	0		
16	64QAM	50	0	15.97	16.20	16.05						
16	256QAM	1	25	15.92	16.00	16.00			17.5	0		
16	256QAM	1	26	15.97	16.01	16.04						
16	256QAM	25	12	15.98	15.94	15.97			17.5	0		
16	256QAM	25	12	16.04	16.00	16.00						
16	256QAM	25	25	15.93	16.00	16.00			17.5	0		
16	256QAM	50	0	15.82	16.08	16.07						
Channel												
Frequency [MHz]												
20000	QPSK	1	0	16.17	16.15	16.15			17.5	0		
16	QPSK	1	25	16.11	16.08	16.12						
16	QPSK	1	49	16.08	16.09	16.02			17.5	0		
16	QPSK	1	74	16.07	16.10	16.16						
16	QPSK	25	13	15.93	16.10	16.08			17.5	0		
16	QPSK	25	25	15.97	16.12	16.12						
16	QPSK	25	37	16.00	16.00	16.13			17.5	0		
16	QPSK	1	0	15.93	16.14	16.09						
16	16QAM	1	25	15.91	15.92	15.98			17.5	0		
16	16QAM	1	49	16.06	16.00	16.06						
16	16QAM	25	0	16.08	15.99	15.91			17.5	0		
16	16QAM	25	12	15.85	15.98	15.98						
16	16QAM	25	12	16.04	16.05	16.03			17.5	0		
16	16QAM	50	0	15.88	16.00	16.12						
16	16QAM	1	0	16.08	16.10	16.04			17.5	0		
16	64QAM	1	0	16.00	16.10	16.00						
16	64QAM	1	49	15.98	16.10	15.96			17.5	0		
16	64QAM	25	0	15.99	16.03	16.03						
16	64QAM	25	12	16.04	16.07	16.04			17.5	0		
16	64QAM	50	0	15.97	16.20	16.05						
16	256QAM	1	25	15.92	16.00	16.00			17.5	0		
16	256QAM	1	26	15.97	16.01	16.04						
16	256QAM	25	12	15.98	15.94	15.97			17.5	0		
16	256QAM	25	12	16.04	16.00	16.00						
16	256QAM	25	25	15.93	16.00	16.00			17.5	0		
16	256QAM											



Band 7 Ant1 DSI 2 Simultaneous									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MFR (dB)	
Channel									
20065 21100 21375									
20 QPSK	1	0		16.35	16.50	16.65			
20 QPSK	1	49		16.34	16.24	16.28	17.4	0	
20 QPSK	1	99		16.22	16.19	16.17			
20 QPSK	50	0		16.25	16.47	16.37	17.4	0	
20 QPSK	50	24		16.22	16.35	16.17			
20 QPSK	50	50		16.10	16.37	16.37	17.4	0	
20 QPSK	100	0		16.23	16.38	16.30			
20 HQAM	1	0		16.25	16.42	16.33			
20 HQAM	1	49		16.25	16.17	16.18	17.4	0	
20 HQAM	1	99		16.15	16.33	16.36			
20 HQAM	50	0		16.15	16.32	16.12			
20 HQAM	50	24		16.17	16.03	16.11	17.4	0	
20 HQAM	50	50		16.00	16.39	16.27			
20 HQAM	100	0		16.20	16.30	16.25			
20 HQAM	1	49		16.28	16.16	16.21	17.4	0	
20 HQAM	1	99		16.15	16.32	16.32			
20 HQAM	50	0		16.20	16.35	16.25			
20 HQAM	50	24		16.18	16.09	16.15	17.4	0	
20 HQAM	50	50		16.07	16.31	16.23			
20 HQAM	100	0		16.16	16.30	16.18			
20 HQAM	1	0		16.11	16.37	16.24			
20 HQAM	1	49		16.19	16.08	16.14	17.4	0	
20 HQAM	1	99		16.07	16.28	16.27			
20 HQAM	50	0		16.08	16.31	16.23			
20 HQAM	50	24		16.04	16.35	16.23	17.4	0	
20 HQAM	50	50		16.04	16.35	16.23			
20 HQAM	100	0		16.18	16.25	16.22			
20 HQAM	100	0		16.17	16.25	16.22			
Channel									
20065 21100 21375									
Frequency (MHz)	1	0		16.30	16.41	16.30			
15 QPSK	1	0		16.30	16.41	16.30	17.4	0	
15 QPSK	1	37		16.26	16.18	16.22			
15 QPSK	1	74		16.13	16.32	16.34			
15 QPSK	36	0		16.19	16.40	16.29			
15 QPSK	36	26		16.21	16.06	16.27	17.4	0	
15 QPSK	36	39		16.02	16.29	16.28			
15 HQAM	1	0		16.14	16.26	16.21			
15 HQAM	1	37		16.20	16.34	16.23			
15 HQAM	1	74		16.07	16.27	16.27	17.4	0	
15 HQAM	1	74		16.08	16.27	16.29			
15 HQAM	36	0		16.08	16.23	16.22			
15 HQAM	36	26		16.09	16.34	16.23	17.4	0	
15 HQAM	36	39		16.06	16.28	16.28			
15 HQAM	75	0		16.13	16.25	16.05			
15 HQAM	1	0		16.18	16.38	16.17	17.4	0	
15 HQAM	1	37		16.16	16.27	16.18			
15 HQAM	1	74		16.04	16.22	16.27			
15 HQAM	36	0		16.09	16.27	16.19			
15 HQAM	36	26		16.04	16.28	16.28	17.4	0	
15 HQAM	36	39		16.05	16.24	16.14			
15 HQAM	75	0		16.06	16.22	16.06			
15 HQAM	1	0		16.12	16.38	16.14			
15 HQAM	1	37		16.14	16.05	16.04	17.4	0	
15 HQAM	1	74		16.06	16.28	16.19			
15 HQAM	36	0		16.05	16.27	16.11			
15 HQAM	36	26		16.03	16.35	16.23	17.4	0	
15 HQAM	36	39		16.03	16.35	16.23			
15 HQAM	75	0		16.03	16.35	16.23			
15 HQAM	1	0		16.18	16.31	16.17			
15 HQAM	1	26		16.28	16.08	16.15	17.4	0	
15 HQAM	1	74		16.08	16.27	16.29			
15 HQAM	25	0		16.11	16.21	16.27			
15 HQAM	25	12		16.06	16.33	16.26	17.4	0	
15 HQAM	25	26		16.06	16.30	16.20			
15 HQAM	50	0		16.07	16.28	16.11			
15 HQAM	1	0		16.16	16.42	16.14	17.4	0	
15 HQAM	1	24		16.12	16.12	16.06			
15 HQAM	1	49		16.12	16.21	16.22			
15 HQAM	25	0		16.06	16.26	16.20			
15 HQAM	25	12		16.06	16.30	16.20	17.4	0	
15 HQAM	25	26		16.01	16.23	16.12			
15 HQAM	50	0		16.08	16.22	16.08			
15 HQAM	50	0		16.05	16.31	16.24			
15 HQAM	1	25		16.13	16.20	16.12	17.4	0	
15 HQAM	1	49		16.12	16.27	16.23			
15 HQAM	1	99		16.02	16.29	16.13			
15 HQAM	25	12		16.05	16.30	16.13			
15 HQAM	25	26		16.06	16.31	16.15	17.4	0	
15 HQAM	50	0		16.05	16.31	16.15			
15 HQAM	50	0		16.05	16.31	16.15			
15 HQAM	1	0		16.18	16.18	16.09	17.4	0	
15 HQAM	1	24		16.17	16.28	16.22			
15 HQAM	1	49		16.12	16.29	16.13			
15 HQAM	12	0		16.04	16.00	16.11	17.4	0	
15 HQAM	12	13		16.05	16.19	16.14			
15 HQAM	25	0		16.10	16.21	16.11			
15 HQAM	25	0		16.08	16.30	16.09			
15 HQAM	1	0		16.08	16.01	16.09	17.4	0	
15 HQAM	1	24		16.10	16.21	16.14			
15 HQAM	1	49		16.02	16.09	16.11			
15 HQAM	12	7		15.92	15.81	15.96	17.4	0	
15 HQAM	12	13		15.81	16.19	16.04			
15 HQAM	25	0		16.07	16.01	15.93			

Band 12 Ant1 DSI 2 Simultaneous									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MFR (dB)	
Channel									
20065 20900 21100									
Frequency (MHz)	1	0		23.62	23.70	23.64			
10 QPSK	1	0		23.62 <td>23.70<td>23.64</td><td></td><td></td><td></td></td>	23.70 <td>23.64</td> <td></td> <td></td> <td></td>	23.64			
10 QPSK	1	25		23.57	23.53	23.49	24	0	
10 QPSK	1	49		23.48	23.44	23.44			
10 QPSK	25	0		23.54	23.60	23.57			
10 QPSK	25	12		23.58	23.54	23.60	24	0	
10 QPSK	25	25		23.45	23.51	23.49			
10 QPSK	50	0		23.34	23.45	23.27			
10 HQAM	1	0		23.62	23.61	23.49			
10 HQAM	1	25		23.47	23.44	23.50	24	0	
10 HQAM	1	49		23.40	23.58	23.50			
10 HQAM	25	0		22.46	22.40	22.42			
10 HQAM	25	12		22.28	22.27	22.30	23	1	
10 HQAM	25	25		22.42	22.33	22.36			
10 HQAM	50	0		22.19	22.19	22.19			
10 HQAM	1	0		22.59	22.61	22.61			
10 HQAM	1	25		22.70	22.67	22.73	23	1	
10 HQAM	1	49		22.51	22.52	22.48			
10 HQAM	25	0		21.45	21.45	21.41			
10 HQAM	25	12		21.48	21.53	21.51			
10 HQAM	25	0		21.31	21.32	21.36	22	2	
10 HQAM	50	0		19.72	19.61	19.71			
10 HQAM	1	25		19.63	19.77	19.69	20	4	
10 HQAM	1	49		19.61	19.54	19.62			
10 HQAM	25	0		19.85	19.84	19.85			
10 HQAM	25	12		19.81	19.85	19.89	20	4	
10 HQAM	25	25		19.58	19.58	19.58			
10 HQAM	50	0		19.74	19.72	19.73			
Channel									
20065 20900 21100									
Frequency (MHz)	1	0		23.65	23.69	23.61	Turn-on time (sec)	MFR (dB)	
5 QPSK	1	0		23.65 <td>23.69<td>23.61</td><td></td><td></td><td></td></td>	23.69 <td>23.61</td> <td></td> <td></td> <td></td>	23.61			
5 QPSK	1	12		23.63 <td>23.62</td> <td>23.63</td> <td>24</td> <td>0</td> <td></td>	23.62	23.63	24	0	
5 QPSK	1	24		23.39 <td>23.37</td> <td>23.41</td> <td></td> <td></td> <td></td>	23.37	23.41			
5 QPSK	12	0		23.49 <td>23.64</td> <td>23.54</td> <td></td> <td></td> <td></td>	23.64	23.54			
5 QPSK	12	7		23.57 <td>23.52</td> <td>23.59</td> <td>24</td> <td>0</td> <td></td>	23.52	23.59	24	0	
5 QPSK	12	13		23.41 <td>23.39</td> <td>23.47</td> <td></td> <td></td> <td></td>	23.39	23.47			
5 HQAM	25	0		23.31	23.42	23.32			
5 HQAM	1	0		23.68 <td>23.45</td> <td>23.47</td> <td></td> <td></td> <td></td>	23.45	23.47			
5 HQAM	1	12		23.48 <td>23.52</td> <td>23.49</td> <td>24</td> <td>0</td> <td></td>	23.52	23.49	24	0	
5 HQAM	1	24		23.39 <td>23.40</td> <td>23.40</td> <td></td> <td></td> <td></td>	23.40	23.40			
5 HQAM	12	0		22.40 <td>22.39</td> <td>22.37</td> <td></td> <td></td> <td></td>	22.39	22.37			
5 HQAM	12	7		22.24 <td>22.25</td> <td>22.29</td> <td>23</td> <td>1</td> <td></td>	22.25	22.29	23	1	
5 HQAM	12	13		22.28 <td>22.29</td> <td>22.31</td> <td></td> <td></td> <td></td>	22.29	22.31			
5 HQAM	25	0		22.16 <td>22.14</td> <td>22.19</td> <td></td> <td></td> <td></td>	22.14	22.19			
5 HQAM	1	0		22.25 <td>22.58</td> <td>22.59</td> <td></td> <td></td> <td></td>	22.58	22.59			
5 HQAM	1	12		22.65 <td>22.49</td> <td>22.50</td> <td>23</td> <td>1</td> <td></td>	22.49	22.50	23	1	
5 HQAM	1	24		22.49 <td>22.52</td> <td>22.45</td> <td></td> <td></td> <td></td>	22.52	22.45			
5 HQAM	12	0		21.45 <td>21.42</td> <td>21.38</td> <td></td> <td></td> <td></td>	21.42	21.38			
5 HQAM	12	7		21.47 <td>21.45</td> <td>21.45</td> <td></td> <td></td> <td></td>	21.45	21.45			
5 HQAM	12	13		21.31 <td>21.29</td> <td>21.34</td> <td>22</td> <td>2</td> <td></td>	21.29	21.34	22	2	
5 HQAM	25	0		21.44 <td>21.37</td> <td>21.40</td> <td></td> <td></td> <td></td>	21.37	21.40			
5 HQAM	25	0		19.52 <td>19.31</td> <td>19.44</td> <td></td> <td></td> <td></td>	19.31	19.44			
5 HQAM	1	12		19.05 <td>19.77</td> <td>19.05</td> <td>20</td> <td>4</td> <td></td>	19.77	19.05	20	4	
5 HQAM	1	24		19.59 <td>19.63</td> <td>19.57</td> <td></td> <td></td> <td></td>	19.63	19.57			
5 HQAM	1	12		19.13 <td>19.17</td> <td>19.05</td> <td>20</td> <td>4</td> <td></td>	19.17	19.05	20	4	
5 HQAM	1	24		19.17 <td>19.17</td> <td>19.17</td> <td></td> <td></td> <td></td>	19.17	19.17			
5 HQAM	15	0		19.76 <td>19.74</td> <td>19.74</td> <td></td> <td></td> <td></td>	19.74	19.74			
Channel									
20017 20865 21073									
Frequency (MHz)	1	0		23.45	23.53	23.37	Turn-on time (sec)	MFR (dB)	
14 QPSK	1	0		23.45 <th>23.53</th> <th>23.37</th> <td></td> <td></td> <td></td>	23.53	23.37			
14 QPSK	1	3		23.49 <th>23.50</th> <th>23.47</th> <td></td> <td></td> <td></td>	23.50	23.47			
14 QPSK	1	6		23.45 <th>23.50</th> <th>23.47</th> <td></td> <td></td> <td></td>	23.50	23.47			
14 QPSK	3	0		23.49 <th>23.58</th> <th>23.46</th> <td>24</td> <td>0</td> <td></td>	23.58	23.46	24	0	
14 QPSK	3	1		23.59 <th>23.47</th> <th>23.53</th> <td></td> <td></td> <td></td>	23.47	23.53			
14 HQAM	1	0		23.40 <th>23.45</th> <th>23.49</th> <td></td> <td></td> <td></td>	23.45	23.49			
14 HQAM	1	3		23.51 <th>23.48</th> <th>23.37</th> <td>24</td> <td>0</td> <td></td>	23.48	23.37	24	0	
14 HQAM	1	6		23.68 <th>23.67</th> <th>23.37</th> <td></td> <td></td> <td></td>	23.67	23.37			
14 HQAM	3	0		22.44 <th>22.38</th> <th>22.42</th> <td>24</td> <td>0</td> <td></td>	22.38	22.42	24	0	
14 HQAM	3	1		22.21 <th>22.23</th> <th>22.30</th> <td></td> <td></td> <td></td>	22.23	22.30			
14 HQAM	3	2		22.39 <th>22.33</th> <th>22.33</th> <td></td> <td></td> <td></td>	22.33	22.33			
14 HQAM	6	0		22.14 <th>22.17</th> <th>22.16</th> <td>23</td> <td>1</td> <td></td>	22.17	22.16	23	1	
14 HQAM	6	1		22.15 <th>22.15</th> <th>22.15</th> <td></td> <td></td> <td></td>	22.15	22.15			
14 HQAM	1	3		22.85 <th>22.62</th> <th>22.87</th>	22.62	22.87			
14 HQAM	1	6		22.47 <th>22.46</th> <th>22.42</th> <td></td> <td></td> <td></td>	22.46	22.42			
14 HQAM	3	0		21.44 <th>21.42</th> <th>21.41</th> <td>24</td> <td>0</td> <td></td>	21.42	21.41	24	0	
14 HQAM	3	1		21.41	21.50	21.65			
14 HQAM	3	2		21.31	21.29	21.34	23	1	
14 HQAM	6	0		21.48 <th>21.42</th> <th>21.47</th> <td>22</td> <td>2</td> <td></td>	21.42	21.47	22	2	
14 HQAM	1	0		19.85 <th>19.84</th> <th>19.70</th> <td></td> <td></td> <td></td>	19.84	19.70			
14 HQAM	1	3		19.74 <th>19.78</th> <th>19.72</th> <td></td> <td></td> <td></td>	19.78	19.72			
14 HQAM	1	6		19.52 <th>19.58</th> <th>19.52</th> <td></td> <td></td> <td></td>	19.58	19.52			
14 HQAM	3	0		19.61 <th>19.88</th> <th>19.93</th> <td>20</td> <td>4</td> <td></td>	19.88	19.93	20	4	
14 HQAM	3	1		19.80 <th>19.88</th> <th>19.85</th> <td></td> <td></td> <td></td>	19.88	19.85			
14 HQAM	3	2		19.68 <th>19.68</th> <th>19.68</th> <td></td> <td></td> <td></td>	19.68	19.68			
14 HQAM	6	0		19.80 <th>19.73</th> <th>19.75</th> <td>20</td> <td>4</td> <td></td>	19.73	19.75	20	4	

Band 26 Ant1 DSI 2 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Init. (dB)	APR3 (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.20	20.21	20.08	20.6	0				
15	QPSK	1	3	20.17	20.13	20.20						
15	QPSK	1	74	20.02	20.16	20.15						
15	QPSK	36	20	20.11	20.02	20.14						
15	QPSK	36	39	19.88	20.06	20.01	20.6	0				
15	QPSK	75	0	20.07	20.11	20.00						
15	16QAM	1	0	20.13	20.05	20.14						
15	16QAM	1	37	19.90	20.07	20.06						
15	16QAM	1	74	20.07	20.11	19.99	20.6	0				
15	16QAM	36	0	19.96	20.04	20.09						
15	16QAM	36	20	19.90	20.01	20.07						
15	16QAM	36	39	20.11	20.07	19.92						
15	16QAM	75	0	20.12	20.04	20.20	20.6	0				
15	16QAM	75	0	20.14	20.11	19.95						
15	64QAM	1	37	20.08	20.08	20.07						
15	64QAM	1	74	19.86	20.09	20.04						
15	64QAM	36	20	19.39	19.49	19.41	20.6	0				
15	64QAM	36	39	19.41	19.45	19.40						
15	64QAM	75	0	19.38	19.42	19.43						
15	256QAM	1	0	17.47	17.50	17.47						
15	256QAM	1	37	17.42	17.43	17.43	19	1.6				
15	256QAM	1	74	17.67	17.55	17.55						
15	256QAM	36	0	17.24	17.28	17.24						
15	256QAM	36	20	17.16	17.12	17.07						
15	256QAM	36	39	17.20	17.18	17.15	19	1.6				
15	256QAM	75	0	17.04	17.09	17.09						
Channel												
Frequency (MHz)									Turn-up Init. (dB)	APR3 (dB)		
15	QPSK	1	0	20.16	20.11	20.04	20.6	0				
15	QPSK	1	20	19.91	20.08	20.06						
15	QPSK	1	49	19.01	20.02	20.10						
15	QPSK	26	0	20.01	20.04	19.92						
15	QPSK	26	12	19.97	19.98	20.07	20.6	0				
15	QPSK	26	25	19.79	19.90	19.95						
15	QPSK	50	0	20.00	19.96	19.92						
15	16QAM	1	0	20.02	19.91	20.10						
15	16QAM	1	29	19.84	20.03	19.93	20.6	0				
15	16QAM	1	49	19.78	20.04	19.95						
15	16QAM	25	0	19.98	19.94	20.04						
15	16QAM	25	12	19.75	19.93	19.95		20.6	0			
15	16QAM	25	25	19.75	19.93	19.95						
15	16QAM	50	0	20.01	19.95	20.06						
15	64QAM	1	0	20.02	20.00	19.98	20.6	0				
15	64QAM	1	26	19.97	20.00	19.99						
15	64QAM	1	49	19.78	20.04	19.95						
15	64QAM	25	0	19.29	19.27	19.36		20.6	0			
15	64QAM	25	12	19.34	19.34	19.34						
15	64QAM	25	25	19.32	19.33	19.30						
15	64QAM	50	0	19.92	19.28	19.36						
15	256QAM	1	0	17.37	17.37	17.37	19	1.6				
15	256QAM	1	25	17.28	17.34	17.42						
15	256QAM	1	49	17.40	17.43	17.50						
15	256QAM	36	0	17.15	17.14	17.13		19	1.6			
15	256QAM	36	20	17.08	17.18	17.27						
15	256QAM	36	39	17.15	17.10	17.07						
15	256QAM	50	0	17.12	17.14	17.12						
Channel												
Frequency (MHz)							Turn-up Init. (dB)	APR3 (dB)				
5	QPSK	1	0	20.04	20.05	20.06	20.6	0				
5	QPSK	1	12	20.09	19.98	20.15						
5	QPSK	1	24	19.92	20.08	20.07						
5	QPSK	12	0	20.06	20.00	20.06		20.6	0			
5	QPSK	12	7	19.99	19.95	20.08						
5	QPSK	12	13	19.81	19.99	19.93						
5	QPSK	36	0	20.05	19.99	20.05		20.6	0			
5	16QAM	1	0	20.05	19.99	19.99						
5	16QAM	1	12	19.84	19.92	19.91						
5	16QAM	1	24	19.94	19.91	19.97		20.6	0			
5	16QAM	12	0	19.95	19.91	19.97						
5	16QAM	12	7	19.84	19.89	19.97						
5	16QAM	12	13	19.91	19.94	19.93		20.6	0			
5	16QAM	25	0	20.01	19.95	20.05						
5	16QAM	25	0	20.00	20.07	19.99						
5	64QAM	1	0	19.93	19.95	19.94	20.6	0				
5	64QAM	1	24	19.79	19.96	20.00						
5	64QAM	12	0	19.92	19.91	19.92		20.6	0			
5	64QAM	12	7	19.92	19.91	19.92						
5	64QAM	12	13	19.95	19.96	19.97		20.6	0			
5	64QAM	25	0	19.35	19.36	19.27						
5	64QAM	25	0	19.26	19.28	19.40		19	1.6			
5	256QAM	1	0	17.40	17.41	17.40						
5	256QAM	1	12	17.37	17.39	17.45						
5	256QAM	1	24	17.45	17.45	17.52		19	1.6			
5	256QAM	12	0	17.15	17.15	17.15						
5	256QAM	12	7	17.05	17.36	17.11						
5	256QAM	12	13	17.06	17.10	17.05		19	1.6			
5	256QAM	25	0	17.35	17.00	17.28						
Channel												
Frequency (MHz)							Turn-up Init. (dB)	APR3 (dB)				
3	QPSK	1	0	20.15	20.09	20.06	20.6	0				
3	QPSK	1	8	20.02	20.01	20.15						
3	QPSK	1	14	19.95	20.09	20.07		20.6	0			
3	QPSK	8	0	19.95	20.04	19.90						
3	QPSK	8	4	20.04	19.95	20.04		20.6	0			
3	QPSK	8	7	19.82	19.94	19.88						
3	QPSK	16	0	19.95	19.95	19.95		20.6	0			
3	16QAM	1	0	20.04	19.99	20.09						
3	16QAM	1	8	19.82	19.97	19.91		20.6	0			
3	16QAM	1	16	19.95	19.95	19.95						
3	16QAM	8	0	20.00	19.99	20.00		20.6	0			
3	16QAM	8	4	19.84	19.85	19.92						
3	16QAM	16	0	20.02	19.92	20.00		20.6	0			
3	64QAM	1	0	20.01	19.97	19.98						
3	64QAM	1	8	19.96	20.01	19.93		20.6	0			
3	64QAM	1	14	19.71	20.04	19.97						
3	64QAM	8	0	19.39	19.29	19.31		20.6	0			
3	64QAM	8	4	19.25	19.45	19.40						
3	64QAM	8	7	19.27	19.35	19.26		20.6	0			
3	64QAM	16	0	19.31	19.35	19.39						
3	256QAM	1	0	17.41	17.39	17.44	19	1.6				
3	256QAM	1	8	17.31	17.39	17.43	19	1.6				
3	256QAM	1	14	17.42	17.45	17.48						
3	256QAM	8	0	17.13	17.12	17.11						
3	256QAM	8	4	17.13	17.01	17.23						
3	256QAM	8	7	17.12	17.13	17.09						
3	256QAM	16	0	17.19	17.39	17.05						
Channel												
Frequency (MHz)							Turn-up Init. (dB)	APR3 (dB)				
1.4	QPSK	1	0	20.06	20.05	20.03	20.6	0				
1.4	QPSK	1	3	20.13	20.08	20.09						
1.4	QPSK	1	5	19.94	20.09	20.03		20.6	0			
1.4	QPSK	1	10	19.93	20.04	20.00						
1.4	QPSK	1	1	20.05	19.95	20.09		20.6	0			
1.4	QPSK	3	3	19.87	20.00	19.94						
1.4	QPSK	3	6	19.95	19.96	19.98		20.6	0			
1.4	QPSK	6	0	20.03	19.95	20.10						
1.4	16QAM	1	3	19.83	19.94	20.01		20.6	0			
1.4	16QAM	1	6	19.95	20.07	19.98						
1.4	16QAM	3	3	19.80	19.91	19.97		20.6	0			
1.4	16QAM	3	6	19.92	19.99	19.97						
1.4	16QAM	6	0	20.04	19.91	20.01		20.6	0			
1.4	16QAM	6	3	19.98	20.07	19.93						
1.4	16QAM	1	0	19.96	19.97	19.93		20.6	0			
1.4	16QAM	1	3	19.76	19.96	19.94						
1.4	16QAM	3	0	20.09	19.97	19.98		20.6	0			
1.4	16QAM	3	3	19.93	19.96	19.96						
1.4	16QAM	6	0	19.79	19.95	19.90		20.6	0			
1.4	16QAM	6	3	19.30	19.34	19.34						
1.4	256QAM	1	0	17.05	17.27	17.27	19	1.6				
1.4	256QAM	1	3	17.30	17.37	17.40						
1.4	256QAM	1	5	17.46	17.45	17.48						
1.4	256QAM	3	0	17.12	17.24	17.12						
1.4	256QAM	3	3	17.04	17.18	17.14						
1.4	256QAM	3	6	17.14	17.09	17.08						
Channel												
Frequency (MHz)							Turn-up Init. (dB)	APR3 (dB)				
1.4	QPSK	1	0	20.06	20.05	20.03	20.6	0				
1.4	QPSK	1	3	20.13	20.08	20.09						
1.4	QPSK	1	5	19.94	20.09	20.03						
1.4	QPSK	1	10	19.93	20.04	20.00		20.6	0			
1.4	QPSK	1	1	20.05	19.95	20.09						
1.4	QPSK	3	3	19.87	20.00	19.94						
1.4	QPSK	3	6	19.95	19.96	19.98		20.6	0			
1.4	QPSK	6	0	20.03	19.95	20.10						
1.4	16QAM	1	3	19.83	19.94	20.01						
1.4	16QAM	1	6	19.95	20.07	19.98		20.6	0			
1.4	16QAM	3	3	19.80	19.91	19.97						
1.4	16QAM	3	6	19.92	19.99	19.97						
1.4	16QAM	6	0	20.04	19.91	20.01		20.6	0			
1.4	16QAM	6	3	19.98	20.07	19.93						
1.4	16QAM	1	0	19.96	19.97	19.93						
1.4	16QAM	1	3	19.76	19.96	19.94	20.6	0				
1.4	16QAM	3	0	20.09	19.97	19.98						
1.4	16QAM	3	3	19.93	19.96	19.96						
1.4	16QAM	6	0	19.79	19.95	19.90	20.6	0				
1.4	16QAM	6	3	19.30	19.34	19.34						
1.4	256QAM	1	0	17.05	17.27	17.27		19	1.6			
1.4	256QAM	1	3	17.30	17.37	17.40						

Band 38 Ant1 PC2&PC3 DSI 2 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	17.75	17.80	17.54	19.1	0	
20	QPSK	1	49	17.54	17.40	17.52			
20	QPSK	1	99	17.46	17.68	17.60			
20	QPSK	50	0	17.40	17.59	17.51	19.1	0	
20	QPSK	50	24	17.54	17.33	17.47			
20	QPSK	50	50	17.27	17.56	17.51			
20	QPSK	100	0	17.47	17.53	17.52	19.1	0	
20	16QAM	1	0	17.45	17.64	17.53			
20	16QAM	1	49	17.42	17.45	17.40			
20	16QAM	1	99	17.27	17.48	17.55	19.1	0	
20	16QAM	50	0	17.39	17.61	17.44			
20	16QAM	50	24	17.38	17.29	17.25			
20	16QAM	50	50	17.14	17.55	17.43	19.1	0	
20	16QAM	100	0	17.37	17.50	17.38			
20	64QAM	1	0	17.45	17.63	17.44			
20	64QAM	1	49	17.46	17.44	17.41	19.1	0	
20	64QAM	1	99	17.39	17.52	17.51			
20	64QAM	50	0	17.43	17.55	17.51			
20	64QAM	50	24	17.30	17.21	17.30	19.1	0	
20	64QAM	50	50	17.26	17.47	17.41			
20	64QAM	100	0	17.38	17.55	17.38			
20	256QAM	1	0	17.35	17.58	17.40	19	0.1	
20	256QAM	1	49	17.44	17.36	17.32			
20	256QAM	1	99	17.32	17.44	17.44			
20	256QAM	50	0	17.28	17.41	17.42	19	0.1	
20	256QAM	50	24	17.17	17.11	17.17			
20	256QAM	50	50	17.40	17.42	17.47			
20	256QAM	100	0	17.38	17.31	17.30	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.71	17.64	17.37			
15	QPSK	1	37	17.47	17.23	17.41	19.1	0	
15	QPSK	1	74	17.38	17.56	17.47			
15	QPSK	36	0	17.37	17.49	17.45			
15	QPSK	36	20	17.41	17.18	17.31	19.1	0	
15	QPSK	36	39	17.11	17.46	17.38			
15	QPSK	75	0	17.37	17.39	17.50			
15	16QAM	1	0	17.30	17.51	17.37	19.1	0	
15	16QAM	1	37	17.33	17.38	17.28			
15	16QAM	1	74	17.24	17.34	17.39			
15	16QAM	36	0	17.23	17.51	17.40	19.1	0	
15	16QAM	36	20	17.35	17.16	17.15			
15	16QAM	36	39	17.20	17.43	17.32			
15	16QAM	75	0	17.24	17.42	17.23	19.1	0	
15	64QAM	1	0	17.36	17.57	17.31			
15	64QAM	1	37	17.34	17.36	17.26			
15	64QAM	1	74	17.32	17.37	17.41	19.1	0	
15	64QAM	36	0	17.26	17.39	17.35			
15	64QAM	36	20	17.26	17.17	17.19			
15	64QAM	36	39	17.21	17.30	17.25	19	0.1	
15	64QAM	75	0	17.28	17.42	17.34			
15	256QAM	1	0	17.26	17.48	17.32			
15	256QAM	1	37	17.42	17.25	17.19	19	0.1	
15	256QAM	1	74	17.28	17.29	17.38			
15	256QAM	36	0	17.22	17.34	17.31			
15	256QAM	36	20	17.37	17.45	17.10	19	0.1	
15	256QAM	36	39	17.26	17.24	17.35			
15	256QAM	75	0	17.22	17.21	17.27			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	17.70	17.77	17.51	19.1	0	
10	QPSK	1	25	17.47	17.31	17.44			
10	QPSK	1	49	17.44	17.61	17.50			
10	QPSK	25	0	17.30	17.46	17.41	19.1	0	
10	QPSK	25	12	17.46	17.25	17.37			
10	QPSK	25	25	17.19	17.46	17.38			
10	QPSK	50	0	17.42	17.50	17.48	19.1	0	
10	16QAM	1	0	17.37	17.58	17.49			
10	16QAM	1	25	17.37	17.42	17.27			
10	16QAM	1	49	17.14	17.41	17.48	19.1	0	
10	16QAM	25	0	17.27	17.58	17.41			
10	16QAM	25	12	17.25	17.24	17.15			
10	16QAM	25	25	17.11	17.51	17.38	19.1	0	
10	16QAM	50	0	17.33	17.39	17.27			
10	64QAM	1	0	17.34	17.51	17.40			
10	64QAM	1	25	17.42	17.38	17.37	19.1	0	
10	64QAM	1	49	17.30	17.40	17.40			
10	64QAM	25	0	17.31	17.46	17.46			
10	64QAM	25	12	17.19	17.17	17.20	19.1	0	
10	64QAM	25	25	17.20	17.44	17.38			
10	64QAM	50	0	17.35	17.48	17.35			
10	256QAM	1	0	17.23	17.45	17.38	19	0.1	
10	256QAM	1	25	17.30	17.30	17.23			
10	256QAM	1	49	17.28	17.35	17.38			
10	256QAM	25	0	17.18	17.32	17.29	19	0.1	
10	256QAM	25	12	17.14	17.13	17.22			
10	256QAM	25	25	17.09	17.39	17.43			
10	256QAM	50	0	17.31	17.18	17.17	Tune-up limit (dBm)	MPR (dB)	
Channel				3777.5	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.67	17.73	17.51			
5	QPSK	1	12	17.50	17.33	17.47	19.1	0	
5	QPSK	1	24	17.40	17.61	17.49			
5	QPSK	12	0	17.35	17.51	17.42			
5	QPSK	12	7	17.47	17.26	17.42	19.1	0	
5	QPSK	12	13	17.19	17.45	17.45			
5	QPSK	25	0	17.43	17.47	17.45			
5	16QAM	1	0	17.42	17.55	17.42	19.1	0	
5	16QAM	1	12	17.31	17.34	17.35			
5	16QAM	1	24	17.23	17.44	17.45			
5	16QAM	12	0	17.30	17.58	17.35	19.1	0	
5	16QAM	12	7	17.32	17.25	17.19			
5	16QAM	12	13	17.33	17.48	17.34			
5	16QAM	25	0	17.30	17.45	17.29	19.1	0	
5	64QAM	1	0	17.35	17.57	17.38			
5	64QAM	1	12	17.38	17.34	17.35			
5	64QAM	1	24	17.34	17.46	17.42	19.1	0	
5	64QAM	12	0	17.40	17.47	17.46			
5	64QAM	12	7	17.27	17.16	17.20			
5	64QAM	12	13	17.22	17.41	17.36	19	0.1	
5	64QAM	25	0	17.30	17.46	17.31			
5	256QAM	1	0	17.29	17.52	17.34			
5	256QAM	1	12	17.36	17.30	17.28	19	0.1	
5	256QAM	1	24	17.23	17.35	17.38			
5	256QAM	12	0	17.21	17.32	17.38			
5	256QAM	12	7	17.10	17.37	17.12	19	0.1	
5	256QAM	12	13	17.16	17.37	17.39			
5	256QAM	25	0	17.31	17.25	17.24			

Band 38 Ant1 PC2&PC3 DSI 2 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Lower Ch. / Freq.	Power Middle Ch. / Freq.	Power Higher Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	16.28	16.46	16.34	17.8	0	
20	QPSK	1	49	16.26	16.19	16.19			
20	QPSK	1	99	16.14	16.35	16.39			
20	QPSK	50	0	16.21	16.42	16.26	17.8	0	
20	QPSK	50	24	16.20	16.11	16.10			
20	QPSK	50	50	16.07	16.34	16.27			
20	QPSK	100	0	16.13	16.29	16.25	17.8	0	
20	16QAM	1	0	16.18	16.39	16.29			
20	16QAM	1	49	16.14	16.11	16.12			
20	16QAM	1	99	16.06	16.27	16.27	17.8	0	
20	16QAM	50	0	16.10	16.24	16.24			
20	16QAM	50	24	16.12	15.95	16.06			
20	16QAM	50	50	15.97	16.31	16.22	17.8	0	
20	16QAM	100	0	16.14	16.26	16.12			
20	64QAM	1	0	16.14	16.36	16.23			
20	64QAM	1	49	16.21	16.08	16.15	17.8	0	
20	64QAM	1	99	16.09	16.28	16.28			
20	64QAM	50	0	16.17	16.31	16.20			
20	64QAM	50	24	16.12	16.06	16.07	17.8	0	
20	64QAM	50	50	16.01	16.26	16.13			
20	64QAM	100	0	16.06	16.20	16.14			
20	256QAM	1	0	16.06	16.32	16.15	17.8	0	
20	256QAM	1	49	16.11	16.03	16.10			
20	256QAM	1	99	16.02	16.23	16.23			
20	256QAM	50	0	15.99	16.15	16.15	17.8	0	
20	256QAM	50	24	15.95	15.88	15.95			
20	256QAM	50	50	15.80	16.18	16.14			
20	256QAM	100	0	16.06	16.09	15.95	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	16.25	16.38	16.29	17.8	0	
15	QPSK	1	37	16.19	16.09	16.13			
15	QPSK	1	74	16.10	16.27	16.35			
15	QPSK	36	0	16.10	16.35	16.17	17.8	0	
15	QPSK	36	20	16.11	16.02	16.07			
15	QPSK	36	39	15.97	16.24	16.21			
15	QPSK	75	0	16.06	16.19	16.20	17.8	0	
15	16QAM	1	0	16.08	16.31	16.25			
15	16QAM	1	37	16.08	16.02	16.05			
15	16QAM	1	74	16.00	16.20	16.23	17.8	0	
15	16QAM	36	0	16.04	16.16	16.14			
15	16QAM	36	20	16.04	15.84	15.98			
15	16QAM	36	39	15.92	16.22	16.17	17.8	0	
15	16QAM	75	0	16.06	16.16	16.04			
15	64QAM	1	0	16.06	16.31	16.18			
15	64QAM	1	37	16.12	15.97	16.10	17.8	0	
15	64QAM	1	74	16.01	16.16	16.22			
15	64QAM	36	0	16.07	16.28	16.16			
15	64QAM	36	20	16.05	15.98	16.02	17.8	0	
15	64QAM	36	39	15.95	16.18	16.02			
15	64QAM	75	0	16.03	16.16	16.08			
15	256QAM	1	0	16.00	16.26	16.11	17.8	0	
15	256QAM	1	37	16.05	15.96	16.00			
15	256QAM	1	74	15.97	16.15	16.16			
15	256QAM	36	0	15.88	16.11	16.11	17.8	0	
15	256QAM	36	20	15.87	15.82	15.87			
15	256QAM	36	39	15.97	16.12	16.07			
15	256QAM	75	0	16.00	16.04	15.89	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	16.19	16.36	16.22	17.8	0	
10	QPSK	1	25	16.16	16.12	16.10			
10	QPSK	1	49	16.05	16.27	16.27			
10	QPSK	25	0	16.13	16.36	16.16	17.8	0	
10	QPSK	25	12	16.09	16.00	16.03			
10	QPSK	25	25	15.98	16.23	16.22			
10	QPSK	50	0	16.04	16.18	16.15	17.8	0	
10	16QAM	1	0	16.10	16.27	16.18			
10	16QAM	1	25	16.05	16.05	16.04			
10	16QAM	1	49	15.93	16.21	16.22	17.8	0	
10	16QAM	25	0	15.99	16.19	15.98			
10	16QAM	25	12	16.00	15.83	16.03			
10	16QAM	25	25	15.91	16.20	16.12	17.8	0	
10	16QAM	50	0	16.06	16.10	16.01			
10	64QAM	1	0	16.09	16.31	16.11			
10	64QAM	1	25	16.09	15.99	16.06	17.8	0	
10	64QAM	1	49	16.00	16.15	16.21			
10	64QAM	25	0	16.05	16.22	16.11			
10	64QAM	25	12	16.01	16.00	15.95	17.8	0	
10	64QAM	25	25	15.93	16.18	16.05			
10	64QAM	50	0	15.95	16.12	16.02			
10	256QAM	1	0	15.95	16.27	16.06	17.8	0	
10	256QAM	1	25	16.02	15.96	15.97			
10	256QAM	1	49	15.93	16.14	16.14			
10	256QAM	25	0	15.90	16.05	16.08	17.8	0	
10	256QAM	25	12	15.83	15.80	15.89			
10	256QAM	25	25	15.94	16.07	16.08			
10	256QAM	50	0	15.97	16.02	15.88	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	16.25	16.35	16.23	17.8	0	
5	QPSK	1	12	16.21	16.17	16.06			
5	QPSK	1	24	16.07	16.31	16.36			
5	QPSK	12	0	16.07	16.40	16.17	17.8	0	
5	QPSK	12	7	16.17	16.00	16.02			
5	QPSK	12	13	16.01	16.30	16.14			
5	QPSK	25	0	16.10	16.23	16.13	17.8	0	
5	16QAM	1	0	16.12	16.31	16.19			
5	16QAM	1	12	16.06	16.04	16.03			
5	16QAM	1	24	15.98	16.20	16.14	17.8	0	
5	16QAM	12	0	16.03	16.20	16.11			
5	16QAM	12	7	16.03	15.81	16.02			
5	16QAM	12	13	15.85	16.24	16.19	17.8	0	
5	16QAM	25	0	16.02	16.21	16.08			
5	64QAM	1	0	16.03	16.27	16.10			
5	64QAM	1	12	16.11	16.02	16.11	17.8	0	
5	64QAM	1	24	16.02	16.15	16.15			
5	64QAM	12	0	16.07	16.18	16.14			
5	64QAM	12	7	16.08	15.99	15.96	17.8	0	
5	64QAM	12	13	15.83	16.17	16.02			
5	64QAM	25	0	15.95	16.13	16.07			
5	256QAM	1	0	15.99	16.19	16.01	17.8	0	
5	256QAM	1	12	15.99	15.91	16.02			
5	256QAM	1	24	15.90	16.16	16.20			
5	256QAM	12	0	15.92	16.05	16.13	17.8	0	
5	256QAM	12	7	15.83	15.82	15.91			
5	256QAM	12	13	16.09	16.12	16.02			
5	256QAM	25	0	15.95	16.02	15.88			

Band 42 Ant4 DSI 2 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	16.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	15.61	15.68	15.57	16.5	0	
20	QPSK	1	49	15.55	15.52	15.61			
20	QPSK	1	99	15.58	15.56	15.47			
20	QPSK	50	0	15.58	15.63	15.43			
20	QPSK	50	24	15.45	15.44	15.51	16.5	0	
20	QPSK	50	50	15.46	15.47	15.58			
20	QPSK	100	0	15.57	15.59	15.49			
20	16QAM	1	0	15.61	15.62	15.52			
20	16QAM	1	49	15.50	15.50	15.50	16.5	0	
20	16QAM	1	99	15.47	15.50	15.45			
20	16QAM	50	0	15.56	15.63	15.34			
20	16QAM	50	24	15.39	15.41	15.40			
20	16QAM	50	50	15.46	15.42	15.54	16.5	0	
20	16QAM	100	0	15.49	15.52	15.44			
20	64QAM	1	0	15.55	15.58	15.53			
20	64QAM	1	49	15.48	15.39	15.47			
20	64QAM	1	99	15.52	15.51	15.40	16.5	0	
20	64QAM	50	0	15.46	15.60	15.40			
20	64QAM	50	24	15.36	15.31	15.44			
20	64QAM	50	50	15.41	15.38	15.50			
20	64QAM	100	0	15.44	15.48	15.41	16.5	0	
20	256QAM	1	0	15.48	15.55	15.48			
20	256QAM	1	49	15.45	15.46	15.43			
20	256QAM	1	99	15.43	15.44	15.38			
20	256QAM	50	0	15.48	15.59	15.28	16.5	0	
20	256QAM	50	24	15.25	15.31	15.30			
20	256QAM	50	50	15.34	15.39	15.50			
20	256QAM	100	0	15.44	15.46	15.40			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	15.47	15.64	15.48	16.5	0	
15	QPSK	1	37	15.46	15.40	15.53			
15	QPSK	1	74	15.50	15.45	15.44			
15	QPSK	36	0	15.52	15.50	15.32			
15	QPSK	36	20	15.39	15.35	15.45	16.5	0	
15	QPSK	36	39	15.41	15.34	15.51			
15	QPSK	75	0	15.51	15.46	15.45			
15	16QAM	1	0	15.49	15.56	15.47			
15	16QAM	1	37	15.37	15.41	15.45	16.5	0	
15	16QAM	1	74	15.41	15.43	15.37			
15	16QAM	36	0	15.44	15.58	15.26			
15	16QAM	36	20	15.27	15.36	15.31			
15	16QAM	36	39	15.38	15.28	15.46	16.5	0	
15	16QAM	75	0	15.36	15.39	15.39			
15	64QAM	1	0	15.49	15.50	15.40			
15	64QAM	1	37	15.37	15.29	15.44			
15	64QAM	1	74	15.43	15.41	15.25	16.5	0	
15	64QAM	36	0	15.33	15.47	15.31			
15	64QAM	36	20	15.33	15.22	15.37			
15	64QAM	36	39	15.32	15.28	15.40			
15	64QAM	75	0	15.37	15.41	15.27	16.5	0	
15	256QAM	1	0	15.40	15.46	15.43			
15	256QAM	1	37	15.31	15.33	15.30			
15	256QAM	1	74	15.34	15.32	15.31			
15	256QAM	36	0	15.39	15.52	15.18	16.5	0	
15	256QAM	36	20	15.19	15.21	15.16			
15	256QAM	36	39	15.20	15.35	15.41			
15	256QAM	75	0	15.39	15.41	15.32			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	15.48	15.54	15.49	16.5	0	
10	QPSK	1	25	15.48	15.40	15.52			
10	QPSK	1	49	15.45	15.51	15.35			
10	QPSK	25	0	15.53	15.57	15.30			
10	QPSK	25	12	15.32	15.37	15.44	16.5	0	
10	QPSK	25	25	15.41	15.34	15.53			
10	QPSK	50	0	15.50	15.46	15.41			
10	16QAM	1	0	15.54	15.57	15.40			
10	16QAM	1	25	15.44	15.45	15.36	16.5	0	
10	16QAM	1	49	15.35	15.37	15.38			
10	16QAM	25	0	15.47	15.55	15.28			
10	16QAM	25	12	15.26	15.28	15.27			
10	16QAM	25	25	15.36	15.34	15.43	16.5	0	
10	16QAM	50	0	15.44	15.43	15.37			
10	64QAM	1	0	15.44	15.45	15.40			
10	64QAM	1	25	15.36	15.29	15.41			
10	64QAM	1	49	15.39	15.38	15.30	16.5	0	
10	64QAM	25	0	15.40	15.54	15.32			
10	64QAM	25	12	15.28	15.26	15.39			
10	64QAM	25	25	15.36	15.32	15.37			
10	64QAM	50	0	15.39	15.39	15.30	16.5	0	
10	256QAM	1	0	15.37	15.46	15.38			
10	256QAM	1	25	15.36	15.40	15.38			
10	256QAM	1	49	15.33	15.38	15.25			
10	256QAM	25	0	15.38	15.49	15.22	16.5	0	
10	256QAM	25	12	15.19	15.19	15.25			
10	256QAM	25	25	15.27	15.28	15.39			
10	256QAM	50	0	15.39	15.34	15.34			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	15.52	15.62	15.46	16.5	0	
5	QPSK	1	12	15.47	15.43	15.55			
5	QPSK	1	24	15.53	15.48	15.41			
5	QPSK	12	0	15.51	15.56	15.35			
5	QPSK	12	7	15.35	15.33	15.43	16.5	0	
5	QPSK	12	13	15.35	15.37	15.51			
5	QPSK	25	0	15.51	15.50	15.41			
5	16QAM	1	0	15.53	15.52	15.46			
5	16QAM	1	12	15.43	15.41	15.41	16.5	0	
5	16QAM	1	24	15.38	15.42	15.34			
5	16QAM	12	0	15.47	15.55	15.24			
5	16QAM	12	7	15.31	15.32	15.30			
5	16QAM	12	13	15.37	15.31	15.44	16.5	0	
5	16QAM	25	0	15.42	15.45	15.36			
5	64QAM	1	0	15.50	15.50	15.43			
5	64QAM	1	12	15.38	15.32	15.41			
5	64QAM	1	24	15.46	15.45	15.30	16.5	0	
5	64QAM	12	0	15.36	15.50	15.34			
5	64QAM	12	7	15.26	15.23	15.34			
5	64QAM	12	13	15.32	15.33	15.40			
5	64QAM	25	0	15.36	15.41	15.31	16.5	0	
5	256QAM	1	0	15.39	15.46	15.40			
5	256QAM	1	12	15.36	15.40	15.35			
5	256QAM	1	24	15.33	15.36	15.33			
5	256QAM	12	0	15.37	15.49	15.18	16.5	0	
5	256QAM	12	7	15.18	15.22	15.20			
5	256QAM	12	13	15.26	15.30	15.40			
5	256QAM	25	0	15.36	15.38	15.34			

Band 42 Ant4 DSI 2 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	15.2	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	14.31	14.38	14.25	15.2	0	
20	QPSK	1	49	14.25	14.23	14.34			
20	QPSK	1	99	14.29	14.25	14.16			
20	QPSK	50	0	14.25	14.35	14.11	15.2	0	
20	QPSK	50	24	14.17	14.12	14.18			
20	QPSK	50	50	14.14	14.15	14.29			
20	QPSK	100	0	14.26	14.31	14.22	15.2	0	
20	16QAM	1	0	14.28	14.29	14.20			
20	16QAM	1	49	14.17	14.17	14.22			
20	16QAM	1	99	14.14	14.20	14.15	15.2	0	
20	16QAM	50	0	14.29	14.33	14.04			
20	16QAM	50	24	14.10	14.12	14.09			
20	16QAM	50	50	14.14	14.13	14.26	15.2	0	
20	16QAM	100	0	14.20	14.24	14.12			
20	64QAM	1	0	14.24	14.30	14.23			
20	64QAM	1	49	14.20	14.11	14.16	15.2	0	
20	64QAM	1	99	14.22	14.20	14.10			
20	64QAM	50	0	14.14	14.29	14.10			
20	64QAM	50	24	14.08	13.99	14.13	15.2	0	
20	64QAM	50	50	14.12	14.06	14.20			
20	64QAM	100	0	14.14	14.16	14.13			
20	256QAM	1	0	14.16	14.28	14.20	15.2	0	
20	256QAM	1	49	14.16	14.13	14.11			
20	256QAM	1	99	14.14	14.17	14.08			
20	256QAM	50	0	14.19	14.28	13.98	15.2	0	
20	256QAM	50	24	13.93	14.03	13.99			
20	256QAM	50	50	14.04	14.06	14.22			
20	256QAM	100	0	14.17	14.15	14.12	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015	15.2 <th rowspan="2">0<th rowspan="2"></th></th>	0 <th rowspan="2"></th>	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	14.19	14.32	14.16	15.2	0	
15	QPSK	1	37	14.15	14.11	14.28			
15	QPSK	1	74	14.20	14.13	14.06			
15	QPSK	36	0	14.19	14.29	14.01	15.2	0	
15	QPSK	36	20	14.05	14.03	14.08			
15	QPSK	36	39	14.02	14.06	14.18			
15	QPSK	75	0	14.16	14.20	14.10	15.2	0	
15	16QAM	1	0	14.20	14.18	14.11			
15	16QAM	1	37	14.08	14.07	14.15			
15	16QAM	1	74	14.08	14.11	14.06	15.2	0	
15	16QAM	36	0	14.22	14.24	13.98			
15	16QAM	36	20	14.00	14.01	14.01			
15	16QAM	36	39	14.04	14.02	14.16	15.2	0	
15	16QAM	75	0	14.10	14.17	14.05			
15	64QAM	1	0	14.13	14.18	14.12			
15	64QAM	1	37	14.13	14.03	14.09	15.2	0	
15	64QAM	1	74	14.11	14.11	14.02			
15	64QAM	36	0	14.07	14.22	13.98			
15	64QAM	36	20	14.02	13.91	14.06	15.2	0	
15	64QAM	36	39	14.03	13.98	14.08			
15	64QAM	75	0	14.07	14.08	14.04			
15	256QAM	1	0	14.06	14.16	14.11	15.2	0	
15	256QAM	1	37	14.09	14.06	14.03			
15	256QAM	1	74	14.04	14.08	13.99			
15	256QAM	36	0	14.11	14.20	14.08	15.2	0	
15	256QAM	36	20	13.84	13.92	13.90			
15	256QAM	36	39	13.94	13.98	14.15			
15	256QAM	75	0	14.10	14.03	14.03	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040	15.2 <th rowspan="2">0<th rowspan="2"></th></th>	0 <th rowspan="2"></th>	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	14.26	14.31	14.19	15.2	0	
10	QPSK	1	25	14.19	14.18	14.32			
10	QPSK	1	49	14.23	14.18	14.11			
10	QPSK	25	0	14.18	14.28	14.07	15.2	0	
10	QPSK	25	12	14.15	14.07	14.11			
10	QPSK	25	25	14.11	14.13	14.23			
10	QPSK	50	0	14.19	14.23	14.20	15.2	0	
10	16QAM	1	0	14.22	14.22	14.15			
10	16QAM	1	25	14.11	14.13	14.20			
10	16QAM	1	49	14.11	14.13	14.08	15.2	0	
10	16QAM	25	0	14.21	14.27	14.06			
10	16QAM	25	12	14.07	14.04	14.02			
10	16QAM	25	25	14.11	14.09	14.21	15.2	0	
10	16QAM	50	0	14.15	14.20	14.08			
10	64QAM	1	0	14.20	14.27	14.18			
10	64QAM	1	25	14.16	14.07	14.09	15.2	0	
10	64QAM	1	49	14.18	14.17	14.05			
10	64QAM	25	0	14.08	14.27	14.06			
10	64QAM	25	12	14.06	13.97	14.07	15.2	0	
10	64QAM	25	25	14.05	14.01	14.16			
10	64QAM	50	0	14.07	14.08	14.09			
10	256QAM	1	0	14.12	14.23	14.15	15.2	0	
10	256QAM	1	25	14.12	14.06	14.09			
10	256QAM	1	49	14.09	14.15	14.02			
10	256QAM	25	0	14.14	14.22	13.95	15.2	0	
10	256QAM	25	12	13.85	14.01	13.93			
10	256QAM	25	25	14.02	14.00	14.14			
10	256QAM	50	0	14.10	14.09	14.06	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065	15.2 <th rowspan="2">0<th rowspan="2"></th></th>	0 <th rowspan="2"></th>	
Frequency (MHz)				3421.5	3500	3547.5			
5	QPSK	1	0	14.23	14.31	14.19	15.2	0	
5	QPSK	1	12	14.12	14.18	14.26			
5	QPSK	1	24	14.19	14.16	14.08			
5	QPSK	12	0	14.17	14.26	14.02	15.2	0	
5	QPSK	12	7	14.09	14.06	14.07			
5	QPSK	12	13	14.06	14.03	14.19			
5	QPSK	25	0	14.17	14.20	14.14	15.2	0	
5	16QAM	1	0	14.17	14.21	14.14			
5	16QAM	1	12	14.07	14.05	14.13			
5	16QAM	1	24	14.08	14.10	14.03	15.2	0	
5	16QAM	12	0	14.20	14.22	13.92			
5	16QAM	12	7	13.97	14.01	14.04			
5	16QAM	12	13	14.04	14.01	14.16	15.2	0	
5	16QAM	25	0	14.08	14.12	14.06			
5	64QAM	1	0	14.18	14.22	14.12			
5	64QAM	1	12	14.11	14.05	14.05	15.2	0	
5	64QAM	1	24	14.12	14.09	14.02			
5	64QAM	12	0	14.09	14.17	14.04			
5	64QAM	12	7	13.96	13.88	14.07	15.2	0	
5	64QAM	12	13	14.03	13.98	14.14			
5	64QAM	25	0	14.02	14.08	14.06			
5	256QAM	1	0	14.07	14.21	14.15	15.2	0	
5	256QAM	1	12	14.07	14.07	14.03			
5	256QAM	1	24	14.03	14.05	13.95			
5	256QAM	12	0	14.10	14.17	13.92	15.2	0	
5	256QAM	12	7	13.84	13.93	13.90			
5	256QAM	12	13	13.91	13.94	14.12			
5	256QAM	25	0	14.10	14.08	14.05			

Ant0 DSI 3 Standalone								
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
Tx Channel	128	189		251	128	189		251
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.78	31.89	31.76	33.50	22.78	22.89	22.76	24.50
GPRS 1 Tx slot	32.09	32.18	32.00	33.50	23.09	23.18	23.00	24.50
GPRS 2 Tx slots	29.46	29.48	29.40	31.40	23.46	23.48	23.40	25.40
GPRS 3 Tx slots	28.51	28.76	28.72	29.70	24.25	24.50	24.46	25.44
GPRS 4 Tx slots	26.01	27.71	27.65	26.40	25.01	24.71	24.65	25.40
EDGE 1 Tx slot	25.91	25.96	26.01	27.00	16.91	16.96	17.01	18.00
EDGE 2 Tx slots	24.89	25.10	24.86	26.50	18.89	19.10	18.86	20.50
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50

GSM5G		Ant0 DSI 3 Simultaneous						
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
Tx Channel	128	189		251	128	189		251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.21	32.03	32.10	33.10	23.21	23.03	23.10	24.10
GPRS 1 Tx slot	32.19	32.08	31.98	33.10	23.19	23.08	22.98	24.10
GPRS 2 Tx slots	30.05	30.06	30.07	30.10	24.05	24.06	24.07	24.10
GPRS 3 Tx slots	27.14	26.87	26.83	28.40	22.88	22.61	22.57	24.14
GPRS 4 Tx slots	27.02	26.97	27.02	27.10	24.02	23.97	24.02	24.10
EDGE 1 Tx slot	25.96	25.91	25.99	27.00	16.96	16.91	16.99	18.00
EDGE 2 Tx slots	24.91	25.09	24.86	26.50	18.91	19.09	18.86	20.50
EDGE 3 Tx slots	23.48	23.32	23.18	24.50	19.22	19.06	18.92	20.24
EDGE 4 Tx slots	21.84	21.90	21.99	23.50	18.84	18.90	18.99	20.50

Ant0 DSI 3 Standalone								
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			
Tx Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.95	26.87	26.84	28.00	17.95	17.87	17.84	19.00
GPRS 1 Tx slot	26.76	26.63	26.60	28.00	17.76	17.63	17.60	19.00
GPRS 2 Tx slots	23.74	23.78	23.82	25.00	17.82	17.82	17.82	19.00
GPRS 3 Tx slots	22.23	22.46	22.44	23.30	17.70	18.20	18.18	19.04
GPRS 4 Tx slots	20.60	20.56	20.62	22.00	17.60	17.56	17.62	19.00
EDGE 1 Tx slot	25.51	25.57	25.52	26.50	16.51	16.57	16.52	17.50
EDGE 2 Tx slots	24.57	24.19	24.17	25.00	16.53	16.15	16.13	17.50
EDGE 3 Tx slots	22.56	23.05	22.59	23.30	18.30	18.79	18.33	19.04
EDGE 4 Tx slots	21.26	21.29	21.12	22.00	18.26	18.29	18.12	19.00

Ant0 DSI 3 Simultaneous								
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			
Tx Channel	512	661	810		512	661	810	Tune-up Limit (dBm)
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	22.51	22.55	22.54	24.10	13.51	13.55	13.54	15.10
GPRS 1 Tx slot	22.55	22.46	22.47	24.10	13.55	13.46	13.47	15.10
GPRS 2 Tx slots	19.33	19.34	19.35	21.10	13.33	13.34	13.35	15.10
GPRS 3 Tx slots	18.05	18.30	18.26	19.40	13.79	14.04	14.00	15.14
GPRS 4 Tx slots	16.33	16.31	16.28	18.10	13.33	13.31	13.28	15.10
EDGE 1 Tx slot	22.99	22.97	22.94	24.10	13.99	13.97	13.94	15.10
EDGE 2 Tx slots	20.11	20.07	20.11	21.10	14.11	14.07	14.11	15.10
EDGE 3 Tx slots	18.38	18.32	18.30	19.40	14.12	14.06	14.04	15.14
EDGE 4 Tx slots	17.02	16.98	16.96	18.10	14.02	13.98	13.96	15.10

Ant0 DSI 3 Standalone				Ant0 DSI 3 Standalone				Ant0 DSI 3 Standalone					
Band			Tune-up Limit (dbm)	WCDMA II			Tune-up Limit (dbm)	WCDMA IV			Tune-up Limit (dbm)		
Tx Channel	9262	9400		9638	1312	1413		1513	4132	4182		4233	
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	18.51	18.57	18.56	19.40	17.70	17.77	17.71	18.50	22.96	22.98	22.91	23.50
3GPP Rel 99	RMC 12.2Kbps	18.53	18.61	18.56	19.40	17.69	17.78	17.74	18.50	23.01	23.02	22.99	23.50
3GPP Rel 6	HSDPA Subtest-1	17.55	17.71	17.69	18.40	16.67	16.76	16.63	17.50	20.93	20.95	20.98	22.50
3GPP Rel 6	HSDPA Subtest-2	17.42	17.75	17.79	18.40	16.72	16.72	16.72	17.50	21.03	20.90	20.84	22.50
3GPP Rel 6	HSDPA Subtest-3	17.23	16.99	17.03	17.90	16.27	16.18	16.17	17.00	20.39	20.55	20.39	22.00
3GPP Rel 6	HSDPA Subtest-4	16.78	17.11	17.03	17.90	16.25	16.19	16.18	17.00	20.30	20.45	20.12	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.86	17.62	17.77	18.40	16.56	16.76	16.58	17.50	20.98	20.92	21.00	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.74	17.75	17.80	18.40	16.60	16.72	16.43	17.50	20.75	21.09	20.79	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.23	16.98	16.80	17.90	16.10	15.98	16.11	17.00	20.71	20.60	20.47	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.92	17.22	17.04	17.90	16.20	16.28	16.12	17.00	20.31	20.58	20.37	22.00
3GPP Rel 6	HSUPA Subtest-1	17.68	17.52	17.82	18.40	16.64	16.54	16.64	17.50	20.83	21.03	21.10	22.50
3GPP Rel 6	HSUPA Subtest-2	15.60	15.71	15.71	16.40	14.74	14.76	14.65	15.50	19.18	18.93	18.88	20.50
3GPP Rel 6	HSUPA Subtest-3	16.63	16.61	16.36	17.40	15.69	15.50	15.64	16.50	19.86	20.28	19.88	21.50
3GPP Rel 6	HSUPA Subtest-4	15.40	15.50	15.59	16.40	14.78	14.69	14.70	15.50	18.72	18.99	18.56	20.50
3GPP Rel 6	HSUPA Subtest-5	17.43	17.65	17.78	18.40	16.69	16.78	16.65	17.50	20.83	21.07	21.07	22.50

Ant0 DSI 3 Simultaneous				Ant0 DSI 3 Simultaneous				Ant0 DSI 3 Simultaneous					
Band		WCDMA II		Tune-up Limit (dBm)	WCDMA IV		Tune-up Limit (dBm)	WCDMA IV		Tune-up Limit (dBm)			
Tx Channel	9262	9400	9638		1312	1413		1513	4132		4182	4233	
Rx Channel	9662	9800	9938	1337	1838	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	13.54	13.58	13.59	14.80	13.46	13.49	13.45	14.60	21.55	21.55	21.56	22.20
3GPP Rel 99	RMC 12.2Kbps	13.55	13.63	13.58	14.80	13.47	13.55	13.53	14.60	21.58	21.64	21.60	22.20
3GPP Rel 6	HS-DSPA Subtest-1	12.56	12.73	12.71	13.80	12.46	12.53	12.38	13.60	19.63	19.58	19.58	21.20
3GPP Rel 6	HS-DSPA Subtest-2	12.43	12.78	12.79	13.80	12.47	12.49	12.47	13.60	19.62	19.56	19.48	21.20
3GPP Rel 6	HS-DSPA Subtest-3	12.24	12.01	12.06	13.30	12.03	11.91	11.92	13.10	19.01	19.18	19.05	20.70
3GPP Rel 6	HS-DSPA Subtest-4	11.82	12.15	12.07	13.30	12.01	11.91	11.93	13.10	18.94	19.10	18.78	20.70
3GPP Rel 8	DC-HSDSPA Subtest-1	12.88	12.64	12.79	13.80	12.30	12.52	12.32	13.60	19.59	19.50	19.66	21.20
3GPP Rel 8	DC-HSDSPA Subtest-2	12.77	12.78	12.82	13.80	12.32	12.48	12.22	13.60	19.39	19.69	19.46	21.20
3GPP Rel 8	DC-HSDSPA Subtest-3	12.25	12.00	11.82	13.30	11.81	11.76	11.85	13.10	19.31	19.21	19.06	20.70
3GPP Rel 8	DC-HSDSPA Subtest-4	11.94	12.24	12.07	13.30	11.96	12.03	11.88	13.10	18.99	19.21	18.98	20.70
3GPP Rel 6	HS-UPA Subtest-1	12.69	12.56	12.82	13.80	12.38	12.33	12.37	13.60	19.46	19.69	19.69	21.20
3GPP Rel 6	HS-UPA Subtest-2	10.60	10.72	10.71	11.80	10.52	10.50	10.40	11.60	17.75	17.60	17.56	20.20
3GPP Rel 6	HS-UPA Subtest-3	11.64	11.65	11.37	12.80	11.41	11.23	11.40	12.60	18.48	18.95	18.48	20.20
3GPP Rel 6	HS-UPA Subtest-4	10.43	10.52	10.60	11.80	10.53	10.43	10.44	11.60	17.40	17.57	17.21	19.20
3GPP Rel 6	HS-UPA Subtest-5	12.45	12.67	12.80	13.80	12.46	12.50	12.43	13.60	19.41	19.64	19.69	21.20

		Ant1 DSI 3 Standalone						
GSMSSO		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		128	199	251		128	199	251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		32.49	32.61	32.54	33.50	23.49	23.61	23.54
GPRS 1 Tx slot		32.46	32.57	32.49	33.50	23.46	23.57	23.49
GPRS 2 Tx slots		29.59	29.66	29.63	30.70	23.59	23.66	23.63
GPRS 3 Tx slots		27.75	27.87	27.73	29.00	23.49	23.61	23.47
GPRS 4 Tx slots		26.68	26.76	26.68	27.70	23.68	23.76	23.68
EDGE 1 Tx slot		25.77	25.91	25.79	27.00	18.77	18.91	18.79
EDGE 2 Tx slots		24.54	24.66	24.62	26.50	18.54	18.66	18.62
EDGE 3 Tx slots		23.34	23.44	23.31	24.50	19.08	19.18	19.05
EDGE 4 Tx slots		21.61	21.71	21.58	23.50	18.61	18.71	18.56

		Ant1 DSI 3 Simultaneous						
		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)		
		128	199	251		128	199	251
TX Channel		824.2	836.4	848.8		824.2	836.4	848.8
Frequency (MHz)								
GSM 1 Tx slot		31.74	31.88	31.84	32.40	22.74	22.88	22.84
GPRS 1 Tx slot		31.72	31.80	31.69	32.40	22.72	22.80	22.69
GPRS 2 Tx slots		28.34	28.45	28.45	29.40	22.34	22.45	22.45
GPRS 3 Tx slots		26.85	26.86	26.79	27.70	22.59	22.60	22.53
GPRS 4 Tx slots		25.23	25.37	25.31	26.40	22.23	22.37	22.31
EDGE 1 Tx slot		25.91	25.91	25.77	27.00	16.91	16.91	16.77
EDGE 2 Tx slots		24.52	24.66	24.54	26.50	16.52	16.52	16.38
EDGE 3 Tx slots		23.34	23.44	23.31	24.50	19.08	19.18	19.05
EDGE 4 Tx slots		21.56	21.71	21.61	23.50	18.56	18.71	18.61

Ant1 DSI 3 Standalone				
Band		WCDMA V		
TX Channel		4132	4182	4233
Rx Channel		4357	4407	4458
Frequency (MHz)		826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	21.64	21.66	21.66
3GPP Rel 99	RMC 12.2Kbps	21.72	21.75	21.66
3GPP Rel 6	HSDPA Subtest-1	20.73	20.85	20.87
3GPP Rel 6	HSDPA Subtest-2	20.61	20.74	20.67
3GPP Rel 6	HSDPA Subtest-3	20.15	20.39	20.21
3GPP Rel 6	HSDPA Subtest-4	20.10	20.28	20.19
3GPP Rel 8	DC-HSDPA Subtest-1	20.77	20.83	20.68
3GPP Rel 8	DC-HSDPA Subtest-2	20.79	20.77	20.70
3GPP Rel 8	DC-HSDPA Subtest-3	20.29	20.27	20.27
3GPP Rel 8	DC-HSDPA Subtest-4	20.21	20.22	20.20
3GPP Rel 6	HSUPA Subtest-1	20.64	20.60	20.48
3GPP Rel 6	HSUPA Subtest-2	18.65	18.76	18.80
3GPP Rel 6	HSUPA Subtest-3	19.67	19.90	19.91
3GPP Rel 6	HSUPA Subtest-4	18.59	18.38	18.63
3GPP Rel 6	HSUPA Subtest-5	20.60	20.68	20.71

Ant1 DSI 3 Simultaneous				
Band		WCDMA V		
TX Channel		4132	4182	4233
Rx Channel		4357	4407	4458
Frequency (MHz)		826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	20.42	20.39	20.44
3GPP Rel 99	RMC 12.2Kbps	20.48	20.50	20.47
3GPP Rel 6	HSDPA Subtest-1	19.48	19.67	19.63
3GPP Rel 6	HSDPA Subtest-2	19.38	19.49	19.45
3GPP Rel 6	HSDPA Subtest-3	18.90	19.16	18.98
3GPP Rel 6	HSDPA Subtest-4	18.83	19.04	18.95
3GPP Rel 8	DC-HSDPA Subtest-1	19.49	19.60	19.45
3GPP Rel 8	DC-HSDPA Subtest-2	19.50	19.57	19.44
3GPP Rel 8	DC-HSDPA Subtest-3	19.02	19.00	19.07
3GPP Rel 8	DC-HSDPA Subtest-4	18.99	19.00	18.91
3GPP Rel 6	HSUPA Subtest-1	19.45	19.34	19.18
3GPP Rel 6	HSUPA Subtest-2	17.42	17.57	17.59
3GPP Rel 6	HSUPA Subtest-3	18.45	18.67	18.70
3GPP Rel 6	HSUPA Subtest-4	17.30	17.14	17.41
3GPP Rel 6	HSUPA Subtest-5	19.39	19.46	19.47

Band 2 Ant0 DSI 3 Standalone														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.41	18.41	18.40	19.1	0						
20	QPSK	1	49	18.39	18.40	18.37								
20	QPSK	1	99	18.41	18.36	18.37								
20	QPSK	50	0	18.31	18.30	18.29								
20	QPSK	50	24	18.29	18.33	18.14	19.1	0						
20	QPSK	50	50	18.32	18.29	18.29								
20	QPSK	100	0	18.29	18.35	18.14								
20	16QAM	1	0	18.32	18.33	18.36								
20	16QAM	1	49	18.30	18.31	18.32	19.1	0						
20	16QAM	1	99	18.32	18.29	18.31								
20	16QAM	50	0	18.25	18.29	18.29								
20	16QAM	50	24	18.31	18.27	18.31								
20	16QAM	50	50	18.23	18.30	18.30	19.1	0						
20	16QAM	100	0	18.20	18.30	18.04								
20	256QAM	1	49	18.23	18.29	18.28								
20	256QAM	1	99	18.26	18.19	18.24								
20	256QAM	50	0	18.17	18.22	18.16	19	0.1						
20	256QAM	50	24	18.15	18.20	17.95								
20	256QAM	50	50	18.14	18.10	18.10								
20	256QAM	100	0	18.11	18.20	17.97								
Channel														
Frequency (MHz)														
18	QPSK	1	0	18.07	18.00	18.02	19.1	0						
18	QPSK	1	49	17.96	17.97	17.92								
18	QPSK	1	99	18.00	17.98	17.99								
18	QPSK	36	0	17.48	17.95	17.49								
18	QPSK	36	37	17.42	17.46	17.49	19.1	0						
18	QPSK	36	74	17.42	17.49	17.49								
18	QPSK	36	39	17.42	17.40	17.41								
18	16QAM	75	0	17.42	17.49	17.25								
18	16QAM	1	74	17.46	17.41	17.49	19.1	0						
18	16QAM	1	37	17.43	17.42	17.24								
18	16QAM	36	0	17.42	17.43	17.25								
18	16QAM	36	20	17.33	17.41	17.14								
18	16QAM	36	39	17.33	17.30	17.33	19.1	0						
18	16QAM	36	20	17.34	17.40	17.36								
18	16QAM	75	0	17.31	17.41	17.15								
18	256QAM	1	37	17.34	17.31	17.35								
18	256QAM	1	37	17.35	17.33	17.35	19	0.1						
18	256QAM	1	74	17.37	17.30	17.37								
18	256QAM	36	0	17.36	17.38	17.37								
18	256QAM	36	20	17.28	17.31	17.29								
18	256QAM	36	39	17.27	17.21	17.23	19	0.1						
18	256QAM	75	0	17.23	17.31	17.26								
Channel														
Frequency (MHz)														
18	QPSK	1	0	18.00	18.00	18.00	19.1	0						
18	QPSK	1	25	17.47	17.48	17.29								
18	QPSK	1	49	17.96	17.48	17.51								
18	QPSK	25	0	17.48	17.46	17.29								
18	QPSK	25	12	17.40	17.48	17.23	19.1	0						
18	QPSK	25	25	17.47	17.38	17.39								
18	QPSK	25	49	17.46	17.40	17.38								
18	QPSK	25	12	17.40	17.48	17.23								
18	16QAM	1	0	17.46	17.51	17.52	19.1	0						
18	16QAM	1	25	17.37	17.44	17.21								
18	16QAM	1	49	17.42	17.43	17.25								
18	16QAM	25	0	17.39	17.43	17.31								
18	16QAM	25	12	17.29	17.43	17.38	19.1	0						
18	16QAM	25	25	17.31	17.38	17.40								
18	16QAM	50	0	17.32	17.44	17.13								
18	64QAM	1	0	17.46	17.52	17.48	19.1	0						
18	64QAM	1	24	17.41	17.43	17.37								
18	64QAM	1	49	17.43	17.32	17.44								
18	64QAM	25	0	17.39	17.40	17.33								
18	64QAM	25	12	17.33	17.36	17.34	19.1	0						
18	64QAM	25	25	17.33	17.36	17.34								
18	64QAM	50	0	17.34	17.38	17.20								
18	256QAM	1	25	17.32	17.33	17.35								
18	256QAM	1	25	17.32	17.33	17.35	19	0.1						
18	256QAM	1	49	17.34	17.33	17.31								
18	256QAM	25	0	17.31	17.35	17.35								
18	256QAM	25	12	17.25	17.34	17.36								
18	256QAM	25	25	17.22	17.23	17.26	19	0.1						
18	256QAM	50	0	17.25	17.30	17.25								
Channel														
Frequency (MHz)														
5	QPSK	1	0	17.90	17.91	17.90	19.1	0						
5	QPSK	1	12	17.49	17.48	17.30								
5	QPSK	1	24	17.50	17.42	17.41								
5	QPSK	12	0	17.48	17.47	17.31								
5	QPSK	12	7	17.47	17.47	17.34	19.1	0						
5	QPSK	12	13	17.38	17.34	17.43								
5	QPSK	25	0	17.47	17.36	17.31								
5	16QAM	1	0	17.45	17.50	17.52								
5	16QAM	1	12	17.38	17.46	17.18	19.1	0						
5	16QAM	1	24	17.40	17.42	17.31								
5	16QAM	12	0	17.40	17.43	17.20								
5	16QAM	12	0	17.30	17.42	17.26								
5	16QAM	12	13	17.25	17.44	17.26	19.1	0						
5	16QAM	25	0	17.29	17.28	17.28								
5	16QAM	25	0	17.25	17.37	17.13								
5	64QAM	1	0	17.43	17.53	17.51	19.1	0						
5	64QAM	1	12	17.44	17.39	17.27								
5	64QAM	1	24	17.44	17.42	17.39								
5	64QAM	12	0	17.37	17.38	17.19								
5	64QAM	12	13	17.27	17.30	17.28	19.1	0						
5	64QAM	25	0	17.32	17.45	17.23								
5	256QAM	1	0	17.30	17.43	17.33								
5	256QAM	1	12	17.31	17.28	17.18	19	0.1						
5	256QAM	1	24	17.31	17.28	17.28								
5	256QAM	12	0	17.31	17.32	17.17								
5	256QAM	12	7	17.34	17.29	17.33								
5	256QAM	12	13	17.23	17.31	17.31	19	0.1						
5	256QAM	25	0	17.22	17.35	17.11								
Channel														
Frequency (MHz)														
3	QPSK	1	0	17.61	17.64	17.60	19.1	0						
3	QPSK	1	8	17.48	17.47	17.31								
3	QPSK	1	16	17.50	17.42	17.41								
3	QPSK	8	0	17.44	17.48	17.44								
3	QPSK	8	8	17.39	17.45	17.23	19.1	0						
3	QPSK	8	16	17.40	17.43	17.26								
3	QPSK	15	0	17.44	17.58	17.28								
3	16QAM	1	0	17.49	17.51	17.47								
3	16QAM	1	8	17.46	17.44	17.41	19.1	0						
3	16QAM	1	16	17.49	17.46	17.43								
3	16QAM	8	0	17.42	17.42	17.36								
3	16QAM	8	8	17.33	17.45	17.28								
3	16QAM	8	7	17.35	17.39	17.38	19.1	0						
3	16QAM	15	0	17.42	17.48	17.12								
3	16QAM	15	8	17.32	17.42	17.31								
3	64QAM	1	8	17.40	17.43	17.30								
3	64QAM	1	16	17.42	17.38	17.47	19	0.1						
3	64QAM	8	4	17.43	17.38	17.47								
3	64QAM	8	16	17.31	17.41	17.18								
3	64QAM	15	0	17.44	17.46	17.28								
3	64QAM	15	8	17.35	17.47	17.25	19.1	0						
3	64QAM	15	0	17.37	17.45	17.18								
3	256QAM	1	0	17.38	17.41	17.37								
3	256QAM	1	8	17.37	17.33	17.31	19	0.1						
3	256QAM	1	16	17.33	17.28	17.37								
3	256QAM	8	0	17.28	17.30	17.30								
3	256QAM	8	8	17.29	17.28	17.28								
3	256QAM	8	7	17.29	17.25	17.29	19	0.1						
3	256QAM	15	0	17.29	17.35	17.31								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	17.63	17.67	17.63	19.1	0						
1.4	QPSK	1	8	17.48	17.47	17.31								
1.4	QPSK	1	16	17.52	17.51	17.52								
1.4	QPSK	3	0	17.46	17.50	17.48								
1.4	QPSK	3	8	17.47	17.47	17.36	19.1	0						
1.4	QPSK	3	16	17.45	17.45	17.28								
1.4	QPSK	3	24	17.45	17.42	17.41								
1.4	QPSK	6	0	17.40	17.48	17.28								
1.4	QPSK	6	8	17.50	17.50	17.40	19.1	0						
1.4	QPSK	6	16	17.42	17.42	17.27								
1.4	16QAM	1	5	17.44	17.40	17.45								
1.4	16QAM	1	11	17.42	17.41	17.45								
1.4	16QAM	3	0	17.35	17.41	17.41	19.1	0						
1.4	16QAM	3	8	17.37	17.32	17.32								
1.4	16QAM	3	16	17.42	17.41	17.40								
1.4	16QAM	6	0	17.48	17.52	17.48								
1.4	16QAM	3	5	17.44	17.43	17.23	19	0.1						
1.4	16QAM	3	11	17.40	17.43	17.23								
1.4	16QAM	3	17	17.37	17.40	17.13								
1.4	16QAM	6	0	17.32	17.40	17.13								
1.4	16QAM	3	1	17.31	17.37	17.31	19.1	0						
1.4	16QAM	3	5	17.36	17.36	17.36								
1.4	16QAM	3	11	17.39	17.46	17.41								
1.4	16QAM	6	0	17.34	17.43	17.18								
1.4	16QAM	3	1	17.34	17.41	17.42	19	0.1						
1.4	16QAM	3	5	17.39	17.38	17.38								
1.4	16QAM	3	11	17.39	17.33	17.33								
1.4	256QAM	3	3	17.27	17.22	17.25								

Band 4 Ant0 DSI 3 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)		
Channel										
20050 20175 20505										
Frequency (MHz)										
20	QPSK	1	0	13.66	13.71	13.59				
20	QPSK	1	49	13.97	13.62	13.52	14.7	0		
20	QPSK	1	99	13.43	13.68	13.81				
20	QPSK	50	0	13.42	13.57	13.42				
20	QPSK	50	24	13.48	13.53	13.48				
20	QPSK	50	50	13.42	13.41	13.37	14.7	0		
20	16QAM	100	0	13.31	13.53	13.32				
20	16QAM	1	0	13.49	13.52	13.48				
20	16QAM	1	49	13.50	13.58	13.44	14.7	0		
20	16QAM	1	99	13.31	13.39	13.45				
20	16QAM	50	0	13.35	13.36	13.35				
20	16QAM	50	24	13.44	13.43	13.35	14.7	0		
20	16QAM	50	50	13.26	13.26	13.29				
20	16QAM	100	0	13.35	13.38	13.14				
20	64QAM	1	0	13.59	13.59	13.48				
20	64QAM	1	49	13.58	13.45	13.43	14.7	0		
20	64QAM	1	99	13.38	13.38	13.42				
20	64QAM	50	0	13.59	13.43	13.41				
20	64QAM	50	24	13.51	13.39	13.34	14.7	0		
20	64QAM	50	50	13.23	13.36	13.34				
20	64QAM	100	0	13.37	13.32	13.24				
20	256QAM	1	0	13.46	13.57	13.46				
20	256QAM	1	49	13.47	13.43	13.54	14.7	0		
20	256QAM	1	99	13.29	13.48	13.46				
20	256QAM	50	0	13.52	13.47	13.48				
20	256QAM	50	24	13.48	13.44	13.37	14.7	0		
20	256QAM	50	50	13.38	13.38	13.38				
20	256QAM	100	0	13.30	13.27	13.24				
Channel										
200505 20175 20505										
Frequency (MHz)										
15	QPSK	1	0	13.81	13.56	13.48				
15	QPSK	1	37	13.98	13.89	13.83	14.7	0		
15	QPSK	1	74	13.32	13.48	13.55				
15	QPSK	36	0	13.35	13.51	13.35				
15	QPSK	36	20	13.35	13.43	13.28	14.7	0		
15	QPSK	36	39	13.29	13.39	13.30				
15	QPSK	75	0	13.17	13.46	13.23				
15	16QAM	1	0	13.44	13.38	13.31	14.7	0		
15	16QAM	1	37	13.55	13.46	13.35				
15	16QAM	1	74	13.46	13.57	13.46				
15	16QAM	36	0	13.31	13.24	13.24				
15	16QAM	36	20	13.35	13.28	13.19	14.7	0		
15	16QAM	36	39	13.28	13.35	13.29				
15	16QAM	75	0	13.28	13.24	13.00				
15	64QAM	1	0	13.45	13.50	13.35				
15	64QAM	1	37	13.50	13.35	13.27	14.7	0		
15	64QAM	1	74	13.21	13.41	13.34				
15	64QAM	36	0	13.38	13.37	13.34				
15	64QAM	36	20	13.36	13.32	13.26	14.7	0		
15	64QAM	36	39	13.14	13.27	13.22				
15	64QAM	75	0	13.30	13.26	13.16				
15	256QAM	1	0	13.40	13.56	13.46	14.7	0		
15	256QAM	1	37	13.40	13.56	13.46				
15	256QAM	1	74	13.16	13.30	13.34				
15	256QAM	36	0	13.28	13.42	13.32	14.7	0		
15	256QAM	36	20	13.34	13.34	13.31				
15	256QAM	36	39	13.25	13.27	13.29	14.7	0		
15	256QAM	75	0	13.19	13.15	13.27				
Channel										
200505 20175 20505										
Frequency (MHz)										
10	QPSK	1	0	13.71	13.71	13.70				
10	QPSK	1	25	13.62	13.52	13.48	14.7	0		
10	QPSK	1	49	13.32	13.44	13.51				
10	QPSK	12	0	13.31	13.47	13.57				
10	QPSK	25	12	13.36	13.37	13.35	14.7	0		
10	QPSK	25	25	13.38	13.27	13.26				
10	QPSK	25	49	13.21	13.25	13.26				
10	16QAM	1	0	13.34	13.48	13.40				
10	16QAM	1	25	13.48	13.45	13.33	14.7	0		
10	16QAM	1	49	13.19	13.38	13.42				
10	16QAM	25	0	13.28	13.23	13.28				
10	16QAM	25	12	13.39	13.38	13.29	14.7	0		
10	16QAM	25	25	13.38	13.10	13.12				
10	16QAM	50	0	13.27	13.32	13.03				
10	64QAM	1	0	13.38	13.43	13.39				
10	64QAM	1	25	13.45	13.33	13.26	14.7	0		
10	64QAM	1	49	13.21	13.45	13.33				
10	64QAM	25	0	13.34	13.35	13.31				
10	64QAM	25	25	13.43	13.23	13.23	14.7	0		
10	64QAM	25	49	13.10	13.26	13.28				
10	64QAM	50	0	13.29	13.16	13.26				
Channel										
199975 20175 20595										
Frequency (MHz)										
5	QPSK	1	0	13.51	13.66	13.62				
5	QPSK	1	12	13.54	13.48	13.47	14.7	0		
5	QPSK	1	24	13.38	13.46	13.46				
5	QPSK	12	0	13.36	13.46	13.36				
5	QPSK	12	7	13.31	13.47	13.29	14.7	0		
5	QPSK	12	13	13.37	13.36	13.25				
5	QPSK	25	0	13.18	13.40	13.16				
5	16QAM	1	0	13.35	13.48	13.32				
5	16QAM	1	12	13.55	13.50	13.28	14.7	0		
5	16QAM	1	24	13.20	13.25	13.38				
5	16QAM	12	0	13.27	13.21	13.25				
5	16QAM	12	7	13.37	13.32	13.21	14.7	0		
5	16QAM	12	13	13.18	13.30	13.19				
5	64QAM	1	0	13.44	13.32	13.38				
5	64QAM	1	12	13.48	13.31	13.36	14.7	0		
5	64QAM	1	24	13.23	13.41	13.38				
5	64QAM	12	0	13.35	13.30	13.34				
5	64QAM	12	13	13.45	13.28	13.29	14.7	0		
5	64QAM	12	13	13.14	13.28	13.29				
5	64QAM	25	0	13.26	13.16	13.08				
5	256QAM	1	0	13.35	13.43	13.37				
5	256QAM	1	12	13.35	13.29	13.47	14.7	0		
5	256QAM	1	24	13.17	13.32	13.38				
5	256QAM	12	0	13.19	13.31	13.33				
5	256QAM	12	7	13.42	13.30	13.25	14.7	0		
5	256QAM	12	13	13.29	13.21	13.28				
5	256QAM	25	0	13.21	13.19	13.28				
Channel										
199975 20175 20595										
Frequency (MHz)										
3	QPSK	1	0	13.61	13.63	13.52				
3	QPSK	1	8	13.60	13.63	13.47	14.7	0		
3	QPSK	1	14	13.32	13.43	13.56				
3	QPSK	8	0	13.37	13.41	13.28				
3	QPSK	8	4	13.36	13.39	13.34	14.7	0		
3	QPSK	8	7	13.33	13.36	13.21				
3	16QAM	1	0	13.17	13.44	13.18				
3	16QAM	1	8	13.43	13.38	13.39	14.7	0		
3	16QAM	1	14	13.25	13.30	13.30				
3	16QAM	8	0	13.23	13.26	13.26				
3	16QAM	8	4	13.39	13.37	13.24	14.7	0		
3	16QAM	8	7	13.12	13.20	13.17				
3	64QAM	1	0	13.41	13.44	13.34				
3	64QAM	1	8	13.42	13.27	13.35	14.7	0		
3	64QAM	1	14	13.23	13.43	13.33				
3	64QAM	8	0	13.36	13.37	13.29				
3	64QAM	8	4	13.38	13.26	13.24	14.7	0		
3	64QAM	8	7	13.14	13.32	13.21				
3	256QAM	1	0	13.40	13.45	13.34				
3	256QAM	1	8	13.32	13.38	13.43	14.7	0		
3	256QAM	1	14	13.20	13.45	13.39	14.7	0		
3	256QAM	8	0	13.38	13.47	13.40				
3	256QAM	8	4	13.39	13.32	13.24	14.7	0		
3	256QAM	8	7	13.19	13.39	13.41				
3	256QAM	16	0	13.24	13.24	13.30				
3	256QAM	16	8	13.39	13.29	13.34	14.7	0		
3	256QAM	16	7	13.25	13.22	13.28				
3	256QAM	16	15	13.23	13.24	13.27	14.7	0		
Channel										
17115 17125 17135										
Frequency (MHz)										
1.4	QPSK	1	0	13.59	13.57	13.46				
1.4	QPSK	1	8	13.62	13.59	13.45	14.7	0		
1.4	QPSK	1	5	13.32	13.52	13.47				
1.4	QPSK	3	0	13.38	13.44	13.37				
1.4	QPSK	3	8	13.42	13.40	13.25	14.7	0		
1.4	QPSK	3	3	13.39	13.30	13.27				
1.4	QPSK	6	0	13.26	13.42	13.26				
1.4	QPSK	6	8	13.29	13.30	13.18	14.7	0		
1.4	16QAM	1	0	13.24	13.38	13.38				
1.4	16QAM	1	8	13.31	13.29	13.24	14.7	0		
1.4	16QAM	1	5	13.32	13.34	13.24				
1.4	16QAM	3	0	13.18	13.30	13.10				
1.4	16QAM	3	8	13.31	13.28	13.19	14.7	0		
1.4	16QAM	3	3	13.35	13.45	13.37				
1.4	16QAM	6	0	13.30	13.42	13.34				
1.4	16QAM	6	8</							



Band 13 Ant0 DSI3 Simultaneous												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Init. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.84	22.87	22.83	24.1	0				
10	QPSK	1	20	22.81	22.87	22.83						
10	QPSK	1	40	22.89	22.84	22.84						
10	QPSK	25	0	22.85	22.87	22.83	24	0.1				
10	QPSK	25	12	22.75	22.83	22.82						
10	QPSK	25	25	22.78	22.81	22.79						
10	QPSK	50	0	22.87	22.87	22.83	24	0.1				
10	16QAM	1	0	22.77	22.83	22.82						
10	16QAM	1	20	22.73	22.83	22.82						
10	16QAM	1	40	22.85	22.83	22.82	23	1.1				
10	16QAM	25	12	22.32	22.83	22.82						
10	16QAM	25	25	22.46	22.83	22.82						
10	16QAM	50	0	22.55	22.83	22.82	23	1.1				
10	84QAM	1	0	22.42	22.83	22.82						
10	84QAM	1	20	22.46	22.83	22.82						
10	84QAM	1	40	22.55	22.83	22.82	22	2.1				
10	84QAM	25	0	21.45	22.83	22.82						
10	84QAM	25	12	21.56	22.83	22.82						
10	84QAM	25	25	21.41	22.83	22.82	20	4.1				
10	84QAM	50	0	21.41	22.83	22.82						
10	256QAM	1	0	19.55	22.83	22.82						
10	256QAM	1	20	19.37	22.83	22.82	20	4.1				
10	256QAM	1	40	19.52	22.83	22.82						
10	256QAM	25	0	19.39	22.83	22.82						
10	256QAM	25	12	19.31	22.83	22.82	20	4.1				
10	256QAM	25	25	19.43	22.83	22.82						
10	256QAM	50	0	19.29	22.83	22.82						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.86	22.87	22.83	24.1	0				
5	QPSK	1	12	22.87	22.79	22.84						
5	QPSK	1	24	22.79	22.81	22.84						
5	QPSK	12	0	22.73	22.73	22.82	24	0.1				
5	QPSK	12	7	22.81	22.84	22.71						
5	QPSK	12	13	22.70	22.74	22.79						
5	QPSK	25	0	22.81	22.73	22.78	24	0.1				
5	16QAM	1	0	22.85	22.86	22.72						
5	16QAM	1	12	22.61	22.68	22.59						
5	16QAM	1	24	22.50	22.52	22.57	23	1.1				
5	16QAM	12	0	22.26	22.15	22.21						
5	16QAM	12	7	22.26	22.17	22.15						
5	16QAM	1	12	22.42	22.35	22.46	23	1.1				
5	16QAM	25	0	22.17	22.11	22.18						
5	84QAM	1	0	21.38	22.34	22.41						
5	84QAM	1	12	21.42	22.35	22.46	22	2.1				
5	84QAM	1	24	22.29	22.15	22.21						
5	84QAM	12	0	21.38	21.35	21.47						
5	84QAM	12	7	21.41	21.36	21.46	20	4.1				
5	84QAM	12	13	21.35	21.22	21.15						
5	84QAM	25	0	21.30	21.26	21.37						
5	256QAM	1	0	19.46	19.43	19.47	20	4.1				
5	256QAM	1	12	19.38	19.35	19.33						
5	256QAM	1	24	19.52	19.48	19.51						
5	256QAM	12	0	19.37	19.36	19.34	20	4.1				
5	256QAM	12	7	19.29	19.34	19.34						
5	256QAM	12	13	19.46	19.36	19.32						
5	256QAM	25	0	19.36	19.31	19.28						

Band 66 Ant0 DSI 3 Standalone												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.69	17.71	17.63	18.4	0				
20	QPSK	1	40	17.67	17.68	17.64						
20	QPSK	1	90	17.63	17.61	17.59						
20	QPSK	50	0	17.54	17.62	17.51	18.4	0				
20	QPSK	50	24	17.63	17.57	17.54						
20	QPSK	50	50	17.47	17.52	17.50						
20	QPSK	100	0	17.43	17.51	17.40	18.4	0				
20	16QAM	1	0	17.58	17.59	17.52						
20	16QAM	1	40	17.60	17.57	17.51						
20	16QAM	1	90	17.42	17.50	17.50	18.4	0				
20	16QAM	50	0	17.42	17.47	17.45						
20	16QAM	50	24	17.36	17.41	17.38						
20	16QAM	100	0	17.38	17.46	17.35	18.4	0				
20	84QAM	1	0	17.59	17.62	17.54						
20	84QAM	1	40	17.59	17.58	17.56	18.4	0				
20	84QAM	1	90	17.44	17.58	17.46						
20	84QAM	50	0	17.45	17.51	17.56	18.4	0				
20	84QAM	50	24	17.57	17.42	17.44						
20	84QAM	100	0	17.38	17.46	17.35						
20	256QAM	1	0	17.57	17.45	17.43	18.4	0				
20	256QAM	1	40	17.59	17.55	17.55						
20	256QAM	1	90	17.41	17.55	17.58						
20	256QAM	50	0	17.44	17.44	17.44	18.4	0				
20	256QAM	50	24	17.51	17.46	17.42						
20	256QAM	100	0	17.37	17.41	17.43						
20	256QAM	100	0	17.41	17.38	17.33	18.4	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.64	17.69	17.62	18.4	0				
15	QPSK	1	30	17.68	17.63	17.56						
15	QPSK	1	74	17.46	17.50	17.47						
15	QPSK	36	0	17.48	17.55	17.45	18.4	0				
15	QPSK	36	1	17.49	17.49	17.42						
15	QPSK	36	36	17.36	17.45	17.42						
15	QPSK	75	0	17.48	17.53	17.45	18.4	0				
15	16QAM	1	0	17.48	17.53	17.46						
15	16QAM	1	37	17.54	17.45	17.41						
15	16QAM	36	0	17.31	17.45	17.35	18.4	0				
15	16QAM	36	20	17.46	17.42	17.37						
15	16QAM	36	20	17.46	17.42	17.37						
15	16QAM	75	0	17.29	17.36	17.18	18.4	0				
15	84QAM	1	0	17.52	17.51	17.46						
15	84QAM	1	37	17.47	17.46	17.43						
15	84QAM	1	74	17.37	17.51	17.35	18.4	0				
15	84QAM	36	0	17.42	17.42	17.36						
15	84QAM	36	20	17.46	17.39	17.34						
15	84QAM	36	36	17.27	17.40	17.34	18.4	0				
15	84QAM	75	0	17.30	17.31	17.23						
15	84QAM	75	0	17.42	17.54	17.43						
15	256QAM	1	37	17.52	17.52	17.47	18.4	0				
15	256QAM	1	74	17.32	17.47	17.40						
15	256QAM	36	0	17.36	17.46	17.35						
15	256QAM	36	20	17.44	17.35	17.30	18.4	0				
15	256QAM	36	36	17.29	17.30	17.35						
15	256QAM	75	0	17.28	17.29	17.23						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.68	17.63	17.62	18.4	0				
10	QPSK	1	25	17.60	17.63	17.56						
10	QPSK	1	49	17.44	17.46	17.53						
10	QPSK	25	0	17.46	17.52	17.47	18.4	0				
10	QPSK	25	12	17.53	17.51	17.42						
10	QPSK	25	25	17.34	17.48	17.37						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK	50	0	17.46	17.50	17.39	18.4	0				
10	QPSK	50	0	17.46	17.50	17.39						
10	QPSK											



Band 38 Ant0 PC3 DSI 3 Standalone												
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Main Ch./Freq.	Power Pilot Ch./Freq.	Turn-up time (dBm)	MPR (dB)				
Channel												
Frequency [MHz]												
37650 38000 38150												
20	QPSK	1	0	19.26	19.56	19.26	21.1	0				
20	QPSK	1	49	19.39	19.39	19.34						
20	QPSK	1	99	19.30	19.22	19.38						
20	QPSK	50	0	19.31	19.52	19.40						
20	QPSK	50	24	19.37	19.32	19.40	21.1	0				
20	QPSK	50	49	19.34	19.24	19.36						
20	QPSK	100	0	19.30	19.42	19.37						
20	16QAM	1	0	19.35	19.33	19.37						
20	16QAM	1	49	19.37	19.28	19.38	21.1	0				
20	16QAM	50	0	19.35	19.44	19.39						
20	16QAM	50	24	19.40	19.33	19.44						
20	16QAM	50	50	19.38	19.51	19.38						
20	64QAM	1	49	19.44	19.24	19.39	21.1	0				
20	64QAM	1	99	19.33	19.52	19.30						
20	64QAM	50	0	19.29	19.38	19.36						
20	64QAM	50	24	19.23	19.34	19.32						
20	64QAM	50	50	19.38	19.51	19.30	21.1	0				
20	64QAM	100	0	19.28	19.31	19.35						
20	256QAM	1	0	18.75	18.74	18.80						
20	256QAM	1	49	18.85	18.79	18.96						
20	256QAM	1	99	18.80	18.82	18.97	19	2.1				
20	256QAM	50	0	18.92	18.68	18.88						
20	256QAM	50	24	18.92	18.88	18.87						
20	256QAM	50	50	18.85	18.83	18.81						
20	256QAM	100	0	18.79	18.77	18.88	19	2.1				
Turn-up time (dBm) MPR (dB)												
Channel												
Frequency [MHz]												
37650 38000 38175												
15	QPSK	1	0	19.15	19.42	19.19				21.1	0	
15	QPSK	1	37	19.31	19.28	19.21						
15	QPSK	1	74	19.21	19.16	19.32						
15	QPSK	36	0	19.25	19.43	19.31						
15	QPSK	36	36	19.27	19.40	19.26	21.1	0				
15	QPSK	36	39	19.28	19.11	19.25						
15	QPSK	75	0	19.26	19.33	19.27						
15	16QAM	1	0	19.23	19.23	19.22						
15	16QAM	1	37	19.16	19.20	19.31	21.1	0				
15	16QAM	1	74	19.32	19.19	19.25						
15	16QAM	36	0	19.25	19.34	19.28						
15	16QAM	36	20	19.31	19.26	19.35						
15	16QAM	36	39	19.32	19.11	19.34	21.1	0				
15	16QAM	75	0	19.27	19.40	19.26						
15	64QAM	1	0	19.31	19.23	19.26						
15	64QAM	1	37	19.30	19.19	19.36						
15	64QAM	1	74	19.24	19.40	19.18	21.1	0				
15	64QAM	36	0	19.16	19.22	19.20						
15	64QAM	36	20	19.22	19.22	19.29						
15	64QAM	75	0	19.22	19.23	19.29						
15	256QAM	1	0	18.73	18.80	18.81	19	2.1				
15	256QAM	1	37	18.77	18.71	18.90						
15	256QAM	1	74	18.70	18.78	18.79						
15	256QAM	36	0	18.78	18.99	18.77						
15	256QAM	36	39	18.72	18.69	18.76	19	2.1				
15	256QAM	75	0	18.71	18.82	18.74						
Turn-up time (dBm) MPR (dB)												
Channel												
Frequency [MHz]												
37675 38000 38225												
10	QPSK	1	0	19.11	19.44	19.21	21.1	0				
10	QPSK	1	25	19.25	19.22	19.27						
10	QPSK	1	49	19.17	19.16	19.31						
10	QPSK	25	0	19.22	19.36	19.37						
10	QPSK	12	0	19.17	19.30	19.31	21.1	0				
10	QPSK	25	25	19.21	19.23	19.29						
10	QPSK	50	0	19.15	19.27	19.23						
10	16QAM	1	0	19.20	19.22	19.23						
10	16QAM	1	25	19.22	19.20	19.27	21.1	0				
10	16QAM	1	49	19.30	19.12	19.24						
10	16QAM	25	0	19.24	19.31	19.35						
10	16QAM	25	12	19.34	19.23	19.39						
10	16QAM	25	25	19.26	19.15	19.23	21.1	0				
10	16QAM	50	0	19.27	19.30	19.22						
10	64QAM	1	0	19.23	19.28	19.27						
10	64QAM	1	49	19.37	19.16	19.30						
10	64QAM	25	0	19.25	19.41	19.25	21.1	0				
10	64QAM	25	12	19.34	19.23	19.39						
10	64QAM	50	0	19.24	19.39	19.22						
10	256QAM	1	0	18.96	18.62	18.74						
10	256QAM	1	49	18.72	18.88	18.78	19	2.1				
10	256QAM	25	0	18.85	18.52	18.76						
10	256QAM	25	12	18.75	18.89	18.78						
10	256QAM	25	25	18.73	18.78	18.72						
10	256QAM	50	0	18.64	18.70	18.77	19	2.1				
Turn-up time (dBm) MPR (dB)												
Channel												
Frequency [MHz]												
37775 38000 38225												
5	QPSK	1	0	19.20	19.40	19.21	21.1	0				
5	QPSK	1	12	19.33	19.33	19.27						
5	QPSK	1	24	19.18	19.26	19.30						
5	QPSK	12	0	19.17	19.30	19.38						
5	QPSK	12	7	19.23	19.19	19.25	21.1	0				
5	QPSK	12	13	19.22	19.17	19.31						
5	QPSK	25	0	19.16	19.38	19.23						
5	16QAM	1	0	19.20	19.20	19.24						
5	16QAM	1	12	19.16	19.16	19.34	21.1	0				
5	16QAM	1	24	19.27	19.24	19.26						
5	16QAM	12	0	19.21	19.36	19.28						
5	16QAM	12	7	19.34	19.22	19.37						
5	16QAM	12	13	19.31	19.12	19.24	21.1	0				
5	16QAM	25	0	19.22	19.34	19.13						
5	64QAM	1	0	19.27	19.31	19.28						
5	64QAM	1	12	19.33	19.28	19.32						
5	64QAM	1	24	19.23	19.46	19.21	21.1	0				
5	64QAM	12	0	19.14	19.33	19.30						
5	64QAM	12	7	19.15	19.20	19.17						
5	64QAM	12	13	19.31	19.35	19.17						
5	64QAM	25	0	19.22	19.16	19.20	19	2.1				
5	256QAM	1	0	18.86	18.59	18.74						
5	256QAM	1	12	18.77	18.72	18.85						
5	256QAM	1	24	18.86	18.72	18.76						
5	256QAM	12	0	18.78	18.55	18.75	19	2.1				
5	256QAM	12	7	18.77	18.96	18.80						
5	256QAM	12	13	18.76	18.75	18.72						
5	256QAM	25	0	18.74	18.84	18.79						

Band 38 Ant0 PC3 DSI3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Main Ch./Freq.	Power Pilot Ch./Freq.	Turnup time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
37850 38000 38150									
20	QPSK	1	0	17.03	17.06	17.04	17.9	0	
20	QPSK	1	49	16.96	16.95	16.97			
20	QPSK	1	99	17.01	16.94	16.97			
20	QPSK	5	0	16.97	16.97	16.93			
20	QPSK	5	24	16.83	16.87	16.94			
20	QPSK	50	0	16.90	16.82	16.78			
20	QPSK	50	24	16.83	16.87	16.80			
20	16QAM	1	0	16.91	16.94	16.94			
20	16QAM	1	49	16.90	16.88	16.87			
20	16QAM	1	99	16.91	16.89	16.90			
20	16QAM	50	0	16.93	16.87	16.81			
20	16QAM	50	24	16.91	16.87	16.77			
20	16QAM	50	49	16.93	16.86	16.76			
20	16QAM	108	0	16.90	16.83	16.92			
20	64QAM	1	0	16.91	16.73	16.92			
20	64QAM	1	49	16.87	16.82	16.86			
20	64QAM	50	0	16.96	16.80	16.78			
20	64QAM	50	24	16.93	16.87	16.83			
20	64QAM	50	49	16.89	16.77	16.86			
20	64QAM	50	99	16.94	16.82	16.83			
20	256QAM	105	0	16.89	16.82	16.86			
20	256QAM	105	49	16.93	16.86	16.86			
20	256QAM	1	49	16.82	16.84	16.89			
20	256QAM	1	99	16.88	16.86	16.87			
20	256QAM	1	149	16.88	16.84	16.84			
20	256QAM	50	24	16.86	16.91	16.91			
20	256QAM	50	99	16.87	16.90	16.87			
20	256QAM	50	149	16.87	16.85	16.85			
Channel									
Frequency [MHz]									
37855 38000 38115									
15	QPSK	1	0	16.73	16.96	16.74			
15	QPSK	1	37	16.83	16.83	16.83			
15	QPSK	1	74	16.94	16.72	16.82			
15	QPSK	1	111	16.87	16.83	16.83			
15	QPSK	36	0	16.76	16.81	16.80			
15	QPSK	36	36	16.83	16.70	16.71			
15	QPSK	75	0	16.81	16.74	16.73			
15	16QAM	1	0	16.75	16.67	16.84			
15	16QAM	1	37	16.80	16.54	16.80			
15	16QAM	1	74	16.79	16.77	16.81			
15	16QAM	36	0	16.80	16.80	16.69			
15	16QAM	36	36	16.75	16.73	16.69			
15	16QAM	75	0	16.80	16.73	16.70			
15	16QAM	75	0	16.74	16.71	16.86			
15	64QAM	1	0	16.81	16.62	16.76			
15	64QAM	1	37	16.80	16.59	16.74			
15	64QAM	1	74	16.73	16.70	16.77			
15	64QAM	36	0	16.79	16.71	16.83			
15	64QAM	36	36	16.83	16.65	16.85			
15	64QAM	36	39	16.71	16.67	16.87			
15	64QAM	75	0	16.84	16.76	16.87			
15	256QAM	1	0	16.80	16.69	16.72			
15	256QAM	1	37	16.70	16.68	16.78			
15	256QAM	1	74	16.71	16.76	16.75			
15	256QAM	36	0	16.80	16.68	16.82			
15	256QAM	36	36	16.72	16.70	16.75			
15	256QAM	36	39	16.83	16.71	16.79			
15	256QAM	75	0	16.74	16.75	16.75			
Channel									
Frequency [MHz]									
37855 38000 38200									
10	QPSK	1	0	16.93	16.80	16.93			
10	QPSK	1	25	16.87	16.87	16.82			
10	QPSK	1	49	16.90	16.79	16.90			
10	QPSK	1	74	16.87	16.84	16.80			
10	QPSK	25	0	16.74	16.81	16.82			
10	QPSK	25	25	16.78	16.76	16.73			
10	QPSK	25	49	16.83	16.82	16.68			
10	16QAM	1	0	16.77	16.68	16.79			
10	16QAM	1	25	16.84	16.84	16.76			
10	16QAM	1	49	16.79	16.74	16.74			
10	16QAM	25	0	16.87	16.79	16.73			
10	16QAM	25	12	16.87	16.80	16.87			
10	16QAM	25	25	16.81	16.79	16.71			
10	16QAM	50	0	16.79	16.74	16.69			
10	64QAM	1	0	16.81	16.62	16.83			
10	64QAM	1	25	16.80	16.61	16.71			
10	64QAM	1	49	16.71	16.77	16.76			
10	64QAM	25	0	16.84	16.66	16.71			
10	64QAM	25	12	16.81	16.78	16.88			
10	64QAM	25	25	16.77	16.68	16.90			
10	256QAM	1	0	16.82	16.65	16.75			
10	256QAM	1	25	16.75	16.68	16.82			
10	256QAM	1	49	16.75	16.63	16.72			
10	256QAM	25	0	16.88	16.82	16.82			
10	256QAM	25	12	16.73	16.70	16.82			
10	256QAM	25	25	16.76	16.68	16.74			
10	256QAM	50	0	16.77	16.60	16.76			
Channel									
Frequency [MHz]									
37775 38000 38225									
5	QPSK	1	0	16.93	16.96	16.97			
5	QPSK	1	12	16.88	16.79	16.89			
5	QPSK	1	24	16.81	16.74	16.89			
5	QPSK	12	0	16.73	16.81	16.87			
5	QPSK	12	7	16.74	16.80	16.88			
5	QPSK	12	12	16.73	16.79	16.71			
5	QPSK	25	0	16.80	16.84	16.76			
5	16QAM	1	0	16.80	16.68	16.85			
5	16QAM	1	12	16.79	16.79	16.80			
5	16QAM	1	24	16.76	16.80	16.75			
5	16QAM	12	0	16.86	16.81	16.75			
5	16QAM	12	7	16.84	16.81	16.69			
5	16QAM	12	12	16.83	16.79	16.89			
5	64QAM	1	0	16.84	16.74	16.91			
5	64QAM	1	12	16.85	16.68	16.86			
5	64QAM	1	24	16.76	16.80	16.80			
5	64QAM	12	7	16.87	16.80	16.85			
5	64QAM	12	12	16.75	16.67	16.92			
5	64QAM	12	24	16.83	16.76	16.76			
5	256QAM	1	0	16.75	16.80	16.77			
5	256QAM	1	12	16.75	16.81	16.84			
5	256QAM	1	24	16.72	16.73	16.73			
5	256QAM	12	0	16.90	16.94	16.81			
5	256QAM	12	7	16.77	16.84	16.82			
5	256QAM	12	12	16.76	16.80	16.71			
5	256QAM	25	0	16.79	16.85	16.81			



Band 38 Ant0 PC2 DS13 Simultaneous																	
RW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Hgt Ch / Freq	Power Hgt Ch / Freq	Turn-up time (dBm)	MPR (dB)									
Channel																	
38750 38800 38150																	
Frequency (MHz)																	
20	QPSK	1	0	18.14	18.16	18.12	19.39	19.5	0								
20	QPSK	1	49	18.08	18.21	18.06											
20	QPSK	1	99	18.09	18.02	18.15											
20	QPSK	50	5	18.13	17.97	17.97											
20	QPSK	50	24	18.04	18.11	17.96											
20	QPSK	50	50	17.99	17.96	18.05		19.5	0								
20	QPSK	100	5	17.81	18.02	17.99											
20	16QAM	1	0	17.86	17.89	17.80											
20	16QAM	1	49	17.79	18.06	17.85											
20	16QAM	1	99	17.90	18.00	17.88											
20	16QAM	50	5	17.87	17.92	17.89		19.5	0								
20	16QAM	50	24	17.83	17.78	17.80											
20	16QAM	50	50	17.90	18.04	17.87											
20	16QAM	100	5	17.89	17.88	17.84											
20	64QAM	1	0	17.93	17.85	17.85											
20	64QAM	1	49	18.02	18.05	17.91		19.5	0								
20	64QAM	1	99	17.94	17.92	17.83											
20	64QAM	50	5	17.85	17.74	17.74											
20	64QAM	50	24	17.89	17.87	17.92											
20	64QAM	50	50	18.04	18.00	17.80											
20	256QAM	1	0	17.93	17.87	17.82		19.5	0								
20	256QAM	1	49	17.86	17.81	18.06											
20	256QAM	1	99	17.73	17.94	17.79											
20	256QAM	50	5	17.88	17.87	18.07											
20	256QAM	50	0	17.94	17.79	18.06											
20	256QAM	50	24	17.86	17.84	17.87		19.5	0								
20	256QAM	50	50	17.72	17.90	17.82											
20	256QAM	100	0	17.72	17.84	17.73											
Channel																	
38750 38800 38150																	
Frequency (MHz)																	
15	QPSK	1	0	18.07	18.22	18.03		19.5	0								
15	QPSK	1	37	17.91	18.13	17.86											
15	QPSK	1	74	17.94	17.87	18.04											
15	QPSK	36	5	17.68	18.10	17.82											
15	QPSK	36	20	17.93	18.02	17.81											
15	QPSK	36	35	17.89	17.90	17.84		19.5	0								
15	QPSK	75	5	17.75	17.93	17.92											
15	16QAM	1	0	17.72	17.84	17.85											
15	16QAM	1	37	17.84	17.97	17.78											
15	16QAM	1	74	17.80	17.92	17.79											
15	16QAM	36	20	17.74	17.73	17.76		19.5	0								
15	16QAM	36	35	17.78	17.91	17.80											
15	16QAM	75	5	17.80	17.92	17.75											
15	64QAM	1	0	17.71	17.69	17.74											
15	64QAM	1	37	17.88	17.88	17.79											
15	64QAM	36	0	17.72	17.82	17.68		19.5	0								
15	64QAM	36	20	17.78	17.83	17.81											
15	64QAM	75	5	17.83	17.86	17.83											
15	64QAM	75	0	17.70	17.81	17.67											
15	256QAM	1	0	17.84	17.74	17.64											
15	256QAM	1	37	17.85	17.78	17.68		19.5	0								
15	256QAM	1	74	17.74	17.76	17.58											
15	256QAM	36	5	17.79	17.88	17.87											
15	256QAM	36	20	17.82	17.76	17.77											
15	256QAM	36	35	17.80	17.76	17.77											
15	256QAM	75	0	17.83	17.79	17.67		19.5	0								
Channel																	
38750 38800 38150																	
Frequency (MHz)																	
10	QPSK	1	0	18.00	18.13	18.03		19.5	0								
10	QPSK	1	24	17.93	18.10	17.87											
10	QPSK	1	49	17.86	18.06	18.07											
10	QPSK	25	0	18.03	18.06	17.86											
10	QPSK	25	12	17.90	18.01	17.81											
10	QPSK	25	25	17.80	17.86	17.86		19.5	0								
10	QPSK	50	5	17.68	17.91	17.86											
10	16QAM	1	0	17.69	17.84	17.69											
10	16QAM	1	25	17.65	18.01	17.77											
10	16QAM	1	49	17.75	17.92	17.77											
10	16QAM	25	12	17.62	17.81	17.63		19.5	0								
10	16QAM	25	25	17.72	17.74	17.71											
10	16QAM	25	50	17.82	17.92	17.73											
10	16QAM	50	0	17.84	17.91	17.77											
10	64QAM	1	0	17.74	17.69	17.76											
10	64QAM	1	24	17.84	17.81	17.78		19.5	0								
10	64QAM	25	0	17.72	17.68	17.61											
10	64QAM	25	12	17.84	17.81	17.78											
10	64QAM	25	25	17.90	17.84	17.77											
10	64QAM	50	5	17.65	17.73	17.65											
10	256QAM	1	0	17.69	17.77	17.70		19.5	0								
10	256QAM	1	49	17.78	17.77	17.65											
10	256QAM	1	99	17.68	17.86	17.69											
10	256QAM	25	12	17.72	17.77	17.69											
10	256QAM	25	25	17.60	17.77	17.68											
10	256QAM	50	0	17.67	17.77	17.70		19.5	0								
Channel																	
38750 38800 38150																	
Frequency (MHz)																	
5	QPSK	1	0	18.09	18.17	18.03		19.5	0								
5	QPSK	1	12	17.93	18.10	17.91											
5	QPSK	1	24	17.85	18.01	18.09											
5	QPSK	12	0	18.06	18.14	17.86											
5	QPSK	12	7	17.94	17.86	17.85											
5	QPSK	12	13	17.82	17.89	17.81		19.5	0								
5	QPSK	25	0	17.75	17.86	17.80											
5	16QAM	1	0	17.77	17.84	17.71											
5	16QAM	1	12	17.69	18.02	17.73											
5	16QAM	1	24	17.74	17.80	17.74											
5	16QAM	12	0	17.85	17.85	17.78		19.5	0								
5	16QAM	12	7	17.67	17.62	17.66											
5	16QAM	12	13	17.69	17.69	17.69		19.5	0								
5	16QAM	25	0	17.84	17.84	17.74											
5	64QAM	1	0	17.71	17.69	17.74											
5	64QAM	1	12	17.88	17.88	17.79											
5	64QAM	1	24	17.84	17.84	17.74											
5	64QAM	12	0	17.80	17.67	17.63		19.5	0								
5	64QAM	12	7	17.88	17.88	17.87											
5	64QAM	12	13	17.91	17.83	17.74											
5	64QAM	25	0	17.64	17.71	17.60											
5	256QAM	1	0	17.68	17.78	17.69											
5	256QAM	1	12	17.68	17.77	17.68		19.5	0								
5	256QAM	1	24	17.76	17.76	17.68											
5	256QAM	12	0	17.72	17.72	17.65											
5	256QAM	12	7	17.66	17.64	17.63											
5	256QAM	12	13	17.76	17.76	17.67											

Band 41 Ant0 PC2 DSI 3 Standalone																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Tune-up limit [dBm]	MPE [dB]						
Channel																
Frequency [MHz]																
20	QPSK	1	0	21.14	21.16	21.17	21.18	21.21	22.7	0						
20	QPSK	1	49	21.14	21.23	21.14	21.08	21.04								
20	QPSK	50	0	21.00	21.07	21.06	21.04	21.03								
20	QPSK	50	5	20.98	21.05	21.02	21.02	20.98								
20	QPSK	50	24	21.02	21.07	20.99	20.99	20.94								
20	QPSK	50	50	20.95	20.97	20.97	20.93	21.02	22.7	0						
20	QPSK	100	0	21.02	21.11	21.17	21.09	20.95								
20	16QAM	1	0	20.99	21.11	20.95	21.08	20.88								
20	16QAM	1	49	20.98	21.05	20.99	21.09	20.98								
20	16QAM	50	0	20.98	21.09	20.99	20.95	20.98								
20	16QAM	50	24	20.99	21.09	20.99	20.95	20.95	22.7	0						
20	16QAM	50	49	21.06	21.04	21.07	21.03	20.93								
20	16QAM	100	0	21.04	21.08	21.07	21.03	20.93								
20	64QAM	1	0	20.95	20.98	20.94	20.99	20.86								
20	64QAM	1	49	20.93	21.09	21.14	20.99	20.91								
20	64QAM	1	99	21.11	21.06	20.99	20.98	20.89	22.7	0						
20	64QAM	50	0	20.98	20.99	20.95	20.95	20.85								
20	64QAM	50	24	20.97	21.07	21.24	21.02	20.93								
20	64QAM	50	50	21.12	21.19	21.11	21.02	20.99								
20	64QAM	100	0	20.96	20.99	20.95	20.95	20.85								
20	256QAM	1	0	20.90	20.91	20.91	20.94	20.49	22	0.7						
20	256QAM	1	49	20.90	20.96	20.99	20.47	20.37								
20	256QAM	1	99	20.41	20.96	20.94	20.45	20.43								
20	256QAM	50	0	20.44	20.47	20.47	20.53	20.45								
20	256QAM	50	24	20.52	20.47	20.45	20.37	20.40								
20	256QAM	50	50	20.42	20.37	20.35	20.32	20.35	22	0.7						
20	256QAM	100	0	20.37	20.31	20.27	20.35	20.45								
Channel																
Frequency [MHz]																
16	QPSK	1	0	21.06	21.04	21.18	21.01	20.92	23	0						
16	QPSK	1	37	21.02	21.15	20.99	20.94	20.96								
16	QPSK	1	74	20.90	20.97	20.92	20.92	20.98								
16	QPSK	36	0	20.93	20.91	21.13	21.01	20.81								
16	QPSK	36	20	20.82	20.91	20.84	20.82	20.90								
16	QPSK	75	0	20.96	20.96	21.09	21.05	20.85	22.7	0						
16	16QAM	1	0	20.94	21.03	20.97	21.02	20.81								
16	16QAM	1	37	20.76	20.97	20.91	20.86	20.87								
16	16QAM	1	74	20.82	20.93	21.13	21.05	20.85								
16	16QAM	36	0	20.82	20.95	20.99	20.94	20.83								
16	16QAM	36	20	20.80	20.91	20.85	20.82	20.80	22.7	0						
16	16QAM	36	59	21.01	20.93	21.04	20.87	20.83								
16	16QAM	75	0	20.90	20.95	20.92	20.86	20.86								
16	64QAM	1	0	20.85	20.90	20.80	20.86	20.79								
16	64QAM	1	37	20.78	21.04	21.00	20.91	20.77								
16	64QAM	1	74	21.00	20.97	20.91	20.81	20.81	22.7	0						
16	64QAM	36	0	20.93	20.87	20.84	20.85	20.79								
16	64QAM	36	20	20.82	20.87	20.84	20.86	20.87								
16	64QAM	75	0	20.82	20.93	21.16	20.82	20.76								
16	64QAM	75	0	20.81	20.78	20.85	20.84	20.76								
16	256QAM	1	0	20.42	20.43	20.40	20.43	20.40	22	0.7						
16	256QAM	1	37	20.35	20.35	20.27	20.34	20.35								
16	256QAM	1	74	20.34	20.25	20.25	20.32	20.32								
16	256QAM	36	0	20.34	20.33	20.37	20.44	20.30								
16	256QAM	36	20	20.41	20.39	20.39	20.30	20.32								
16	256QAM	36	59	20.34	20.29	20.16	20.22	20.22	22	0.7						
16	256QAM	75	0	20.28	20.16	20.14	20.27	20.33								
Channel																
Frequency [MHz]																
10	QPSK	1	0	21.01	21.05	21.19	21.02	20.89	23	0						
10	QPSK	1	25	20.99	21.14	21.08	20.92	20.96								
10	QPSK	1	49	20.88	20.91	20.92	20.92	20.87								
10	QPSK	25	0	20.93	20.94	21.12	20.99	20.74								
10	QPSK	25	12	20.96	20.95	20.88	20.92	20.83								
10	QPSK	25	25	20.86	20.92	20.93	20.81	20.87	22.7	0						
10	QPSK	50	0	20.92	21.02	21.06	21.03	20.83								
10	16QAM	1	0	20.89	20.97	20.87	20.93	20.75								
10	16QAM	1	25	20.79	20.89	20.93	20.81	20.85								
10	16QAM	1	49	20.94	21.03	21.11	21.09	20.87								
10	16QAM	25	0	20.88	20.94	20.96	20.84	20.84	22.7	0						
10	16QAM	25	12	20.84	20.77	20.83	20.75	20.79								
10	16QAM	25	25	21.01	21.02	20.97	20.87	20.91								
10	16QAM	50	0	20.99	20.96	20.95	20.80	20.83								
10	64QAM	1	0	20.87	20.87	20.79	20.83	20.79								
10	64QAM	1	25	20.89	21.04	21.04	20.89	20.76	22.7	0						
10	64QAM	1	49	21.07	20.96	20.93	20.87	20.84								
10	64QAM	25	0	20.83	20.83	20.87	20.85	20.87								
10	64QAM	25	12	20.86	20.81	21.02	20.86	20.79								
10	64QAM	25	25	20.97	21.13	21.05	20.96	20.77								
10	64QAM	50	0	20.90	20.74	20.90	20.61	20.76	22	0.7						
10	256QAM	1	0	20.42	20.38	20.28	20.39	20.30								
10	256QAM	1	25	20.35	20.23	20.20	20.30	20.23								
10	256QAM	1	49	20.27	20.24	20.23	20.34	20.36								
10	256QAM	25	0	20.36	20.30	20.27	20.39	20.36								
10	256QAM	25	12	20.40	20.35	20.27	20.23	20.26	22	0.7						
10	256QAM	25	25	20.31	20.26	20.16	20.19	20.34								
10	256QAM	50	0	20.26	20.24	20.20	20.26	20.30								
Channel																
Frequency [MHz]																
5	QPSK	1	0	21.03	21.09	21.21	21.07	20.94	23	0						
5	QPSK	1	12	21.07	21.08	20.99	20.97	20.89								
5	QPSK	1	24	20.99	20.92	21.09	20.96	20.94								
5	QPSK	12	0	20.85	20.98	21.07	20.93	20.83								
5	QPSK	12	7	20.94	20.93	20.87	20.88	20.81								
5	QPSK	12	13	20.84	20.82	20.91	20.82	20.93	22.7	0						
5	QPSK	26	0	20.89	21.07	21.07	21.01	20.7								

Band 2 Ant1 DS13 Standalone														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.41	18.40	18.40	19.1	0						
20	QPSK	1	49	18.40	18.42	18.33								
20	QPSK	1	99	18.34	18.37	18.37								
20	QPSK	50	0	18.31	18.30	18.29								
20	QPSK	50	24	18.25	18.28	18.28	19.1	0						
20	QPSK	50	50	18.23	18.26	18.30								
20	QPSK	100	0	18.27	18.30	18.33								
20	16QAM	50	0	18.33	18.33	18.33								
20	16QAM	1	49	18.19	18.20	18.25	19.1	0						
20	16QAM	1	99	18.30	18.32	18.36								
20	16QAM	50	0	18.28	18.28	18.17								
20	16QAM	50	24	18.30	18.35	18.31								
20	16QAM	50	50	18.34	18.30	18.36	19.1	0						
20	16QAM	100	0	18.34	18.34	18.33								
20	64QAM	1	0	18.19	18.28	18.34								
20	64QAM	1	49	18.26	18.30	18.35								
20	64QAM	1	99	18.25	18.29	18.30	19.1	0						
20	64QAM	50	0	18.27	18.28	18.36								
20	64QAM	50	24	18.30	18.35	18.31								
20	64QAM	100	0	18.23	18.27	18.31								
20	256QAM	1	0	17.28	17.30	17.19	19	0.1						
20	256QAM	1	49	17.25	17.27	17.27								
20	256QAM	1	99	17.31	17.29	17.31								
20	256QAM	50	0	17.38	17.38	17.19								
20	256QAM	50	24	17.05	17.05	17.23	19	0.1						
20	256QAM	50	50	17.31	17.35	17.13								
20	256QAM	100	0	17.27	17.23	17.23								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.32	18.35	18.28	19.1	0						
15	QPSK	1	39	18.21	18.23	18.29								
15	QPSK	1	74	18.21	18.23	18.29								
15	QPSK	36	0	18.24	18.26	18.14								
15	QPSK	36	25	18.12	18.12	18.23	19.1	0						
15	QPSK	36	39	18.15	18.21	18.18								
15	QPSK	75	0	18.12	18.23	18.26								
15	16QAM	50	0	18.25	18.14	18.20								
15	16QAM	1	37	18.10	18.18	18.20	19.1	0						
15	16QAM	1	74	18.19	18.23	18.17								
15	16QAM	36	0	18.14	18.12	18.27								
15	16QAM	36	20	18.15	18.15	18.22								
15	16QAM	36	39	18.20	18.20	18.24	19.1	0						
15	16QAM	75	0	18.25	18.20	18.08								
15	64QAM	1	0	18.03	18.23	18.14								
15	64QAM	1	37	18.21	18.23	18.12								
15	64QAM	1	74	18.21	18.21	18.11	19.1	0						
15	64QAM	36	0	18.19	18.18	18.17								
15	64QAM	36	20	18.14	17.95	18.24								
15	64QAM	36	39	18.11	18.25	18.19								
15	64QAM	75	0	18.13	18.17	18.20	19.1	0						
15	256QAM	1	0	17.29	17.28	17.21								
15	256QAM	1	37	17.23	17.23	17.28								
15	256QAM	1	74	17.31	17.30	17.36								
15	256QAM	50	0	17.35	17.35	17.26	19	0.1						
15	256QAM	50	25	17.15	17.22	17.36								
15	256QAM	36	39	17.28	17.27	17.14								
15	256QAM	75	0	17.26	17.30	17.21								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.33	18.41	18.29	19.1	0						
10	QPSK	1	25	18.26	18.26	18.26								
10	QPSK	1	49	18.26	18.25	18.21								
10	QPSK	25	0	18.17	18.26	18.18								
10	QPSK	25	12	18.14	18.13	18.19	19.1	0						
10	QPSK	25	25	18.11	18.13	18.22								
10	QPSK	50	0	18.19	18.22	18.27								
10	QPSK	50	0	18.26	18.14	18.16								
10	16QAM	1	25	18.08	18.19	18.11	19.1	0						
10	16QAM	1	49	18.16	18.16	18.15								
10	16QAM	25	0	18.23	18.16	18.10								
10	16QAM	25	12	18.24	18.09	18.21								
10	16QAM	25	25	18.26	18.21	18.16	19.1	0						
10	16QAM	50	0	18.18	18.25	18.12								
10	16QAM	50	0	18.09	18.19	18.18								
10	16QAM	50	25	18.18	18.18	18.18								
10	64QAM	1	0	18.09	18.13	18.04	19.1	0						
10	64QAM	1	49	18.21	18.13	18.24								
10	64QAM	25	0	18.17	18.17	18.23								
10	64QAM	25	25	18.11	18.17	18.13								
10	64QAM	50	0	18.15	18.19	18.27	19	0.1						
10	64QAM	50	25	17.15	17.15	17.33								
10	256QAM	1	25	17.27	17.21	17.35								
10	256QAM	1	49	17.40	17.28	17.36								
10	256QAM	25	0	17.35	17.35	17.35	19	0.1						
10	256QAM	25	12	17.20	17.25	17.30								
10	256QAM	25	25	17.23	17.32	17.19								
10	256QAM	50	0	17.26	17.30	17.28								
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.36	18.31	18.29	19.1	0						
5	QPSK	1	12	18.35	18.38	18.24								
5	QPSK	1	24	18.32	18.37	18.27								
5	QPSK	12	0	18.17	18.24	18.24								
5	QPSK	12	7	18.16	18.18	18.24	19.1	0						
5	QPSK	12	13	18.03	18.14	18.14								
5	QPSK	25	0	18.16	18.31	18.15								
5	QPSK	25	7	18.21	18.17	18.11								
5	16QAM	1	0	18.21	18.17	18.11	19.1	0						
5	16QAM	1	12	18.21	18.18	18.18								
5	16QAM	12	0	18.22	18.24	18.02								
5	16QAM	12	13	18.16	18.16	18.18								
5	16QAM	12	19	18.26	18.19	18.20	19.1	0						
5	16QAM	25	0	18.23	18.26	18.15								
5	16QAM	25	7	18.12	18.14	18.16								
5	16QAM	12	12	18.12	18.16	18.03								
5	16QAM	1	24	18.12	18.14	18.13	19.1	0						
5	16QAM	1	25	18.12	18.17	18.18								
5	16QAM	12	13	18.17	18.17	18.12								
5	16QAM	12	19	18.17	18.19	18.20								
5	16QAM	1	0	17.29	17.26	17.17	19	0.1						
5	256QAM	1	0	17.33	17.35	17.26								
5	256QAM	1	12	17.36	17.38	17.27								
5	256QAM	12	0	17.39	17.33	17.19								
5	256QAM	12	13	17.37	17.33	17.23	19	0.1						
5	256QAM	12	19	17.30	17.31	17.23								
5	256QAM	25	0	17.21	17.31	17.24								
5	256QAM	25	12	17.20	17.26	17.30								
Channel														
Frequency (MHz)														
3	QPSK	1	0	18.37	18.40	18.33	19.1	0						
3	QPSK	1	0	18.28	18.38	18.30								
3	QPSK	1	14	18.29	18.36	18.27								
3	QPSK	8	0	18.17	18.28	18.22								
3	QPSK	8	0	18.16	18.18	18.22	19.1	0						
3	QPSK	8	8	18.15	18.14	18.18								
3	QPSK	16	0	18.16	18.29	18.18								
3	QPSK	16	8	18.13	18.16	18.19								
3	16QAM	1	8	18.12	18.15	18.20	19.1	0						
3	16QAM	1	14	18.18	18.18	18.18								
3	16QAM	8	0	18.17	18.20	18.21								
3	16QAM	8	4	18.21	18.20	18.21								
3	16QAM	8	7	18.21	18.26	18.24	19.1	0						
3	16QAM	16	0	18.20	18.23	18.20								
3	16QAM	1	0	18.08	18.20	18.12								
3	16QAM	1	8	18.16	18.20	18.15								
3	16QAM	8	0	18.18	18.13	18.25	19.1	0						
3	16QAM	8	4	18.16	17.90	18.25								
3	16QAM	16	0	18.14	18.13	18.18								
3	256QAM	1	0	17.22	17.29	17.23								
3	256QAM	1	7	17.37	17.36	17.27	19	0.1						
3	256QAM	1	14	17.33	17.31	17.27								
3	256QAM	8	0	17.18	17.24	17.25								
3	256QAM	8	7	17.25	17.30	17.17								
3	256QAM	16	0	17.26	17.30	17.25	19	0.1						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	18.28	18.34	18.30			19.1	0				
1.4	QPSK	1	0	18.29	18.33	18.31								
1.4	QPSK	3	0	18.15	18.34	18.30								
1.4	QPSK	3	0	18.10	18.18	18.26								
1.4	QPSK	3	3	18.11	18.15	18.12	19.1	0						
1.4	QPSK	6	0	18.16	18.18	18.19								
1.4	QPSK	6	0	18.16	18.21	18.18								
1.4	QPSK	3	1	18.10	18.16	18.19								
1.4	16QAM	3	1	18.14	18.20	18.20	19.1	0						
1.4	16QAM	3	1	18.14	18.25	18.23								
1.4	16QAM	6	0	18.26	18.28	18.12								
1.4	16QAM	6	0	18.05	18.19	18.16								
1.4	16QAM	3	0	18.13	18.13	18.07	19.1	0						
1.4	16QAM	3	0	18.13	18.14	18.16								
1.4	16QAM	6	0	18.16	18.21	18.21								
1.4	16QAM	6	0	18.14	18.16	18.18								
1.4	16QAM	3	3	17.33	17.34	17.27	19	0.1						
1.4	16QAM	3	3	17.23	17.21	17.32								
1.4	256QAM	1	0	17.28	17.31	17.27								
1.4	256QAM	1	0	17.24	17.27	17.27								
1.4	256QAM	3	0	17.16	17.31	17.29	19	0.1						
1.4	256QAM	3	0	17.24	17.27	17.27								
1.4	256QAM	6	0	17.29	17.29	17.16								
1.4	256QAM	6	0	17.29	17.29	17.16								



Band 4 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	14.97	15.00	15.03			
20	QPSK	1	49	14.98	14.99	14.98	18.3	0	
20	QPSK	1	99	14.92	14.98	14.89			
20	QPSK	50	0	14.94	15.03	14.93			
20	QPSK	50	25	14.93	14.94	14.92			
20	QPSK	50	50	14.84	14.91	14.87	18.3	0	
20	QPSK	100	0	14.85	14.93	14.83			
20	16QAM	1	0	14.99	15.02	15.03			
20	16QAM	1	49	14.89	14.82	14.79	18.3	0	
20	16QAM	1	99	14.93	14.90	14.89			
20	16QAM	50	0	14.81	14.90	14.81			
20	16QAM	50	24	14.88	14.75	14.75	18.3	0	
20	16QAM	50	50	14.82	14.80	14.79			
20	64QAM	1	0	15.03	15.02	14.97			
20	64QAM	1	49	14.92	14.97	14.81	18.3	0	
20	64QAM	1	99	14.97	14.99	14.88			
20	64QAM	50	0	14.88	14.82	14.85			
20	64QAM	50	24	14.84	14.70	14.78	18.3	0	
20	64QAM	50	50	14.80	14.96	14.84			
20	256QAM	1	0	14.87	15.01	14.91			
20	256QAM	1	49	14.81	14.89	14.75	18.3	0	
20	256QAM	1	99	14.87	14.78	14.77			
20	256QAM	50	0	14.80	14.93	14.86			
20	256QAM	50	24	14.81	14.85	14.88	18.3	0	
20	256QAM	50	50	14.83	14.78	14.76			
20	256QAM	100	0	14.79	14.85	14.70			
Channel									
Frequency (MHz)									
19	QPSK	1	0	15.03	15.00	15.04			
19	QPSK	1	49	15.03	14.97	14.98	18.3	0	
19	QPSK	1	74	15.03	14.90	14.88			
19	QPSK	36	0	14.96	15.08	15.00			
19	QPSK	36	14	14.98	14.92	14.84	18.3	0	
19	QPSK	36	39	14.90	14.96	14.87			
19	QPSK	75	0	14.91	14.89	14.81			
19	16QAM	1	0	14.95	15.07	15.02			
19	16QAM	1	37	14.92	14.79	14.87	18.3	0	
19	16QAM	1	74	14.94	14.87	14.84			
19	16QAM	36	0	14.88	15.07	15.09			
19	16QAM	36	20	14.88	14.77	14.76	18.3	0	
19	16QAM	36	39	14.89	14.86	14.78			
19	16QAM	75	0	14.87	14.89	14.82			
19	64QAM	1	0	14.98	15.03	14.95			
19	64QAM	1	37	14.93	14.82	14.81	18.3	0	
19	64QAM	1	74	14.97	14.92	14.85			
19	64QAM	36	0	14.87	14.93	14.86			
19	64QAM	36	20	14.82	14.76	14.81	18.3	0	
19	64QAM	36	39	14.79	14.88	14.84			
19	64QAM	75	0	14.83	14.82	14.84			
19	256QAM	1	0	14.90	15.06	14.91			
19	256QAM	1	37	14.84	14.80	14.71	18.3	0	
19	256QAM	1	74	14.85	14.73	14.70			
19	256QAM	36	0	14.85	14.85	14.85			
19	256QAM	36	20	14.85	14.70	14.64	18.3	0	
19	256QAM	36	39	14.78	14.84	14.77			
19	256QAM	75	0	14.76	14.78	14.79			
Channel									
Frequency (MHz)									
19	QPSK	1	0	15.04	15.01	15.03			
19	QPSK	1	26	15.03	14.91	14.85	18.3	0	
19	QPSK	1	49	15.02	14.90	14.85			
19	QPSK	25	0	14.95	15.03	14.98			
19	QPSK	25	14	14.89	14.87	14.75	18.3	0	
19	QPSK	25	26	14.93	14.96	14.92			
19	QPSK	50	0	14.86	14.90	14.87			
19	16QAM	1	0	14.93	15.07	15.01			
19	16QAM	1	26	14.90	14.84	14.87	18.3	0	
19	16QAM	1	49	14.96	14.94	14.91			
19	16QAM	25	0	14.82	14.84	14.87			
19	16QAM	25	12	14.84	14.76	14.73	18.3	0	
19	16QAM	25	14	14.81	14.87	14.81			
19	16QAM	50	0	14.79	14.83	14.89			
19	64QAM	1	0	14.94	15.01	15.01			
19	64QAM	1	26	14.87	14.82	14.85	18.3	0	
19	64QAM	1	49	14.97	14.95	14.78			
19	64QAM	25	0	14.89	15.01	14.86			
19	64QAM	25	19	14.89	14.82	14.85	18.3	0	
19	64QAM	25	26	14.76	14.94	14.83			
19	64QAM	50	0	14.89	14.88	14.86			
19	256QAM	1	0	14.96	15.05	14.96			
19	256QAM	1	26	14.87	14.75	14.71	18.3	0	
19	256QAM	1	49	14.83	14.74	14.62			
19	256QAM	25	0	14.88	14.82	14.84			
19	256QAM	25	12	14.85	14.78	14.70	18.3	0	
19	256QAM	25	14	14.82	14.70	14.61			
19	256QAM	25	26	14.74	14.77	14.77			
19	256QAM	50	0	14.82	14.86	14.76			
Channel									
Frequency (MHz)									
5	QPSK	1	0	14.98	15.00	15.01			
5	QPSK	1	14	14.91	14.96	14.94	18.3	0	
5	QPSK	1	24	14.95	14.93	14.97			
5	QPSK	12	0	14.97	15.06	14.92			
5	QPSK	12	14	14.92	14.90	14.86	18.3	0	
5	QPSK	12	13	14.93	14.94	14.81			
5	QPSK	25	0	14.91	14.97	14.89			
5	16QAM	1	0	14.91	14.98	14.94			
5	16QAM	1	12	14.94	14.88	14.80	18.3	0	
5	16QAM	1	24	14.95	14.92	14.85			
5	16QAM	12	0	14.87	15.02	15.01			
5	16QAM	12	7	14.84	14.73	14.71	18.3	0	
5	16QAM	12	14	14.85	14.82	14.84			
5	64QAM	1	0	14.88	14.81	14.82			
5	64QAM	1	0	15.08	15.07	14.93	18.3	0	
5	64QAM	1	14	14.94	14.88	14.81			
5	64QAM	1	24	14.87	15.01	14.85			
5	64QAM	12	0	14.88	14.91	14.85			
5	64QAM	12	13	14.76	14.94	14.77	18.3	0	
5	64QAM	25	0	14.90	14.84	14.88			
5	256QAM	1	0	14.97	14.97	14.84			
5	256QAM	1	12	14.93	14.83	14.81	18.3	0	
5	256QAM	1	24	14.82	14.82	14.82			
5	256QAM	1	14	14.81	14.82	14.83			
5	256QAM	12	0	14.89	14.86	14.80			
5	256QAM	12	7	14.79	14.68	14.69	18.3	0	
5	256QAM	15	0	14.84	14.78	14.72			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	15.04	15.03	15.03			
1.4	QPSK	1	3	15.03	14.97	14.92	18.3	0	
1.4	QPSK	1	5	14.94	14.98	14.90			
1.4	QPSK	3	0	14.95	15.09	14.95			
1.4	QPSK	3	1	14.95	14.96	14.84			
1.4	QPSK	6	0	14.91	14.91	14.88	18.3	0	
1.4	QPSK	8	7	14.90	14.89	14.88			
1.4	16QAM	1	0	14.92	15.04	14.96			
1.4	16QAM	1	8	14.94	14.84	14.89	18.3	0	
1.4	16QAM	1	14	14.93	14.85	14.81			
1.4	16QAM	8	0	14.84	14.97	15.00			
1.4	16QAM	8	4	14.91	14.81	14.73	18.3	0	
1.4	16QAM	8	7	14.86	14.87	14.76			
1.4	16QAM	16	0	14.79	14.81	14.85			
1.4	64QAM	1	0	15.01	15.06	15.00			
1.4	64QAM	1	1	14.89	14.96	14.83	18.3	0	
1.4	64QAM	1	14	14.89	14.82	14.80			
1.4	64QAM	8	0	14.85	15.01	14.86			
1.4	64QAM	8	7	14.82	14.97	14.84	18.3	0	
1.4	64QAM	15	0	14.82	14.97	14.84			
1.4	256QAM	1	0	14.95	14.82	14.82	18.3	0	
1.4	256QAM	1	14	14.81	14.82	14.83			
1.4	256QAM	1	3	14.97	14.82	14.80			
1.4	256QAM	1	14	14.89	14.86	14.80	18.3	0	
1.4	256QAM	3	0	14.89	14.86	14.80			
1.4	256QAM	8	4	14.76	14.68	14.69	18.3	0	
1.4	256QAM	8	7	14.79	14.69	14.70			
1.4	256QAM	15	0	14.84	14.78	14.72			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	15.04	15.03	15.03			
1.4	QPSK	1	3	15.03	14.97	14.92	18.3	0	
1.4	QPSK	1	5	14.94	14.98	14.90			
1.4	QPSK	3	0	14.95	15.09	14.95			
1.4	QPSK	3	1	14.95	14.96	14.84			



Band 7 Ant1 DSI 3 Standalone														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-up (ms)	APR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	19.48	19.09	19.06	20.6	0						
20	QPSK	1	49	19.44	19.41	19.34								
20	QPSK	1	99	19.42	19.38	19.38								
20	QPSK	50	0	19.41	19.05	19.40								
20	QPSK	50	24	19.33	19.38	19.25	20.6	0						
20	QPSK	50	50	19.32	19.39	19.29								
20	QPSK	100	0	19.47	19.03	19.41								
20	16QAM	1	0	19.34	19.43	19.39								
20	16QAM	1	49	19.25	19.22	19.34	20.6	0						
20	16QAM	1	99	19.21	19.20	19.36								
20	16QAM	50	0	19.40	19.45	19.36								
20	16QAM	50	24	19.34	19.26	19.30								
20	16QAM	50	50	19.28	19.23	19.37	20.6	0						
20	64QAM	1	0	19.36	19.40	19.31								
20	64QAM	1	49	19.28	19.47	19.33								
20	64QAM	1	99	19.26	19.47	19.24								
20	64QAM	50	0	19.31	19.40	19.29	20.6	0						
20	64QAM	50	24	19.28	19.30	19.13								
20	64QAM	50	50	19.18	19.10	19.12								
20	64QAM	100	0	19.38	19.40	19.33								
20	256QAM	1	0	17.89	17.89	17.85	19	1.6						
20	256QAM	1	49	17.88	17.84	17.91								
20	256QAM	1	99	18.10	17.87	17.93								
20	256QAM	50	0	18.04	17.97	18.05								
20	256QAM	50	24	18.02	17.99	18.03	19	1.6						
20	256QAM	50	50	18.07	18.02	17.99								
20	256QAM	100	0	17.82	17.83	17.88								
Channel														
Frequency (MHz)														
10	QPSK	1	0	19.35	19.05	19.00	20.6	0						
10	QPSK	1	26	19.35	19.34	19.25								
10	QPSK	1	74	19.28	19.21	19.24								
10	QPSK	36	0	19.25	19.43	19.32								
10	QPSK	36	0	19.28	19.36	19.27	20.6	0						
10	QPSK	36	39	19.26	19.19	19.23								
10	QPSK	75	0	19.43	19.42	19.34								
10	16QAM	1	0	19.21	19.28	19.12								
10	16QAM	1	37	19.18	19.10	19.27	20.6	0						
10	16QAM	1	74	19.10	19.14	19.24								
10	16QAM	36	0	19.35	19.30	19.21								
10	16QAM	36	20	19.22	19.09	19.23								
10	16QAM	36	39	19.15	19.16	19.25	20.6	0						
10	16QAM	75	0	19.03	19.05	19.00								
10	64QAM	1	0	19.35	19.29	19.15								
10	64QAM	1	37	19.19	19.04	19.20								
10	64QAM	1	74	19.17	19.36	19.17	20.6	0						
10	64QAM	36	0	19.27	19.35	19.15								
10	64QAM	36	20	19.12	19.14	19.38								
10	64QAM	36	39	19.12	19.06	19.39								
10	64QAM	75	0	19.24	19.36	19.23	20.6	0						
10	256QAM	1	0	17.76	17.86	17.74								
10	256QAM	1	37	17.84	17.75	17.84								
10	256QAM	1	74	17.99	17.93	17.81								
10	256QAM	36	0	17.85	17.89	17.86	19	1.6						
10	256QAM	36	20	17.88	17.95	17.79								
10	256QAM	36	39	17.82	17.98	17.91								
10	256QAM	75	0	17.82	17.91	17.78								
Channel														
Frequency (MHz)														
10	QPSK	1	0	19.33	19.01	19.47	20.6	0						
10	QPSK	1	26	19.30	19.35	19.25								
10	QPSK	1	49	19.32	19.27	19.24								
10	QPSK	25	0	19.32	19.45	19.27								
10	QPSK	25	12	19.22	19.26	19.13	20.6	0						
10	QPSK	25	25	19.17	19.15	19.18								
10	QPSK	50	0	19.38	19.41	19.30								
10	16QAM	1	0	19.23	19.30	19.17								
10	16QAM	1	25	19.19	19.17	19.26	20.6	0						
10	16QAM	1	49	19.16	19.07	19.25								
10	16QAM	25	0	19.33	19.31	19.26								
10	16QAM	25	12	19.29	19.05	19.15								
10	16QAM	25	25	19.16	19.07	19.23	20.6	0						
10	16QAM	50	0	19.04	19.11	19.06								
10	64QAM	1	0	19.26	19.26	19.19								
10	64QAM	1	25	19.16	19.22	19.28								
10	64QAM	1	49	19.15	19.38	19.10	20.6	0						
10	64QAM	25	0	19.26	19.35	19.23								
10	64QAM	25	10	19.21	19.19	19.08								
10	64QAM	25	25	19.05	19.03	19.08								
10	64QAM	50	0	19.27	19.26	19.26	20.6	0						
10	256QAM	1	0	17.75	17.84	17.74								
10	256QAM	1	25	17.73	17.73	17.77								
10	256QAM	1	49	17.88	17.85	17.87								
10	256QAM	25	0	17.89	17.82	17.84	19	1.6						
10	256QAM	25	12	17.97	17.94	17.97								
10	256QAM	25	25	17.85	17.89	17.85								
10	256QAM	50	0	17.80	17.79	17.83								
Channel														
Frequency (MHz)														
5	QPSK	1	0	19.37	19.43	19.46	20.6	0						
5	QPSK	1	15	19.39	19.34	19.29								
5	QPSK	1	24	19.33	19.28	19.29								
5	QPSK	12	0	19.30	19.46	19.30								
5	QPSK	12	0	19.21	19.26	19.11	20.6	0						
5	QPSK	12	13	19.17	19.20	19.15								
5	QPSK	25	0	19.39	19.42	19.34								
5	16QAM	1	0	19.30	19.27	19.15								
5	16QAM	1	12	19.17	19.15	19.23	20.6	0						
5	16QAM	1	24	19.07	19.08	19.23								
5	16QAM	12	0	19.27	19.04	19.31								
5	16QAM	12	13	19.17	19.18	19.17								
5	16QAM	25	0	19.15	19.16	19.23	20.6	0						
5	16QAM	25	0	19.07	19.00	19.05								
5	64QAM	1	0	19.26	19.35	19.26								
5	64QAM	1	12	19.15	19.41	19.20								
5	64QAM	1	24	19.22	19.34	19.17	20.6	0						
5	64QAM	12	0	19.13	19.16	19.09								
5	64QAM	12	13	19.08	19.09	19.06								
5	64QAM	25	0	19.22	19.29	19.19								
5	256QAM	1	0	17.79	17.76	17.77	19	1.6						
5	256QAM	1	12	17.80	17.76	17.84								
5	256QAM	1	24	17.95	17.87	17.86								
5	256QAM	12	0	17.80	17.87	17.87								
5	256QAM	12	7	17.88	17.86	17.86	19	1.6						
5	256QAM	12	13	17.94	17.90	17.93								
5	256QAM	25	0	17.86	17.89	17.83								



Band 17 Ant1 DSI 3&Default Power												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Avg Ch./Freq.	Power High Ch./Freq.	Time-up limit (sec)	MPE (dB)				
Channel												
700 710 711												
15	QPSK	1	0	24.35	24.43	24.42	25	0				
15	QPSK	1	24	24.31	24.34	24.34						
15	QPSK	1	48	24.39	24.34	24.31						
15	QPSK	25	0	23.53	23.49	23.41						
15	QPSK	25	12	23.34	23.38	23.47						
15	QPSK	25	25	23.33	23.28	23.32	24	1				
15	QPSK	50	0	23.27	23.35	23.29						
15	16QAM	1	0	23.66	23.67	23.61						
15	16QAM	1	25	23.65	23.65	23.67						
15	16QAM	1	49	23.68	23.71	23.69						
15	16QAM	25	0	22.62	22.46	22.56	23	2				
15	16QAM	25	12	22.57	22.23	22.29						
15	16QAM	25	25	22.26	22.25	22.31						
15	64QAM	1	0	22.47	22.49	22.45						
15	64QAM	1	25	22.37	22.38	22.36						
15	64QAM	1	49	22.46	22.47	22.46	22	3				
15	64QAM	25	0	21.51	21.55	21.64						
15	64QAM	25	12	21.46	21.45	21.44						
15	64QAM	25	25	21.28	21.33	21.30						
15	64QAM	50	0	21.45	21.38	21.44						
15	256QAM	1	0	19.41	19.39	19.41	20	5				
15	256QAM	1	25	19.14	19.12	19.09						
15	256QAM	1	49	19.31	19.30	19.36						
15	256QAM	25	0	18.52	18.47	18.50						
15	256QAM	25	12	18.09	18.01	18.01						
15	256QAM	25	25	18.30	18.35	18.37	20	5				
15	256QAM	50	0	18.00	18.45	18.42						
Channel												
700.5 710 711.5												
5	QPSK	1	0	24.21	24.36	24.38	25	0				
5	QPSK	1	12	24.22	24.21	24.21						
5	QPSK	1	24	24.25	24.26	24.21						
5	QPSK	12	0	23.19	23.41	23.29						
5	QPSK	12	7	23.25	23.30	23.33						
5	QPSK	12	13	23.28	23.20	23.20	24	1				
5	QPSK	25	0	23.14	23.17	23.21						
5	16QAM	1	0	23.53	23.49	23.52						
5	16QAM	1	12	23.54	23.61	23.52						
5	16QAM	1	24	23.55	23.60	23.59						
5	16QAM	12	0	22.31	22.43	22.47	23	2				
5	16QAM	12	7	22.13	22.13	22.17						
5	16QAM	12	13	22.19	22.14	22.25						
5	16QAM	25	0	22.37	22.43	22.47						
5	64QAM	1	0	22.37	22.43	22.41						
5	64QAM	1	12	22.22	22.24	22.26	23	2				
5	64QAM	1	24	22.40	22.37	22.40						
5	64QAM	12	0	21.36	21.47	21.39						
5	64QAM	12	7	21.58	21.49	21.40						
5	64QAM	12	13	21.21	21.25	21.19						
5	64QAM	25	0	21.35	21.33	21.34	22	3				
5	256QAM	1	0	19.08	19.03	19.01						
5	256QAM	1	12	19.08	19.07	19.03						
5	256QAM	1	24	19.20	19.23	19.26						
5	256QAM	12	0	18.41	18.37	18.39						
5	256QAM	12	7	18.55	18.55	18.57	20	5				
5	256QAM	12	13	18.19	18.25	18.34						
5	256QAM	25	0	18.39	18.41	18.52						

Band 26 Ant1 DSI 3 Standalone												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Avg Ch./Freq.	Power High Ch./Freq.	Time-up limit (sec)	MPE (dB)				
Channel												
815.5 815.5 815.5												
15	QPSK	1	0	21.80	21.86	21.83	22.5	0				
15	QPSK	1	37	21.13	21.09	21.06						
15	QPSK	1	74	21.38	21.45	21.55						
15	QPSK	36	20	20.81	20.76	20.80						
15	QPSK	36	36	20.85	20.85	20.80						
15	QPSK	75	0	20.89	20.92	20.91	22.5	0				
15	16QAM	1	0	20.93	20.92	20.88						
15	16QAM	1	37	20.81	20.86	20.92						
15	16QAM	1	74	20.82	20.76	20.84						
15	16QAM	36	20	20.29	20.35	20.33						
15	16QAM	36	39	20.32	20.33	20.38	22	0.5				
15	16QAM	75	0	20.39	20.40	20.45						
15	64QAM	1	0	20.49	20.48	20.51						
15	64QAM	1	37	20.55	20.58	20.52						
15	64QAM	1	74	20.45	20.45	20.50						
15	64QAM	36	0	19.31	19.34	19.27	21	1				
15	64QAM	36	20	19.05	19.09	19.11						
15	64QAM	36	39	19.18	19.24	19.17						
15	64QAM	75	0	19.17	19.17	19.20						
15	256QAM	1	0	17.49	17.36	17.38						
15	256QAM	1	37	17.41	17.45	17.42	19	3.5				
15	256QAM	1	74	17.34	17.32	17.36						
15	256QAM	36	0	17.51	17.53	17.51						
15	256QAM	36	20	17.48	17.49	17.41						
15	256QAM	36	39	17.47	17.33	17.43						
15	256QAM	75	0	17.45	17.46	17.43	19	3.5				
Channel												
819 819.5 844												
10	QPSK	1	0	20.86	20.89	20.85				22.5	0	
10	QPSK	1	24	20.88	20.71	20.73						
10	QPSK	1	49	20.77	20.87	20.78						
10	QPSK	25	0	20.78	20.95	20.84						
10	QPSK	25	12	20.73	20.70	20.75						
10	QPSK	25	25	20.72	20.71	20.71	22.5	0				
10	QPSK	50	0	20.84	20.81	20.87						
10	16QAM	1	0	20.79	20.84	20.79						
10	16QAM	1	25	20.75	20.76	20.79						
10	16QAM	1	49	20.75	20.69	20.68						
10	16QAM	15	0	20.14	20.26	20.16	22	0.5				
10	16QAM	25	12	20.19	20.27	20.25						
10	16QAM	25	25	20.25	20.08	20.18						
10	16QAM	36	0	20.27	20.33	20.32						
10	16QAM	36	1	0	20.38	20.36	20.41					
10	16QAM	1	25	20.41	20.49	20.47	22	0.5				
10	16QAM	1	49	20.38	20.34	20.35						
10	64QAM	25	0	19.25	19.25	19.35						
10	64QAM	25	12	19.18	19.03	19.05						
10	64QAM	25	25	19.06	19.13	19.11						
10	64QAM	50	0	19.03	19.07	19.14	21	1.5				
10	256QAM	1	0	17.40	17.25	17.24						
10	256QAM	1	25	17.29	17.35	17.35						
10	256QAM	1	49	17.28	17.24	17.31						
10	256QAM	25	0	17.45	17.58	17.45						
10	256QAM	25	12	17.36	17.43	17.53	19	3.5				
10	256QAM	25	25	17.35	17.24	17.29						
10	256QAM	50	0	17.43	17.50	17.51						
Channel												
815.5 815.5 848.5												
5	QPSK	1	0	20.91	21.00	20.73	22.5	0				
5	QPSK	1	12	20.17	20.76	20.72						
5	QPSK	1	24	20.79	20.83	20.80						
5	QPSK	12	0	20.78	20.65	20.62						
5	QPSK	12	7	20.75	20.82	20.85						
5	QPSK	12	13	20.75	20.69	20.72	22.5	0				
5	QPSK	25	0	20.83	20.88	20.77						
5	16QAM	1	0	20.87	20.77	20.77						
5	16QAM	1	12	20.75	20.81	20.85	22.5	0				
5	16QAM	1	24	20.78	20.68	20.75						
5	16QAM	12	0	20.21	20.28	20.29						
5	16QAM	12	7	20.25	20.26	20.26	22	0.5				
5	16QAM	12	13	20.25	20.09	20.14						
5	16QAM	25	0	20.33	20.28	20.32						
5	16QAM	25	7	20.40	20.33	20.35						
5	16QAM	1	12	20.45	20.46	20.38						
5	16QAM	1	24	20.34	20.38	20.37	22	0.5				
5	16QAM	1	49	20.38	20.34	20.35						
5	64QAM	25	0	19.25	19.25	19.35						
5	64QAM	25	12	19.18	19.03	19.05						
5	64QAM	25	25	19.06	19.13	19.11						
5	64QAM	50	0	19.03	19.07	19.14	21	1.5				
5	256QAM	1	0	17.44	17.25	17.25						
5	256QAM	1	12	17.30	17.34	17.34						
5	256QAM	1	24	17.34	17.38	17.38						
5	256QAM	12	0	17.45	17.38	17.42						
5	256QAM	12	7	17.38	17.38	17.52	19	3.5				
5	256QAM	12	13	17.37	17.25	17.31						
5	256QAM	25	0	17.33	17.32	17.35						
Channel												
819 819.5 848.5												
3	QPSK	1	0	20.92	21.00	20.68	22.5	0				
3	QPSK	1	8	20.66	20.77	20.76						
3	QPSK	1	14	20.86	20.87	20.75						
3	QPSK	8	0	20.81	20.88	20.88						
3	QPSK	8	4	20.75	20.67	20.81						
3	QPSK	8	7	20.78	20.70	20.75	22.5	0				
3	QPSK	8	14	20.74	20.81	20.83						
3	QPSK	1	0	20.83	20.77	20.78						
3	QPSK	1	8	20.75	20.68	20.87						
3	QPSK	1	14	20.81	20.84	20.75						
3	QPSK	8	0	20.20	20.24	20.23	22	0.5				
3	QPSK	8	4	20.27	20.17	20.21						
3	QPSK	8	7	20.27	20.08	20.14						
3	QPSK	15	0	20.24	20.33	20.32						
3	QPSK	15	8	20.48	20.42	20.43						
3	QPSK	15	14	20.49	20.40	20.48	22	0.5				
3	QPSK	1	14	20.37	20.38	20.44						
3	QPSK	8	0	19.10	19.16	19.19						
3	QPSK	8	4	19.10	19.05	19.08						
3	QPSK	8	7	19.12	19.16	19.05						
3	QPSK	15	0	19.06	19.06	19.06	21	1.5				
3	QPSK	15	8	19.07	19.07	19.07						
3	QPSK	15	14	19.07	19.07	19.07						
3	QPSK	8	14	17.34	17.39	17.38						
3	QPSK	8	7	17.35	17.35	17.29						
3	QPSK	15	0	17.40	17.40	17.40	19	3.5				
3	QPSK	8	4	17.35	17.33	17.28						
3	QPSK	8	7	17.35	17.35	17.28						
Channel												
819 819.5 848.5												
1.4	QPSK	1	0	20.71	20.66	20.65	22.5	0				
1.4	QPSK	1	3	20.65	20.67	20.62						
1.4	QPSK	1	5	20.70	20.78	20.62						
1.4	QPSK	1	7	20.82	20.75	20.65						
1.4	QPSK	1	9	20.81	20.61	20.71						
1.4	QPSK	3	3	20.78	20.67	20.61	22.5	0				
1.4	QPSK	3	5	20.77	20.72	20.73						
1.4	QPSK	3	7	20.64	20.83	20.68						
1.4	QPSK	1	0	20.56	20.67	20.61						
1.4	QPSK	1	3	20.63	20.64	20.62						
1.4	QPSK	1	5	20.71	20.72	20.72	22.5	0				
1.4	QPSK	1	7	20.70	20.68	20.70						
1.4	QPSK	1	9	20.70	20.68	20.70						
1.4	QPSK	3	3	20.68	20.66	20.66						
1.4	QPSK	3	5	20.56	20.59	20.13						
1.4	QPSK	3	7	20.18	20.20	20.19	22	0.5				
1.4	QPSK	3	9	20.18	20.14	20.27						
1.4	QPSK	3	11	20.26	20.30	20.27						
1.4	QPSK	3	13	20.29	20.28	20.28						
1.4	QPSK	3	15	20.34	20.34	20.22						
1.4	QPSK	6	0	19.14	19.18	19.15	21	1.5				
1.4	QPSK	6	3	19.14	19.14	19.14						
1.4	QPSK	6	5	17.26	17.25	17.28						
1.4	QPSK	1	5	17.11	17.17	17.25						
1.4	QPSK	1	7	17.27	17.29	17.35						
1.4	QPSK	3	3	17.28	17.24	17.28	19	3.5				
1.4	QPSK	3	5	17.21	17.16	17.25						
1.4	QPSK	3	7	17.18	17.13	17.24						
1.4	QPSK	6	0	17.28	17.28	17.28						
1.4	QPSK	6	3	17.28	17.28	17.28						

Band 66 Ant1 DSI 3 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 130072	Power Middle Ch./Freq. 130122	Power High Ch./Freq. 130472	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.44	16.50	16.44			
20	QPSK	1	49	16.40	16.35	16.31	17.6	0	
20	QPSK	1	99	16.38	16.37	16.31			
20	QPSK	50	0	16.36	16.44	16.37			
20	QPSK	50	24	16.32	16.25	16.23	17.6	0	
20	QPSK	50	50	16.31	16.34	16.25			
20	QPSK	100	0	16.29	16.30	16.27			
20	HQAM	1	0	16.37	16.43	16.37			
20	HQAM	1	49	16.34	16.25	16.21	17.6	0	
20	HQAM	1	99	16.31	16.29	16.26			
20	HQAM	50	0	16.28	16.26	16.26			
20	HQAM	50	24	16.25	16.18	16.16	17.6	0	
20	HQAM	50	50	16.22	16.24	16.19			
20	HQAM	100	0	16.21	16.22	16.24			
20	84QAM	1	0	16.41	16.42	16.36			
20	84QAM	1	49	16.31	16.29	16.27	17.6	0	
20	84QAM	1	99	16.29	16.32	16.25			
20	84QAM	50	0	16.28	16.34	16.34			
20	84QAM	50	24	16.25	16.19	16.16	17.6	0	
20	84QAM	50	50	16.24	16.26	16.19			
20	84QAM	100	0	16.26	16.26	16.25			
20	256QAM	1	0	16.31	16.36	16.30			
20	256QAM	1	49	16.30	16.17	16.17	17.6	0	
20	256QAM	1	99	16.28	16.22	16.22			
20	256QAM	50	0	16.22	16.30	16.30			
20	256QAM	50	24	16.20	16.13	16.13	17.6	0	
20	256QAM	50	50	16.17	16.19	16.16			
20	256QAM	100	0	16.13	16.23	16.15			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.17	17.45	17.72	17.6	0	
15	QPSK	1	37	16.37	16.26	16.26			
15	QPSK	1	74	16.31	16.32	16.26			
15	QPSK	36	0	16.31	16.35	16.33			
15	QPSK	36	20	16.26	16.17	16.21	17.6	0	
15	QPSK	36	36	16.28	16.28	16.22			
15	QPSK	75	0	16.20	16.25	16.23			
15	HQAM	1	0	16.33	16.36	16.31			
15	HQAM	1	37	16.32	16.23	16.12	17.6	0	
15	HQAM	1	74	16.24	16.24	16.25			
15	HQAM	36	0	16.26	16.32	16.31			
15	HQAM	36	20	16.24	16.15	16.11	17.6	0	
15	HQAM	36	39	16.18	16.14	16.12			
15	HQAM	75	0	16.19	16.24	16.20			
15	84QAM	1	0	16.38	16.34	16.20			
15	84QAM	1	37	16.27	16.19	16.23	17.6	0	
15	84QAM	1	74	16.20	16.25	16.20			
15	84QAM	36	0	16.25	16.26	16.31			
15	84QAM	36	20	16.22	16.14	16.10	17.6	0	
15	84QAM	36	39	16.22	16.26	16.10			
15	84QAM	75	0	16.21	16.23	16.16			
15	256QAM	1	0	16.27	16.32	16.27			
15	256QAM	1	37	16.22	16.13	16.07	17.6	0	
15	256QAM	1	74	16.23	16.14	16.14			
15	256QAM	36	0	16.23	16.26	16.26			
15	256QAM	36	20	16.12	16.05	16.01	17.6	0	
15	256QAM	36	39	16.12	16.16	16.06			
15	256QAM	75	0	16.12	16.16	16.09			
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.30	16.41	16.30			
10	QPSK	1	25	16.32	16.27	16.21	17.6	0	
10	QPSK	1	49	16.31	16.28	16.20			
10	QPSK	25	0	16.30	16.34	16.32			
10	QPSK	25	12	16.24	16.15	16.16	17.6	0	
10	QPSK	25	25	16.21	16.26	16.14			
10	QPSK	50	0	16.20	16.21	16.22			
10	HQAM	1	0	16.28	16.37	16.36			
10	HQAM	1	25	16.26	16.17	16.10	17.6	0	
10	HQAM	1	49	16.24	16.22	16.19			
10	HQAM	25	0	16.15	16.29	16.16			
10	HQAM	25	12	16.19	16.11	16.09	17.6	0	
10	HQAM	25	25	16.16	16.15	16.09			
10	HQAM	50	0	16.15	16.16	16.16			
10	84QAM	1	0	16.32	16.34	16.30			
10	84QAM	1	25	16.23	16.22	16.16	17.6	0	
10	84QAM	1	49	16.20	16.23	16.16			
10	84QAM	25	0	16.22	16.28	16.28			
10	84QAM	25	12	16.15	16.13	16.09	17.6	0	
10	84QAM	25	25	16.15	16.22	16.08			
10	84QAM	50	0	16.15	16.18	16.16			
10	84QAM	50	0	16.23	16.36	16.31			
10	256QAM	1	0	16.22	16.08	16.07	17.6	0	
10	256QAM	1	25	16.25	16.16	16.10			
10	256QAM	25	12	16.11	16.03	16.00	17.6	0	
10	256QAM	25	25	16.09	16.11	16.05			
10	256QAM	50	0	16.11	16.14	16.06			
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.35	16.41	16.36			
5	QPSK	1	12	16.32	16.27	16.20	17.6	0	
5	QPSK	1	24	16.25	16.26	16.20			
5	QPSK	12	0	16.31	16.34	16.31			
5	QPSK	12	7	16.20	16.13	16.10	17.6	0	
5	QPSK	12	13	16.23	16.28	16.10			
5	QPSK	25	0	16.26	16.32	16.30			
5	HQAM	1	0	16.26	16.35	16.25			
5	HQAM	1	12	16.27	16.19	16.13	17.6	0	
5	HQAM	1	24	16.21	16.21	16.16			
5	HQAM	12	0	16.20	16.29	16.26			
5	HQAM	12	7	16.16	16.06	16.07	17.6	0	
5	HQAM	12	13	16.13	16.15	16.10			
5	HQAM	25	0	16.15	16.22	16.16			
5	84QAM	1	0	16.30	16.30	16.26			
5	84QAM	12	12	16.23	16.18	16.10	17.6	0	
5	84QAM	1	24	16.24	16.19	16.14			
5	84QAM	12	0	16.22	16.27	16.27			
5	84QAM	12	7	16.18	16.10	16.13	17.6	0	
5	84QAM	12	13	16.18	16.18	16.13			
5	84QAM	25	0	16.17	16.17	16.14			
5	84QAM	25	0	16.22	16.27	16.26			
5	256QAM	1	12	16.24	16.06	16.11	17.6	0	
5	256QAM	1	24	16.16	16.12	16.10			
5	256QAM	12	0	16.10	16.21	16.16			
5	256QAM	12	7	16.14	16.01	16.07	17.6	0	
5	256QAM	12	13	16.07	16.09	16.10			
5	256QAM	25	0	16.09	16.14	16.06			
Channel									
Frequency (MHz)									
3	QPSK	1	0	16.35	16.43	16.30			
3	QPSK	1	8	16.34	16.30	16.22	17.6	0	
3	QPSK	1	14	16.32	16.31	16.20			
3	QPSK	8	0	16.28	16.34	16.33			
3	QPSK	8	4	16.27	16.17	16.10	17.6	0	
3	QPSK	8	7	16.26	16.28	16.15			
3	QPSK	16	0	16.18	16.18	16.17			
3	HQAM	1	0	16.31	16.40	16.33			
3	HQAM	1	8	16.23	16.20	16.15	17.6	0	
3	HQAM	1	14	16.27	16.23	16.20			
3	HQAM	8	0	16.23	16.30	16.25			
3	HQAM	8	4	16.16	16.06	16.06	17.6	0	
3	HQAM	8	7	16.15	16.20	16.17			
3	HQAM	16	0	16.11	16.14	16.11			
3	84QAM	1	0	16.28	16.31	16.25	17.6	0	
3	84QAM	1	8	16.20	16.21	16.16			
3	84QAM	1	14	16.20	16.25	16.16			
3	84QAM	8	0	16.24	16.26	16.27			
3	84QAM	8	4	16.12	16.13	16.09	17.6	0	
3	84QAM	8	7	16.17	16.15	16.14			
3	84QAM	16	0	16.17	16.14	16.20			
3	84QAM	16	0	16.18	16.23	16.20			
3	256QAM	1	8	16.25	16.05	16.11	17.6	0	
3	256QAM	1	14	16.19	16.10	16.16			
3	256QAM	8	0	16.09	16.19	16.09			
3	256QAM	8	4	16.12	16.01	16.06	17.6	0	
3	256QAM	16	7	16.13	16.07	16.07			
3	256QAM	16	0	16.08	16.12	16.06			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	16.33	16.38	16.30			
1.4	QPSK	1	3	16.28	16.30	16.20	17.6	0	
1.4	QPSK	1	5	16.26	16.28	16.23			
1.4	QPSK	3	0	16.30	16.31	16.16			
1.4	QPSK	3	1	16.27	16.16	16.10	17.6	0	
1.4	QPSK	3	3	16.25	16.18	16.12			
1.4	QPSK	3	5	16.24	16.25	16.12			
1.4	QPSK	6	0	16.24	16.26	16.16			
1.4	QPSK	6	1	16.23	16.16	16.10	17.6	0	
1.4	QPSK	6	3	16.20	16.20	16.17			
1.4	HQAM	1	0	16.35	16.40	16.35			
1.4	HQAM	1	3	16.29	16.30	16.14	17.6	0	
1.4	HQAM	1	5	16.25	16.26	16.20			
1.4	HQAM	3	0	16.31	16.35	16.26			
1.4	HQAM	3	1	16.24	16.19	16.14	17.6	0	
1.4	HQAM	3	3	16.23	16.24	16.21			
1.4	HQAM	6	0	16.17	16.27	16.26			
1.4	HQAM	6	1	16.20	16.16	16.14	17.6	0	
1.4	HQAM	6	3	16.15	16.17	16.08			
1.4	HQAM	6	5	16.14	16.21	1			

Band 38 Ant1 PC2&PC3 DSI 3 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.27	19.34	19.12	19.9	0	
20	QPSK	1	49	19.11	19.21	19.08			
20	QPSK	1	99	19.07	19.23	19.06			
20	QPSK	50	0	19.14	19.22	19.07	19.9	0	
20	QPSK	50	24	19.15	19.18	19.12			
20	QPSK	50	50	19.11	19.20	19.12			
20	QPSK	100	0	19.13	19.17	19.10	19.9	0	
20	16QAM	1	0	19.16	19.17	19.15			
20	16QAM	1	49	19.06	19.25	19.16			
20	16QAM	1	99	19.18	19.19	19.15	19.9	0	
20	16QAM	50	0	19.21	19.18	19.17			
20	16QAM	50	24	19.06	19.17	19.14			
20	16QAM	50	50	19.08	19.18	19.15	19.9	0	
20	16QAM	100	0	19.16	19.15	19.12			
20	64QAM	1	0	19.12	19.23	19.10			
20	64QAM	1	49	19.16	19.15	19.15	19.9	0	
20	64QAM	1	99	19.19	19.24	19.15			
20	64QAM	50	0	19.09	19.15	19.08			
20	64QAM	50	24	19.20	19.15	19.10	19.9	0	
20	64QAM	50	50	19.07	19.16	19.08			
20	64QAM	100	0	19.11	19.13	19.10			
20	256QAM	1	0	17.52	17.53	17.57	18.4	1.5	
20	256QAM	1	49	17.62	17.62	17.66			
20	256QAM	1	99	17.77	17.65	17.62			
20	256QAM	50	0	17.81	17.73	17.71	18.4	1.5	
20	256QAM	50	24	17.86	17.72	17.84			
20	256QAM	50	50	17.66	17.69	17.80			
20	256QAM	100	0	17.76	17.78	17.85	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.17	19.22	18.97			
15	QPSK	1	37	19.00	19.11	18.99	19.9	0	
15	QPSK	1	74	18.98	19.08	18.92			
15	QPSK	36	0	19.09	19.12	18.95			
15	QPSK	36	20	19.02	19.08	19.06	19.9	0	
15	QPSK	36	39	18.95	19.15	18.98			
15	QPSK	75	0	19.09	19.07	19.05			
15	16QAM	1	0	19.10	19.09	19.02	19.9	0	
15	16QAM	1	37	18.91	19.13	19.06			
15	16QAM	1	74	19.08	19.08	19.00			
15	16QAM	36	0	19.17	19.14	19.04	19.9	0	
15	16QAM	36	20	18.92	19.04	18.99			
15	16QAM	36	39	18.96	19.13	19.11			
15	16QAM	75	0	19.09	19.06	19.05	19.9	0	
15	64QAM	1	0	19.07	19.10	19.06			
15	64QAM	1	37	19.06	19.01	19.07			
15	64QAM	1	74	19.04	19.13	19.07	19.9	0	
15	64QAM	36	0	18.97	19.10	19.01			
15	64QAM	36	20	19.11	19.09	18.96			
15	64QAM	36	39	19.02	19.02	19.00	18.4	1.5	
15	64QAM	75	0	19.05	18.98	18.97			
15	256QAM	1	0	17.42	17.45	17.43			
15	256QAM	1	37	17.49	17.57	17.62	18.4	1.5	
15	256QAM	1	74	17.68	17.60	17.49			
15	256QAM	36	0	17.67	17.67	17.59			
15	256QAM	36	20	17.73	17.59	17.76	18.4	1.5	
15	256QAM	36	39	17.59	17.62	17.74			
15	256QAM	75	0	17.64	17.67	17.80			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.19	19.19	19.02	19.9	0	
10	QPSK	1	25	18.99	19.11	19.04			
10	QPSK	1	49	18.96	19.15	18.94			
10	QPSK	25	0	19.08	19.16	19.00	19.9	0	
10	QPSK	25	12	19.01	19.04	18.96			
10	QPSK	25	25	18.98	19.09	19.05			
10	QPSK	50	0	19.00	19.07	18.97	19.9	0	
10	16QAM	1	0	19.06	19.02	19.03			
10	16QAM	1	25	19.02	19.15	19.03			
10	16QAM	1	49	19.06	19.15	19.02	19.9	0	
10	16QAM	25	0	19.17	19.04	19.04			
10	16QAM	25	12	19.01	19.06	19.09			
10	16QAM	25	25	18.96	19.04	19.08	19.9	0	
10	16QAM	50	0	19.05	19.08	19.01			
10	64QAM	1	0	19.01	19.12	18.99			
10	64QAM	1	25	19.04	19.08	19.06	19.9	0	
10	64QAM	1	49	19.05	19.12	19.01			
10	64QAM	25	0	18.94	19.06	18.98			
10	64QAM	25	12	19.06	19.11	18.99	19.9	0	
10	64QAM	25	25	18.93	19.09	19.02			
10	64QAM	50	0	19.04	19.03	18.97			
10	256QAM	1	0	17.38	17.38	17.51	18.4	1.5	
10	256QAM	1	25	17.48	17.53	17.62			
10	256QAM	1	49	17.63	17.51	17.52			
10	256QAM	25	0	17.67	17.60	17.60	18.4	1.5	
10	256QAM	25	12	17.80	17.63	17.79			
10	256QAM	25	25	17.63	17.63	17.76			
10	256QAM	50	0	17.69	17.63	17.72	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.12	19.25	19.04			
5	QPSK	1	12	19.04	19.17	19.04	19.9	0	
5	QPSK	1	24	18.99	19.11	18.93			
5	QPSK	12	0	18.98	19.17	18.94			
5	QPSK	12	7	19.06	19.13	19.05	19.9	0	
5	QPSK	12	13	18.99	19.11	19.07			
5	QPSK	25	0	19.01	19.05	18.97			
5	16QAM	1	0	19.07	19.06	19.10	19.9	0	
5	16QAM	1	12	18.93	19.17	19.10			
5	16QAM	1	24	19.08	19.07	19.00			
5	16QAM	12	0	19.12	19.06	19.13	19.9	0	
5	16QAM	12	7	18.99	19.10	19.05			
5	16QAM	12	13	18.94	19.11	19.09			
5	16QAM	25	0	19.04	19.00	18.98	19.9	0	
5	64QAM	1	0	19.06	19.14	19.04			
5	64QAM	1	12	19.03	19.02	19.10			
5	64QAM	1	24	19.11	19.19	19.03	19.9	0	
5	64QAM	12	0	18.93	19.02	19.01			
5	64QAM	12	7	19.13	19.05	19.00			
5	64QAM	12	13	19.00	19.01	19.00	18.4	1.5	
5	64QAM	25	0	19.00	19.04	18.96			
5	256QAM	1	0	17.49	17.41	17.48			
5	256QAM	1	12	17.55	17.58	17.57	18.4	1.5	
5	256QAM	1	24	17.62	17.54	17.53			
5	256QAM	12	0	17.70	17.63	17.67			
5	256QAM	12	7	17.74	17.59	17.77	18.4	1.5	
5	256QAM	12	13	17.55	17.57	17.76			
5	256QAM	25	0	17.63	17.72	17.76			

Band 38 Ant1 PC2&PC3 DSI 3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.70	15.76	15.47	16.7	0	
20	QPSK	1	49	15.50	15.60	15.48			
20	QPSK	1	99	15.49	15.68	15.49			
20	QPSK	50	0	15.49	15.66	15.46	16.7	0	
20	QPSK	50	24	15.58	15.61	15.52			
20	QPSK	50	50	15.46	15.59	15.58			
20	QPSK	100	0	15.54	15.55	15.48	16.7	0	
20	16QAM	1	0	15.59	15.63	15.57			
20	16QAM	1	49	15.45	15.66	15.59			
20	16QAM	1	99	15.59	15.65	15.52	16.7	0	
20	16QAM	50	0	15.59	15.64	15.53			
20	16QAM	50	24	15.45	15.60	15.58			
20	16QAM	50	50	15.48	15.63	15.55	16.7	0	
20	16QAM	100	0	15.56	15.55	15.49			
20	64QAM	1	0	15.54	15.62	15.55			
20	64QAM	1	49	15.62	15.57	15.56	16.7	0	
20	64QAM	1	99	15.61	15.61	15.61			
20	64QAM	50	0	15.47	15.60	15.50			
20	64QAM	50	24	15.64	15.57	15.54	16.7	0	
20	64QAM	50	50	15.48	15.57	15.51			
20	64QAM	100	0	15.49	15.51	15.53			
20	256QAM	1	0	15.56	15.48	15.47	16.7	0	
20	256QAM	1	49	15.49	15.45	15.40			
20	256QAM	1	99	15.57	15.57	15.50			
20	256QAM	50	0	15.40	15.49	15.38	16.7	0	
20	256QAM	50	24	15.49	15.42	15.49			
20	256QAM	50	50	15.41	15.53	15.40			
20	256QAM	100	0	15.39	15.45	15.38	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	15.58	15.70	15.34	16.7	0	
15	QPSK	1	37	15.40	15.47	15.33			
15	QPSK	1	74	15.34	15.59	15.41			
15	QPSK	36	0	15.33	15.54	15.36	16.7	0	
15	QPSK	36	20	15.53	15.51	15.43			
15	QPSK	36	39	15.41	15.51	15.44			
15	QPSK	75	0	15.49	15.40	15.39	16.7	0	
15	16QAM	1	0	15.52	15.48	15.51			
15	16QAM	1	37	15.40	15.59	15.51			
15	16QAM	1	74	15.44	15.51	15.39	16.7	0	
15	16QAM	36	0	15.52	15.51	15.40			
15	16QAM	36	20	15.35	15.46	15.42			
15	16QAM	36	39	15.33	15.56	15.45	16.7	0	
15	16QAM	75	0	15.46	15.43	15.36			
15	64QAM	1	0	15.48	15.57	15.46			
15	64QAM	1	37	15.48	15.53	15.40	16.7	0	
15	64QAM	1	74	15.55	15.55	15.47			
15	64QAM	36	0	15.38	15.50	15.45			
15	64QAM	36	20	15.59	15.47	15.41	16.7	0	
15	64QAM	36	39	15.41	15.49	15.45			
15	64QAM	75	0	15.43	15.41	15.45			
15	256QAM	1	0	15.45	15.44	15.39	16.7	0	
15	256QAM	1	37	15.34	15.32	15.33			
15	256QAM	1	74	15.46	15.52	15.45			
15	256QAM	36	0	15.34	15.41	15.31	16.7	0	
15	256QAM	36	20	15.36	15.37	15.44			
15	256QAM	36	39	15.27	15.47	15.25			
15	256QAM	75	0	15.31	15.39	15.26	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	15.61	15.65	15.39	16.7	0	
10	QPSK	1	25	15.37	15.56	15.41			
10	QPSK	1	49	15.35	15.62	15.42			
10	QPSK	25	0	15.36	15.60	15.36	16.7	0	
10	QPSK	25	12	15.51	15.49	15.45			
10	QPSK	25	25	15.34	15.45	15.45			
10	QPSK	50	0	15.39	15.50	15.43	16.7	0	
10	16QAM	1	0	15.44	15.58	15.49			
10	16QAM	1	25	15.35	15.58	15.48			
10	16QAM	1	49	15.49	15.51	15.46	16.7	0	
10	16QAM	25	0	15.51	15.53	15.41			
10	16QAM	25	12	15.30	15.50	15.51			
10	16QAM	25	25	15.44	15.52	15.45	16.7	0	
10	16QAM	50	0	15.42	15.41	15.37			
10	64QAM	1	0	15.47	15.53	15.44			
10	64QAM	1	25	15.49	15.42	15.50	16.7	0	
10	64QAM	1	49	15.50	15.53	15.47			
10	64QAM	25	0	15.39	15.53	15.41			
10	64QAM	25	12	15.52	15.46	15.49	16.7	0	
10	64QAM	25	25	15.43	15.48	15.45			
10	64QAM	50	0	15.44	15.43	15.42			
10	256QAM	1	0	15.43	15.41	15.39	16.7	0	
10	256QAM	1	25	15.36	15.30	15.32			
10	256QAM	1	49	15.44	15.42	15.45			
10	256QAM	25	0	15.36	15.43	15.30	16.7	0	
10	256QAM	25	12	15.35	15.35	15.40			
10	256QAM	25	25	15.36	15.48	15.30			
10	256QAM	50	0	15.32	15.37	15.28	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	15.60	15.60	15.34	16.7	0	
5	QPSK	1	12	15.36	15.48	15.33			
5	QPSK	1	24	15.39	15.54	15.39			
5	QPSK	12	0	15.36	15.61	15.38	16.7	0	
5	QPSK	12	7	15.52	15.52	15.47			
5	QPSK	12	13	15.37	15.54	15.46			
5	QPSK	25	0	15.42	15.48	15.41	16.7	0	
5	16QAM	1	0	15.51	15.53	15.51			
5	16QAM	1	12	15.39	15.56	15.46			
5	16QAM	1	24	15.48	15.50	15.42	16.7	0	
5	16QAM	12	0	15.52	15.57	15.40			
5	16QAM	12	7	15.35	15.48	15.51			
5	16QAM	12	13	15.40	15.57	15.46	16.7	0	
5	16QAM	25	0	15.48	15.39	15.44			
5	64QAM	1	0	15.44	15.57	15.51			
5	64QAM	1	12	15.54	15.52	15.42	16.7	0	
5	64QAM	1	24	15.53	15.54	15.56			
5	64QAM	12	0	15.33	15.55	15.45			
5	64QAM	12	7	15.51	15.43	15.44	16.7	0	
5	64QAM	12	13	15.40	15.49	15.45			
5	64QAM	25	0	15.35	15.41	15.38			
5	256QAM	1	0	15.51	15.33	15.41	16.7	0	
5	256QAM	1	12	15.40	15.41	15.30			
5	256QAM	1	24	15.43	15.51	15.41			
5	256QAM	12	0	15.32	15.38	15.31	16.7	0	
5	256QAM	12	7	15.42	15.29	15.38			
5	256QAM	12	13	15.34	15.48	15.35			
5	256QAM	25	0	15.23	15.38	15.30			

Band 42 Ant4 DSI 3 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	17.59	17.69	17.67	18.8	0	
20	QPSK	1	49	17.48	17.64	17.52			
20	QPSK	1	99	17.49	17.57	17.52			
20	QPSK	50	0	17.48	17.63	17.54	18.8	0	
20	QPSK	50	24	17.44	17.53	17.50			
20	QPSK	50	50	17.50	17.55	17.59			
20	QPSK	100	0	17.51	17.60	17.55	18.8	0	
20	16QAM	1	0	17.46	17.55	17.59			
20	16QAM	1	49	17.35	17.48	17.46			
20	16QAM	1	99	17.35	17.41	17.38	18.8	0	
20	16QAM	50	0	17.42	17.54	17.47			
20	16QAM	50	24	17.31	17.48	17.37			
20	16QAM	50	50	17.43	17.50	17.54	18.8	0	
20	16QAM	100	0	17.39	17.53	17.40			
20	64QAM	1	0	17.51	17.57	17.52			
20	64QAM	1	49	17.44	17.52	17.41	18.8	0	
20	64QAM	1	99	17.42	17.42	17.42			
20	64QAM	50	0	17.44	17.51	17.50			
20	64QAM	50	24	17.37	17.47	17.35	18.8	0	
20	64QAM	50	50	17.55	17.64	17.58			
20	64QAM	100	0	17.38	17.58	17.40			
20	256QAM	1	0	17.43	17.42	17.44	18.8	0	
20	256QAM	1	49	17.41	17.52	17.42			
20	256QAM	1	99	17.32	17.46	17.38			
20	256QAM	50	0	17.44	17.44	17.51	18.8	0	
20	256QAM	50	24	17.41	17.53	17.43			
20	256QAM	50	50	17.33	17.38	17.37			
20	256QAM	100	0	17.35	17.44	17.45	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	17.43	17.61	17.56	18.8	0	
15	QPSK	1	37	17.36	17.50	17.46			
15	QPSK	1	74	17.43	17.50	17.38			
15	QPSK	36	0	17.37	17.47	17.44	18.8	0	
15	QPSK	36	20	17.39	17.47	17.42			
15	QPSK	36	39	17.36	17.47	17.48			
15	QPSK	75	0	17.46	17.51	17.51	18.8	0	
15	16QAM	1	0	17.33	17.47	17.47			
15	16QAM	1	37	17.22	17.37	17.37			
15	16QAM	1	74	17.28	17.26	17.25	18.8	0	
15	16QAM	36	0	17.37	17.42	17.34			
15	16QAM	36	20	17.24	17.37	17.29			
15	16QAM	36	39	17.31	17.39	17.38	18.8	0	
15	16QAM	75	0	17.35	17.43	17.25			
15	64QAM	1	0	17.42	17.52	17.43			
15	64QAM	1	37	17.37	17.37	17.32	18.8	0	
15	64QAM	1	74	17.31	17.38	17.34			
15	64QAM	36	0	17.34	17.44	17.44			
15	64QAM	36	20	17.26	17.35	17.29	18.8	0	
15	64QAM	36	39	17.40	17.59	17.44			
15	64QAM	75	0	17.22	17.49	17.28			
15	256QAM	1	0	17.34	17.36	17.38	18.8	0	
15	256QAM	1	37	17.28	17.42	17.29			
15	256QAM	1	74	17.22	17.35	17.32			
15	256QAM	36	0	17.31	17.30	17.36	18.8	0	
15	256QAM	36	20	17.30	17.45	17.27			
15	256QAM	36	39	17.18	17.32	17.22			
15	256QAM	75	0	17.28	17.28	17.39	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	17.49	17.58	17.59	18.8	0	
10	QPSK	1	25	17.34	17.52	17.42			
10	QPSK	1	49	17.42	17.47	17.41			
10	QPSK	25	0	17.36	17.52	17.45	18.8	0	
10	QPSK	25	12	17.33	17.44	17.38			
10	QPSK	25	25	17.43	17.47	17.53			
10	QPSK	50	0	17.44	17.56	17.44	18.8	0	
10	16QAM	1	0	17.34	17.48	17.55			
10	16QAM	1	25	17.25	17.38	17.38			
10	16QAM	1	49	17.21	17.27	17.32	18.8	0	
10	16QAM	25	0	17.37	17.45	17.38			
10	16QAM	25	12	17.24	17.43	17.29			
10	16QAM	25	25	17.30	17.43	17.39	18.8	0	
10	16QAM	50	0	17.31	17.47	17.34			
10	64QAM	1	0	17.42	17.42	17.41			
10	64QAM	1	25	17.39	17.42	17.30	18.8	0	
10	64QAM	1	49	17.36	17.29	17.35			
10	64QAM	25	0	17.28	17.46	17.43			
10	64QAM	25	12	17.32	17.35	17.29	18.8	0	
10	64QAM	25	25	17.49	17.49	17.53			
10	64QAM	50	0	17.34	17.48	17.25			
10	256QAM	1	0	17.34	17.28	17.39	18.8	0	
10	256QAM	1	25	17.35	17.46	17.28			
10	256QAM	1	49	17.17	17.32	17.33			
10	256QAM	25	0	17.31	17.33	17.46	18.8	0	
10	256QAM	25	12	17.27	17.46	17.28			
10	256QAM	25	25	17.26	17.24	17.32			
10	256QAM	50	0	17.30	17.37	17.37	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	17.53	17.53	17.61	18.8	0	
5	QPSK	1	12	17.36	17.50	17.46			
5	QPSK	1	24	17.33	17.46	17.44			
5	QPSK	12	0	17.35	17.50	17.45	18.8	0	
5	QPSK	12	7	17.28	17.44	17.38			
5	QPSK	12	13	17.44	17.43	17.48			
5	QPSK	25	0	17.42	17.46	17.50	18.8	0	
5	16QAM	1	0	17.33	17.44	17.49			
5	16QAM	1	12	17.21	17.38	17.41			
5	16QAM	1	24	17.19	17.27	17.31	18.8	0	
5	16QAM	12	0	17.32	17.49	17.31			
5	16QAM	12	7	17.18	17.42	17.27			
5	16QAM	12	13	17.36	17.45	17.44	18.8	0	
5	16QAM	25	0	17.26	17.39	17.34			
5	64QAM	1	0	17.35	17.52	17.43			
5	64QAM	1	12	17.31	17.45	17.28	18.8	0	
5	64QAM	1	24	17.27	17.30	17.32			
5	64QAM	12	0	17.39	17.39	17.37			
5	64QAM	12	7	17.28	17.41	17.22	18.8	0	
5	64QAM	12	13	17.50	17.57	17.48			
5	64QAM	25	0	17.31	17.45	17.36			
5	256QAM	1	0	17.37	17.36	17.38	18.8	0	
5	256QAM	1	12	17.31	17.36	17.37			
5	256QAM	1	24	17.21	17.40	17.25			
5	256QAM	12	0	17.35	17.38	17.36	18.8	0	
5	256QAM	12	7	17.27	17.40	17.30			
5	256QAM	12	13	17.25	17.23	17.31			
5	256QAM	25	0	17.29	17.28	17.35	Tune-up limit (dBm)	MPR (dB)	

Band 42 Ant4 DSI 3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	16.33	16.40	16.38	17.5	0	
20	QPSK	1	49	16.24	16.35	16.32			
20	QPSK	1	99	16.27	16.37	16.26			
20	QPSK	50	0	16.21	16.37	16.26	17.5	0	
20	QPSK	50	24	16.24	16.31	16.28			
20	QPSK	50	50	16.22	16.33	16.30			
20	QPSK	100	0	16.30	16.36	16.29	17.5	0	
20	16QAM	1	0	16.19	16.33	16.32			
20	16QAM	1	49	16.06	16.18	16.27			
20	16QAM	1	99	16.06	16.17	16.14	17.5	0	
20	16QAM	50	0	16.23	16.34	16.18			
20	16QAM	50	24	16.11	16.24	16.09			
20	16QAM	50	50	16.12	16.25	16.24	17.5	0	
20	16QAM	100	0	16.16	16.22	16.12			
20	64QAM	1	0	16.26	16.30	16.23			
20	64QAM	1	49	16.24	16.24	16.12	17.5	0	
20	64QAM	1	99	16.17	16.15	16.16			
20	64QAM	50	0	16.25	16.23	16.25			
20	64QAM	50	24	16.15	16.17	16.09	17.5	0	
20	64QAM	50	50	16.25	16.34	16.33			
20	64QAM	100	0	16.10	16.35	16.15			
20	256QAM	1	0	16.21	16.21	16.23	17.5	0	
20	256QAM	1	49	16.11	16.28	16.13			
20	256QAM	1	99	16.10	16.23	16.14			
20	256QAM	50	0	16.21	16.21	16.20	17.5	0	
20	256QAM	50	24	16.10	16.31	16.17			
20	256QAM	50	50	16.05	16.19	16.12			
20	256QAM	100	0	16.11	16.18	16.20			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	16.25	16.33	16.30	17.5	0	
15	QPSK	1	37	16.17	16.22	16.24			
15	QPSK	1	74	16.18	16.26	16.13			
15	QPSK	36	0	16.14	16.31	16.19	17.5	0	
15	QPSK	36	20	16.16	16.18	16.18			
15	QPSK	36	39	16.15	16.17	16.30			
15	QPSK	75	0	16.17	16.22	16.15	17.5	0	
15	16QAM	1	0	16.09	16.24	16.27			
15	16QAM	1	37	16.00	16.10	16.23			
15	16QAM	1	74	15.91	16.09	16.03	17.5	0	
15	16QAM	36	0	16.16	16.22	16.11			
15	16QAM	36	20	15.97	16.13	16.05			
15	16QAM	36	39	16.01	16.21	16.20	17.5	0	
15	16QAM	75	0	16.10	16.14	16.05			
15	64QAM	1	0	16.19	16.20	16.19			
15	64QAM	1	37	16.09	16.12	15.99	17.5	0	
15	64QAM	1	74	16.10	16.09	16.09			
15	64QAM	36	0	16.18	16.08	16.20			
15	64QAM	36	20	16.11	16.03	15.99	17.5	0	
15	64QAM	36	39	16.20	16.27	16.18			
15	64QAM	75	0	16.05	16.25	16.01			
15	256QAM	1	0	16.15	16.10	16.13	17.5	0	
15	256QAM	1	37	16.04	16.17	15.98			
15	256QAM	1	74	16.01	16.12	16.01			
15	256QAM	36	0	16.16	16.12	16.13	17.5	0	
15	256QAM	36	20	16.01	16.19	16.12			
15	256QAM	36	39	15.98	16.10	15.99			
15	256QAM	75	0	15.96	16.07	16.09			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	16.26	16.32	16.31	17.5	0	
10	QPSK	1	25	16.14	16.28	16.25			
10	QPSK	1	49	16.16	16.22	16.19			
10	QPSK	25	0	16.08	16.25	16.17	17.5	0	
10	QPSK	25	12	16.15	16.26	16.17			
10	QPSK	25	25	16.13	16.20	16.29			
10	QPSK	50	0	16.21	16.26	16.25	17.5	0	
10	16QAM	1	0	16.08	16.18	16.24			
10	16QAM	1	25	15.99	16.10	16.15			
10	16QAM	1	49	16.02	16.02	16.02	17.5	0	
10	16QAM	25	0	16.09	16.24	16.03			
10	16QAM	25	12	15.98	16.16	15.96			
10	16QAM	25	25	16.02	16.15	16.10	17.5	0	
10	16QAM	50	0	16.06	16.11	16.04			
10	64QAM	1	0	16.12	16.17	16.13			
10	64QAM	1	25	16.11	16.19	16.01	17.5	0	
10	64QAM	1	49	16.04	16.06	16.01			
10	64QAM	25	0	16.20	16.18	16.14			
10	64QAM	25	12	16.08	16.10	16.00	17.5	0	
10	64QAM	25	25	16.09	16.33	16.21			
10	64QAM	50	0	16.05	16.26	16.04			
10	256QAM	1	0	16.15	16.06	16.14	17.5	0	
10	256QAM	1	25	16.02	16.24	16.07			
10	256QAM	1	49	15.95	16.13	16.07			
10	256QAM	25	0	16.10	16.06	16.05	17.5	0	
10	256QAM	25	12	16.05	16.19	16.07			
10	256QAM	25	25	15.96	16.13	16.06			
10	256QAM	50	0	15.96	16.06	16.14			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	16.28	16.34	16.31	17.5	0	
5	QPSK	1	12	16.17	16.21	16.24			
5	QPSK	1	24	16.14	16.32	16.16			
5	QPSK	12	0	16.07	16.29	16.19	17.5	0	
5	QPSK	12	7	16.12	16.15	16.19			
5	QPSK	12	13	16.17	16.29	16.34			
5	QPSK	25	0	16.24	16.21	16.15	17.5	0	
5	16QAM	1	0	16.12	16.19	16.20			
5	16QAM	1	12	15.98	16.10	16.22			
5	16QAM	1	24	15.91	16.03	16.07	17.5	0	
5	16QAM	12	0	16.18	16.23	16.09			
5	16QAM	12	7	16.02	16.16	16.00			
5	16QAM	12	13	16.01	16.20	16.10	17.5	0	
5	16QAM	25	0	16.12	16.18	15.98			
5	64QAM	1	0	16.13	16.19	16.17			
5	64QAM	1	12	16.16	16.12	16.02	17.5	0	
5	64QAM	1	24	16.06	15.99	16.11			
5	64QAM	12	0	16.17	16.14	16.10			
5	64QAM	12	7	16.07	16.07	15.98	17.5	0	
5	64QAM	12	13	16.10	16.31	16.26			
5	64QAM	25	0	16.01	16.30	16.02			
5	256QAM	1	0	16.15	16.11	16.14	17.5	0	
5	256QAM	1	12	15.99	16.15	16.01			
5	256QAM	1	24	15.95	16.07	15.99			
5	256QAM	12	0	16.12	16.05	16.10	17.5	0	
5	256QAM	12	7	15.96	16.25	16.13			
5	256QAM	12	13	15.98	16.04	16.08			
5	256QAM	25	0	15.98	16.05	16.09			

AntD DSI 6 Standalone								
GS850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.20	32.07	32.05	33.50	23.20	23.07	23.05	24.50
GPRS 1 Tx slot	32.19	32.05	32.02	33.50	23.19	23.05	23.02	24.50
GPRS 2 Tx slots	31.11	30.84	30.71	32.00	25.11	24.84	24.71	26.00
GPRS 3 Tx slots	29.71	29.46	29.42	30.90	25.45	25.20	25.16	26.64
GPRS 4 Tx slots	28.01	27.71	27.65	29.50	25.01	24.71	24.65	26.50
EDGE 1 Tx slot	25.91	25.96	26.01	27.00	16.91	16.96	17.01	18.00
EDGE 2 Tx slots	24.89	25.10	24.86	26.50	18.89	19.10	18.86	20.50
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50

GSM850		AntD DSI 6 Simultaneous						
Tx Channel	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
Frequency (MHz)	128	189	251		128	189	251	
	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	31.85	31.94	31.77	33.50	22.85	22.94	22.77	24.50
GPRS 1 Tx slot	32.05	32.12	31.94	33.50	23.05	23.12	22.94	24.50
GPRS 2 Tx slots	29.74	29.86	29.84	31.60	23.74	23.86	23.84	25.60
GPRS 3 Tx slots	28.35	28.17	28.13	29.90	24.09	23.91	23.87	25.64
GPRS 4 Tx slots	26.67	26.75	26.70	28.60	23.67	23.75	23.70	25.60
EDGE 1 Tx slot	25.91	25.96	26.01	27.00	16.91	16.96	17.01	18.00
EDGE 2 Tx slots	24.89	25.10	24.86	26.50	18.89	19.10	18.86	20.50
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50

		AntD DSI 6 Standalone						
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Tx Channel	1502.0	1580.0	1600.8	(dBm)	1502.0	1580.0	1600.8	(dBm)
Frequency (MHz)								
GSM 1 Tx slot	28.89	28.91	28.91	30.10	19.89	19.91	19.91	21.10
GPRS 1 Tx slot	28.78	28.81	28.75	30.10	19.78	19.81	19.75	21.10
GPRS 2 Tx slots	25.97	25.86	25.90	27.10	19.97	19.86	19.90	21.10
GPRS 3 Tx slots	24.46	24.40	24.37	25.40	20.20	20.14	20.11	21.14
GPRS 4 Tx slots	23.13	23.04	23.04	24.10	20.13	20.04	20.04	21.10
EDGE 1 Tx slot	25.41	25.67	25.50	26.50	16.41	16.67	16.50	17.50
EDGE 2 Tx slots	24.56	24.18	24.15	25.50	16.56	16.18	16.15	19.50
EDGE 3 Tx slots	22.52	23.00	22.59	24.50	16.26	16.74	16.33	20.24
EDGE 4 Tx slots	21.27	21.33	21.14	22.50	16.27	16.33	16.14	19.50

AntD DSI 6 Simultaneous								
Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
GSM1900	1502.0	1560	1569.8	(dBm)	1502.0	1560	1569.8	
Frequency (MHz)								
GSM 1 Tx slot	27.71	27.76	27.66	28.60	18.71	18.76	18.66	19.60
GPRS 1 Tx slot	27.61	27.64	27.76	28.50	18.61	18.64	18.76	19.60
GPRS 2 Tx slots	24.68	24.54	24.55	25.60	16.68	16.54	16.55	19.60
GPRS 3 Tx slots	22.86	22.90	22.85	23.90	16.60	16.64	16.59	19.64
GPRS 4 Tx slots	21.56	21.56	21.64	22.60	16.56	16.56	16.64	19.60
EDGE 1 Tx slot	25.52	25.65	25.61	26.50	16.52	16.65	16.61	17.50
EDGE 2 Tx slots	24.57	24.21	24.22	25.50	16.57	16.21	16.22	19.50
EDGE 3 Tx slots	22.61	23.07	22.59	23.90	16.35	16.81	16.33	19.64
EDGE 4 Tx slots	21.31	21.30	21.16	22.50	16.31	16.30	16.16	19.50

		AntD DSI 6 Standalone						AntD DSI 6 Standalone						AntD DSI 6 Simultaneous&Standalone											
		WCDMA II			WCDMA IV			WCDMA V			WCDMA V			WCDMA V			WCDMA V								
		Tune-up Limit (dBm)			Tune-up Limit (dBm)			Tune-up Limit (dBm)			Tune-up Limit (dBm)			Tune-up Limit (dBm)			Tune-up Limit (dBm)								
Frequency (Mhz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6						
3GPP Rel 99	AMR 12.2Kbps	19.50	19.63	19.55	20.40	17.60	17.72	17.64	19.20	23.64	23.71	23.64	24.00	19.50	19.63	19.55	20.40	17.60	17.72	17.64	19.20	23.64	23.71	23.64	24.00
3GPP Rel 99	RMC 12.2Kbps	19.54	19.66	19.56	20.40	17.65	17.77	17.69	19.20	23.69	23.72	23.65	24.00	19.54	19.66	19.56	20.40	17.65	17.77	17.69	19.20	23.69	23.72	23.65	24.00
3GPP Rel 6	HSDPA Subtest-1	18.57	18.67	18.68	19.40	16.63	16.83	16.63	18.20	21.60	21.66	21.69	23.00	18.57	18.67	18.68	19.40	16.63	16.83	16.63	18.20	21.60	21.66	21.69	23.00
3GPP Rel 6	HSDPA Subtest-2	18.40	18.76	18.81	19.40	16.75	16.63	16.66	18.20	21.67	21.55	21.49	23.00	18.40	18.76	18.81	19.40	16.75	16.63	16.66	18.20	21.67	21.55	21.49	23.00
3GPP Rel 6	HSDPA Subtest-3	18.31	18.04	18.05	18.90	16.19	16.13	16.15	17.70	21.14	21.27	21.11	22.50	18.31	18.04	18.05	18.90	16.19	16.13	16.15	17.70	21.14	21.27	21.11	22.50
3GPP Rel 6	HSDPA Subtest-4	17.77	18.15	18.08	18.90	16.27	16.23	16.14	17.70	21.04	21.13	20.86	22.50	17.77	18.15	18.08	18.90	16.27	16.23	16.14	17.70	21.04	21.13	20.86	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.94	18.65	18.83	19.40	16.53	16.73	16.52	18.20	21.73	21.57	21.65	23.00	18.94	18.65	18.83	19.40	16.53	16.73	16.52	18.20	21.73	21.57	21.65	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.82	18.80	18.85	19.40	16.58	16.67	16.35	18.20	21.49	21.78	21.49	23.00	18.82	18.80	18.85	19.40	16.58	16.67	16.35	18.20	21.49	21.78	21.49	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	16.23	16.10	17.81	18.90	16.04	16.00	16.13	17.70	21.39	21.34	21.22	22.50	16.23	16.10	17.81	18.90	16.04	16.00	16.13	17.70	21.39	21.34	21.22	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.99	18.25	18.14	18.90	16.15	16.23	16.13	17.70	20.95	21.29	21.08	22.50	17.99	18.25	18.14	18.90	16.15	16.23	16.13	17.70	20.95	21.29	21.08	22.50
3GPP Rel 6	HSUPA Subtest-1	18.65	18.55	18.89	19.40	16.71	16.65	16.61	18.20	21.57	21.71	21.74	23.00	18.65	18.55	18.89	19.40	16.71	16.65	16.61	18.20	21.57	21.71	21.74	23.00
3GPP Rel 6	HSUPA Subtest-2	16.69	16.70	16.70	17.40	14.73	14.70	14.68	16.20	19.83	19.59	19.58	21.00	16.69	16.70	16.70	17.40	14.73	14.70	14.68	16.20	19.83	19.59	19.58	21.00
3GPP Rel 6	HSUPA Subtest-3	17.71	17.68	17.43	18.40	15.65	15.51	15.66	17.20	20.59	20.95	20.53	22.00	17.71	17.68	17.43	18.40	15.65	15.51	15.66	17.20	20.59	20.95	20.53	22.00
3GPP Rel 6	HSUPA Subtest-4	16.44	16.58	16.68	17.40	14.68	14.64	14.64	16.20	19.47	19.67	19.32	21.00	16.44	16.58	16.68	17.40	14.68	14.64	14.64	16.20	19.47	19.67	19.32	21.00
3GPP Rel 6	HSUPA Subtest-5	18.47	18.71	18.81	19.40	16.68	16.74	16.58	18.20	21.51	21.77	21.81	23.00	18.47	18.71	18.81	19.40	16.68	16.74	16.58	18.20	21.51	21.77	21.81	23.00

		AntD DSI 6 Simultaneous						AntD DSI 6 Simultaneous						AntD DSI 6 Default power											
Band		WCDMA II			WCDMA IV			WCDMA V																	
Tx Channel	Rx Channel	Limit (dBm)			Limit (dBm)			Limit (dBm)			Tune-up Limit (dBm)	Limit (dBm)			Tune-up Limit (dBm)	Limit (dBm)			Tune-up Limit (dBm)	Limit (dBm)					
		1852.4	1880	1907.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6			
Frequency (MHz)																									
3GPP Rel 99	AMR 12.2Kbps	18.01	18.08	18.00	18.90	16.03	16.14	16.05	17.70	23.64	23.71	23.64	24.00	18.01	18.08	18.00	18.90	16.03	16.14	16.05	17.70	23.64	23.71	23.64	24.00
3GPP Rel 99	RMC 12.2Kbps	18.04	18.13	18.06	18.90	16.06	16.17	16.11	17.70	23.69	23.72	23.65	24.00	18.04	18.13	18.06	18.90	16.06	16.17	16.11	17.70	23.69	23.72	23.65	24.00
3GPP Rel 6	HSDPA Subtest-1	17.03	17.14	17.18	17.90	15.08	15.27	15.11	16.70	21.60	21.66	21.69	23.00	17.03	17.14	17.18	17.90	15.08	15.27	15.11	16.70	21.60	21.66	21.69	23.00
3GPP Rel 6	HSDPA Subtest-2	16.93	17.26	17.29	17.90	15.23	15.11	15.10	16.70	21.67	21.55	21.49	23.00	16.93	17.26	17.29	17.90	15.23	15.11	15.10	16.70	21.67	21.55	21.49	23.00
3GPP Rel 6	HSDPA Subtest-3	16.78	16.52	16.49	17.40	14.57	14.53	14.57	16.20	21.14	21.27	21.11	22.50	16.78	16.52	16.49	17.40	14.57	14.53	14.57	16.20	21.14	21.27	21.11	22.50
3GPP Rel 6	HSDPA Subtest-4	16.32	16.60	16.56	17.40	14.73	14.65	14.63	16.20	20.14	21.13	20.86	22.50	16.32	16.60	16.56	17.40	14.73	14.65	14.63	16.20	20.14	21.13	20.86	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	17.37	17.17	17.31	17.90	14.93	15.21	14.93	16.70	21.73	21.57	21.65	23.00	17.37	17.17	17.31	17.90	14.93	15.21	14.93	16.70	21.73	21.57	21.65	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	17.28	17.29	17.29	17.90	15.05	15.10	14.74	16.70	21.49	21.78	21.49	23.00	17.28	17.29	17.29	17.90	15.05	15.10	14.74	16.70	21.49	21.78	21.49	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	16.76	16.44	16.34	17.40	14.52	14.45	14.53	16.20	21.39	21.34	21.22	22.50	16.76	16.44	16.34	17.40	14.52	14.45	14.53	16.20	21.39	21.34	21.22	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	16.44	16.72	16.55	17.40	14.61	14.67	14.56	16.20	20.95	21.28	21.08	22.50	16.44	16.72	16.55	17.40	14.61	14.67	14.56	16.20	20.95	21.28	21.08	22.50
3GPP Rel 6	HSPA Subtest-1	15.03	15.23	15.08	15.90	13.10	13.08	13.10	14.70	19.50	19.57	19.44	23.00	15.03	15.23	15.08	15.90	13.10	13.08	13.10	14.70	19.50	19.57	19.44	23.00
3GPP Rel 6	HSPA Subtest-2	15.16	15.22	15.20	15.90	13.12	13.13	13.12	14.70	19.83	19.59	19.58	21.00	15.16	15.22	15.20	15.90	13.12	13.13	13.12	14.70	19.83	19.59	19.58	21.00
3GPP Rel 6	HSPA Subtest-3	16.11	16.05	15.87	16.90	14.09	13.97	14.08	15.70	20.59	20.95	20.53	22.00	16.11	16.05	15.87	16.90	14.09	13.97	14.08	15.70	20.59	20.95	20.53	22.00
3GPP Rel 6	HSPA Subtest-4	15.03	15.09	15.04	15.90	13.10	13.08	13.12	14.70	19.47	19.67	19.32	21.00	15.03	15.09	15.04	15.90	13.10	13.08	13.12	14.70	19.47	19.67	19.32	21.00
3GPP Rel 6	HSPA Subtest-5	16.96	17.13	17.04	17.90	15.16	15.17	15.03	16.70	21.51	21.77	21.81	23.00	16.96	17.13	17.04	17.90	15.16	15.17	15.03	16.70	21.51	21.77	21.81	23.00

Ant1 DSI 6 Standalone									
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
Frequency (Mhz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.14	32.17	32.13	33.50	23.14	23.17	23.13	24.50	
GPRS 1 Tx slot	32.13	32.15	32.11	33.50	23.13	23.15	23.11	24.50	
GPRS 2 Tx slots	31.03	30.89	30.85	32.00	25.03	24.89	24.85	26.00	
GPRS 3 Tx slots	29.11	29.13	29.08	30.90	24.85	24.87	24.82	26.64	
GPRS 4 Tx slots	27.52	27.54	27.51	29.50	24.52	24.54	24.51	26.50	
EDGE 1 Tx slot	25.43	25.65	25.53	27.00	16.43	16.65	16.53	18.00	
EDGE 2 Tx slots	24.67	24.58	24.70	26.50	16.67	16.58	16.70	20.50	
EDGE 3 Tx slots	23.19	23.15	23.12	24.50	16.93	16.89	16.86	20.24	
EDGE 4 Tx slots	21.57	21.62	21.51	23.50	16.57	16.62	16.51	20.50	

Ant1 DSI 6 Simultaneous									
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
Frequency (Mhz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.14	32.17	32.13	33.50	23.14	23.17	23.13	24.50	
GPRS 1 Tx slot	32.13	32.15	32.11	33.50	23.13	23.15	23.11	24.50	
GPRS 2 Tx slots	31.03	30.89	30.85	32.00	25.03	24.89	24.85	26.00	
GPRS 3 Tx slots	29.11	29.13	29.08	30.90	24.85	24.87	24.82	26.64	
GPRS 4 Tx slots	27.52	27.54	27.51	29.50	24.52	24.54	24.51	26.50	
EDGE 1 Tx slot	25.43	25.65	25.53	27.00	16.43	16.65	16.53	18.00	
EDGE 2 Tx slots	24.67	24.58	24.70	26.50	16.67	16.58	16.70	20.50	
EDGE 3 Tx slots	23.19	23.15	23.12	24.50	16.93	16.89	16.86	20.24	
EDGE 4 Tx slots	21.57	21.62	21.51	23.50	16.57	16.62	16.51	20.50	

Ant1 DSI 6 Standalone									
Band		WCDMA V			Tune-up Limit (dBm)				
TX Channel		4132	4182	4233					
Rx Channel		4357	4407	4458					
Frequency (Mhz)		826.4	836.4	846.6					
3GPP Rel 99	AMR 12.2Kbps	22.69	22.71	22.61	23.90				
3GPP Rel 99	RMC 12.2Kbps	22.73	22.75	22.63	23.90				
3GPP Rel 6	HSDPA Subtest-1	21.73	21.81	21.82	22.90				
3GPP Rel 6	HSDPA Subtest-2	21.61	21.77	21.68	22.90				
3GPP Rel 6	HSDPA Subtest-3	21.20	21.37	21.27	22.40				
3GPP Rel 6	HSDPA Subtest-4	21.17	21.28	21.15	22.40				
3GPP Rel 8	DC-HSDPA Subtest-1	21.77	21.82	21.73	22.90				
3GPP Rel 8	DC-HSDPA Subtest-2	21.77	21.83	21.74	22.90				
3GPP Rel 8	DC-HSDPA Subtest-3	21.27	21.25	21.30	22.40				
3GPP Rel 8	DC-HSDPA Subtest-4	21.20	21.23	21.18	22.40				
3GPP Rel 6	HSUPA Subtest-1	21.62	21.63	21.51	22.90				
3GPP Rel 6	HSUPA Subtest-2	19.62	19.62	19.62	20.90				
3GPP Rel 6	HSUPA Subtest-3	20.70	20.85	20.86	21.90				
3GPP Rel 6	HSUPA Subtest-4	19.55	19.42	19.62	20.90				
3GPP Rel 6	HSUPA Subtest-5	21.67	21.69	21.76	22.90				

Ant1 DSI 6 Simultaneous									
Band		WCDMA V			Tune-up Limit (dBm)				
TX Channel		4132	4182	4233					
Rx Channel		4357	4407	4458					
Frequency (Mhz)		826.4	836.4	846.6					
3GPP Rel 99	AMR 12.2Kbps	21.00	21.08	20.96	22.40				
3GPP Rel 99	RMC 12.2Kbps	21.07	21.14	21.06	22.40				
3GPP Rel 6	HSDPA Subtest-1	20.10	20.15	20.16	21.40				
3GPP Rel 6	HSDPA Subtest-2	20.00	20.19	20.04	21.40				
3GPP Rel 6	HSDPA Subtest-3	19.51	19.70	19.69	20.90				
3GPP Rel 6	HSDPA Subtest-4	19.59	19.70	19.55	20.90				
3GPP Rel 8	DC-HSDPA Subtest-1	20.14	20.18	20.15	21.40				
3GPP Rel 8	DC-HSDPA Subtest-2	20.16	20.23	20.13	21.40				
3GPP Rel 8	DC-HSDPA Subtest-3	19.63	19.57	19.72	20.90				
3GPP Rel 8	DC-HSDPA Subtest-4	19.57	19.66	19.58	20.90				
3GPP Rel 6	HSUPA Subtest-1	19.97	19.99	19.84	21.40				
3GPP Rel 6	HSUPA Subtest-2	17.98	18.16	18.17	19.40				
3GPP Rel 6	HSUPA Subtest-3	19.10	19.23	19.17	20.40				
3GPP Rel 6	HSUPA Subtest-4	17.97	17.73	18.05	19.40				
3GPP Rel 6	HSUPA Subtest-5	20.09	20.08	20.14	21.40				

Band 2 Ant0 DSI 6 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up Init. (sec)	APR3 (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.66	16.77	16.75	20.5	0		
20	QPSK	1	49	16.62	16.68	16.67				
20	QPSK	1	99	16.65	16.67	16.62				
20	QPSK	50	0	16.56	16.60	16.42				
20	QPSK	50	24	16.52	16.56	16.43	20.5	0		
20	QPSK	50	50	16.51	16.45	16.32				
20	QPSK	100	0	16.52	16.54	16.43				
20	16QAM	50	0	16.51	16.50	16.46				
20	16QAM	1	49	16.47	16.44	16.36	20.5	0		
20	16QAM	1	99	16.48	16.49	16.49				
20	16QAM	50	0	16.40	16.46	16.22				
20	16QAM	50	24	16.38	16.46	16.36				
20	16QAM	50	50	16.29	16.33	16.46	20.5	0		
20	16QAM	100	0	16.50	16.35	16.28				
20	16QAM	100	0	16.40	16.33	16.30				
20	16QAM	100	0	16.40	16.33	16.28				
20	256QAM	1	49	17.46	17.35	17.51	19	1.5		
20	256QAM	1	99	17.26	17.26	17.35				
20	256QAM	50	24	17.38	17.31	17.27				
20	256QAM	50	50	17.40	17.39	17.49				
20	256QAM	100	0	17.25	17.25	17.25	19	1.5		
Channel										
Frequency (MHz)										
16	QPSK	1	0	16.67	16.60	16.63	20.5	0		
16	QPSK	1	37	16.60	16.65	16.60				
16	QPSK	1	74	16.49	16.58	16.44				
16	QPSK	36	0	16.50	16.56	16.26				
16	QPSK	36	0	16.39	16.46	16.38	20.5	0		
16	QPSK	36	36	16.41	16.37	16.20				
16	QPSK	75	0	16.46	16.44	16.46				
16	16QAM	1	0	16.35	16.42	16.30				
16	16QAM	1	37	16.33	16.38	16.23	20.5	0		
16	16QAM	1	74	16.33	16.35	16.27				
16	16QAM	36	0	16.25	16.33	16.08				
16	16QAM	36	20	16.31	16.38	16.23				
16	16QAM	36	0	16.25	16.33	16.08	20.5	0		
16	16QAM	75	0	16.38	16.25	16.15				
16	16QAM	75	0	16.48	16.39	16.27				
16	16QAM	75	0	16.31	16.40	16.16				
16	16QAM	1	74	16.37	16.35	16.25	20.5	0		
16	16QAM	36	0	16.27	16.19	16.25				
16	16QAM	36	36	16.26	16.16	16.11				
16	16QAM	36	36	16.11	16.05	16.02				
16	16QAM	75	0	16.29	16.25	16.17	19	1.5		
16	256QAM	1	37	17.31	17.29	17.50				
16	256QAM	1	74	17.17	17.19	17.22				
16	256QAM	36	0	17.13	17.06	17.06				
16	256QAM	36	20	17.32	17.21	17.14	19	1.5		
16	256QAM	36	39	17.38	17.32	17.36				
16	256QAM	75	0	17.08	17.01	17.15				
Channel										
Frequency (MHz)										
16	QPSK	1	0	16.65	16.60	16.65	20.5	0		
16	QPSK	1	25	16.48	16.51	16.35				
16	QPSK	1	49	16.40	16.60	16.44				
16	QPSK	25	0	16.46	16.52	16.38				
16	QPSK	25	25	16.39	16.39	16.20	20.5	0		
16	QPSK	50	0	16.42	16.42	16.34				
16	QPSK	50	25	16.42	16.42	16.34				
16	16QAM	1	0	16.42	16.55	16.30				
16	16QAM	1	26	16.33	16.36	16.23	20.5	0		
16	16QAM	1	49	16.41	16.36	16.23				
16	16QAM	25	0	16.31	16.32	16.13				
16	16QAM	25	12	16.29	16.38	16.22				
16	16QAM	25	12	16.22	16.23	16.06	20.5	0		
16	16QAM	50	0	16.34	16.22	16.22				
16	16QAM	50	0	16.25	16.20	16.06				
16	256QAM	1	26	17.41	17.25	17.36				
16	256QAM	1	49	17.14	17.14	17.27	19	1.5		
16	256QAM	25	0	17.10	17.06	17.06				
16	256QAM	25	12	17.32	17.26	17.16				
16	256QAM	25	25	17.46	17.36	17.40				
16	256QAM	50	0	17.07	17.13	17.18	19	1.5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.63	16.60	16.65	20.5	0		
5	QPSK	1	12	16.54	16.52	16.43				
5	QPSK	1	24	16.60	16.59	16.43				
5	QPSK	12	0	16.46	16.50	16.34				
5	QPSK	12	7	16.37	16.48	16.34	20.5	0		
5	QPSK	12	13	16.38	16.37	16.22				
5	QPSK	26	0	16.48	16.48	16.34				
5	16QAM	1	0	16.35	16.53	16.39				
5	16QAM	1	12	16.39	16.37	16.33	20.5	0		
5	16QAM	1	24	16.38	16.44	16.32				
5	16QAM	12	0	16.35	16.34	16.27				
5	16QAM	12	7	16.31	16.43	16.28				
5	16QAM	12	13	16.16	16.16	16.28	20.5	0		
5	16QAM	25	0	16.43	16.26	16.18				
5	16QAM	1	0	16.50	16.36	16.32				
5	16QAM	1	12	16.39	16.37	16.31				
5	16QAM	1	24	16.34	16.33	16.22	20.5	0		
5	16QAM	12	0	16.18	16.16	16.29				
5	16QAM	12	7	16.20	16.16	16.21				
5	16QAM	12	13	16.02	16.07	16.19				
5	16QAM	26	0	16.33	16.22	16.24	20.5	0		
5	16QAM	26	0	16.33	16.22	16.24				
5	256QAM	1	0	17.24	17.22	17.34				
5	256QAM	1	12	17.42	17.27	17.37				
5	256QAM	1	24	17.11	17.21	17.22	19	1.5		
5	256QAM	12	0	17.19	17.12	17.10				
5	256QAM	12	7	17.34	17.28	17.13				
5	256QAM	12	13	17.38	17.32	17.35				
5	256QAM	25	0	17.11	17.16	17.11	19	1.5		
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.59	16.61	16.63	20.5	0		
3	QPSK	1	8	16.52	16.62	16.39				
3	QPSK	1	16	16.63	16.60	16.43				
3	QPSK	8	0	16.47	16.52	16.36				
3	QPSK	8	4	16.45	16.47	16.29	20.5	0		
3	QPSK	8	12	16.46	16.46	16.29				
3	QPSK	16	0	16.45	16.45	16.31				
3	16QAM	1	0	16.42	16.47	16.41				
3	16QAM	1	8	16.42	16.42	16.34	20.5	0		
3	16QAM	1	16	16.42	16.42	16.34				
3	16QAM	8	0	16.39	16.34	16.24				
3	16QAM	8	4	16.33	16.36	16.30				
3	16QAM	8	12	16.32	16.32	16.28	20.5	0		
3	16QAM	8	16	16.32	16.32	16.28				
3	16QAM	8	7	16.18	16.22	16.25				
3	16QAM	16	0	16.46	16.23	16.16				
3	16QAM	1	16	16.49	16.38	16.32	20.5	0		
3	16QAM	8	7	16.18	16.22	16.25				
3	16QAM	8	8	16.39	16.44	16.15				
3	16QAM	1	16	16.35	16.37	16.28				
3	16QAM	8	4	16.16	16.08	16.21	20.5	0		
3	16QAM	8	12	16.20	16.21	16.24				
3	16QAM	16	0	16.36	16.20	16.22				
3	256QAM	1	0	17.29	17.30	17.25				
3	256QAM	1	8	17.12	17.20	17.25	19	1.5		
3	256QAM	1	16	17.17	17.22	17.27				
3	256QAM	16	0	17.18	17.22	17.27				
3	256QAM	8	4	17.17	17.09	17.11				
3	256QAM	8	12	17.27	17.15	17.17	19	1.5		
3	256QAM	8	7	17.37	17.37	17.44				
3	256QAM	16	0	17.07	17.13	17.12				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.54	16.65	16.64	20.5	0		
1.4	QPSK	1	8	16.52	16.62	16.47				
1.4	QPSK	1	16	16.60	16.58	16.47				
1.4	QPSK	3	0	16.51	16.60	16.37				
1.4	QPSK	3	8	16.48	16.58	16.34	20.5	0		
1.4	QPSK	3	16	16.36	16.37	16.25				
1.4	16QAM	1	0	16.36	16.39	16.27				
1.4	16QAM	1	8	16.35	16.39	16.27				
1.4	16QAM	3	0	16.32	16.39	16.27	20.5	0		
1.4	16QAM	3	8	16.37	16.38	16.23				
1.4	16QAM	3	1	16.29	16.43	16.26				
1.4	16QAM	3	16	16.30	16.45	16.30				
1.4	16QAM	3	3	16.21	16.27	16.35	20.5	0		
1.4	16QAM	3	16	16.39	16.37	16.27				
1.4	16QAM	3	1	16.34	16.34	16.13				
1.4	16QAM	3	8	16.38	16.41	16.18				
1.4	16QAM	3	0	16.17	16.19	16.27	20.5	0		
1.4	16QAM	3	16	16.17	16.39	16.26				
1.4	16QAM	3	1	16.22	16.25	16.21				
1.4	16QAM	3	8	16.22	16.15	16.15				
1.4	256QAM	3	3	17.34	17.26	17.35	19	1.5		
1.4	256QAM	3	16	17.12	17.06	17.16				
1.4	256QAM	3	1	17.26	17.18	17.26				
1.4	256QAM	3	8	17.34	17.26	17.35				



Band 4 Ant0 DSI 6 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (ms)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.19	16.25	16.17			
20	QPSK	1	49	16.11	16.11	16.11	21.3	0	
20	QPSK	1	99	16.03	16.08	16.21			
20	QPSK	50	0	16.13	16.24	16.02			
20	QPSK	50	24	16.02	16.05	16.20			
20	QPSK	50	50	16.13	16.19	16.05	17.9	0	
20	QPSK	100	0	15.92	16.08	16.07			
20	HQAM	1	0	15.99	16.19	16.03			
20	HQAM	1	49	15.90	15.88	15.90	21.9	0	
20	HQAM	1	99	16.00	16.07	16.00			
20	HQAM	50	0	15.98	16.14	15.94			
20	HQAM	50	24	15.92	16.09	15.91	17.9	0	
20	HQAM	50	50	15.96	15.99	15.96			
20	HQAM	100	0	15.97	16.07	15.92			
20	HQAM	1	0	15.91	16.04	15.89			
20	HQAM	1	49	15.97	16.15	15.93	17.9	0	
20	HQAM	1	99	16.00	16.17	15.94			
20	HQAM	50	0	15.85	16.08	15.90			
20	HQAM	50	24	15.96	16.11	15.94	17.9	0	
20	HQAM	50	50	15.98	16.06	15.92			
20	HQAM	100	0	15.87	15.88	15.90			
20	HQAM	1	49	15.98	16.15	15.95	17.9	0	
20	256QAM	1	99	16.07	15.91	15.96			
20	256QAM	50	0	15.96	16.03	15.98			
20	256QAM	50	24	15.97	16.09	16.00	17.9	0	
20	256QAM	50	50	15.84	15.94	15.87			
20	256QAM	100	0	15.87	15.97	15.89			
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.11	16.15	16.05			
15	QPSK	1	37	16.03	15.98	16.07	17.9	0	
15	QPSK	1	74	15.92	15.96	16.14			
15	QPSK	36	0	16.07	16.19	15.92			
15	QPSK	36	20	15.98	15.93	15.98	17.9	0	
15	QPSK	36	36	16.03	16.03	15.90			
15	QPSK	75	0	15.78	15.93	15.92			
15	HQAM	1	0	15.84	15.85	15.86			
15	HQAM	1	37	15.78	15.81	15.79	17.9	0	
15	HQAM	1	74	16.04	15.99	15.99			
15	HQAM	36	0	15.91	16.00	15.93			
15	HQAM	36	20	15.98	15.89	15.86	17.9	0	
15	HQAM	36	36	15.92	15.92	15.82			
15	HQAM	75	0	15.87	15.93	15.92			
15	HQAM	1	0	15.75	15.93	15.82			
15	HQAM	1	37	15.65	15.89	15.82	17.9	0	
15	HQAM	1	74	15.87	16.12	15.83			
15	HQAM	36	0	15.79	15.93	15.81			
15	HQAM	36	20	15.92	15.82	15.82	17.9	0	
15	HQAM	36	36	15.89	15.87	15.92			
15	HQAM	75	0	15.81	15.97	15.94			
15	HQAM	1	0	15.66	15.85	15.85			
15	256QAM	1	37	15.84	16.00	15.81	17.9	0	
15	256QAM	1	74	16.02	15.86	15.86			
15	256QAM	36	0	15.98	15.88	15.86			
15	256QAM	36	20	15.91	16.03	15.92	17.9	0	
15	256QAM	36	36	15.70	15.89	15.81			
15	256QAM	75	0	15.86	15.86	15.81			
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.09	16.09	16.09			
10	QPSK	1	25	16.05	15.98	16.04	17.9	0	
10	QPSK	1	49	15.94	15.92	16.08			
10	QPSK	25	0	16.09	16.12	15.98			
10	QPSK	25	12	15.95	15.94	15.91	17.9	0	
10	QPSK	25	25	16.00	15.98	15.97			
10	QPSK	50	0	15.72	15.92	15.82			
10	HQAM	1	0	15.89	16.03	15.89			
10	HQAM	1	25	15.79	15.77	15.86	17.9	0	
10	HQAM	1	49	16.03	16.03	15.98			
10	HQAM	25	0	15.91	16.03	15.95			
10	HQAM	25	12	15.86	15.82	15.85	17.9	0	
10	HQAM	25	25	15.70	15.82	15.82			
10	HQAM	50	0	15.87	15.92	15.88			
10	HQAM	1	0	15.80	15.95	15.78			
10	HQAM	1	25	15.92	16.02	15.84	17.9	0	
10	HQAM	1	49	15.94	16.10	15.81			
10	HQAM	25	0	15.76	15.94	15.79			
10	HQAM	25	12	15.84	15.88	15.82	17.9	0	
10	HQAM	25	25	15.93	15.91	15.87			
10	HQAM	50	0	15.72	15.74	15.87			
10	256QAM	1	0	15.82	15.87	15.84			
10	256QAM	1	25	15.86	16.02	15.87	17.9	0	
10	256QAM	1	49	15.97	16.07	15.87			
10	256QAM	25	0	15.81	15.89	15.87			
10	256QAM	25	12	15.92	16.03	15.88	17.9	0	
10	256QAM	25	25	15.73	15.81	15.83			
10	256QAM	50	0	15.85	15.87	15.80			
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.15	16.13	16.05			
5	QPSK	1	12	16.00	16.03	16.12	17.9	0	
5	QPSK	1	24	15.87	16.02	16.13			
5	QPSK	12	0	16.09	16.12	15.95			
5	QPSK	12	7	15.85	15.96	15.90	17.9	0	
5	QPSK	12	13	16.00	15.95	15.89			
5	QPSK	25	0	15.71	15.85	15.81			
5	HQAM	1	0	15.90	16.06	15.91			
5	HQAM	1	12	15.78	15.82	15.83	17.9	0	
5	HQAM	1	24	15.85	15.86	15.84			
5	HQAM	12	0	15.85	16.08	15.98			
5	HQAM	12	7	15.70	15.89	15.80	17.9	0	
5	HQAM	12	13	15.81	15.87	15.87			
5	HQAM	25	0	15.84	16.03	15.87			
5	HQAM	1	0	15.86	15.97	15.83	17.9	0	
5	HQAM	1	12	15.87	16.09	15.87			
5	HQAM	1	24	15.93	16.12	15.78			
5	HQAM	12	0	15.75	15.95	15.79			
5	HQAM	12	7	15.80	15.97	15.81	17.9	0	
5	HQAM	12	13	15.93	15.98	15.92			
5	HQAM	25	0	15.79	15.73	15.88			
5	256QAM	1	0	15.88	15.88	15.87			
5	256QAM	1	12	15.86	16.07	15.84	17.9	0	
5	256QAM	1	24	15.94	15.92	15.89			
5	256QAM	12	0	15.84	15.86	15.84			
5	256QAM	12	7	15.71	15.94	15.75	17.9	0	
5	256QAM	12	13	15.81	15.94	15.84			
5	256QAM	25	0	15.92	15.80	15.83			
Channel									
Frequency (MHz)									
3	QPSK	1	0	16.04	16.13	16.04			
3	QPSK	1	8	15.96	16.06	16.14	17.9	0	
3	QPSK	1	14	15.98	15.95	16.12			
3	QPSK	8	0	16.08	16.15	15.93			
3	QPSK	8	4	15.85	15.92	15.91	17.9	0	
3	QPSK	8	7	16.05	16.05	15.96			
3	QPSK	16	0	15.74	15.94	15.94			
3	HQAM	1	0	15.92	16.06	15.99			
3	HQAM	1	8	15.79	15.72	15.77	17.9	0	
3	HQAM	1	14	15.86	15.94	15.96			
3	HQAM	8	0	15.94	16.03	15.92			
3	HQAM	8	4	15.89	15.87	15.82	17.9	0	
3	HQAM	8	7	15.74	15.86	15.82			
3	HQAM	16	0	15.89	16.01	15.95			
3	HQAM	1	0	15.80	15.91	15.75			
3	HQAM	1	8	15.88	16.09	15.97	17.9	0	
3	HQAM	1	14	15.93	16.13	15.79			
3	HQAM	8	0	15.79	15.89	15.89			
3	HQAM	8	4	15.83	15.96	15.88	17.9	0	
3	HQAM	8	7	15.89	16.01	15.87			
3	256QAM	16	0	15.97	15.87	15.87			
3	256QAM	1	8	15.88	16.07	15.83	17.9	0	
3	256QAM	1	14	15.98	15.77	15.84			
3	256QAM	8	0	15.89	15.97	15.95			
3	256QAM	8	4	15.91	16.01	15.85	17.9	0	
3	256QAM	8	7	15.73	15.83	15.84			
3	256QAM	16	0	15.89	15.92	15.95			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	16.05	16.12	16.04			
1.4	QPSK	1	3	16.02	16.07	16.08	17.9	0	
1.4	QPSK	1	5	15.99	15.95	16.13			
1.4	QPSK	3	0	16.04	16.15	15.96			
1.4	QPSK	3	1	15.87	15.96	15.90			
1.4	QPSK	3	3	16.03	16.06	15.97	17.9	0	
1.4	QPSK	6	0	15.74	16.02	15.87			
1.4	HQAM	1	0	15.94	15.95	15.94			
1.4	HQAM	1	3	15.86	15.74	15.84	17.9	0	
1.4	HQAM	1	5	15.96	15.96	15.87			
1.4	HQAM	3	0	15.88	16.02	15.97			
1.4	HQAM	3	1	15.86	15.94	15.78	17.9	0	
1.4	HQAM	3	3	15.78	15.88	15.87			
1.4	HQAM	6	0	15.82	16.02	15.88			
1.4	HQAM	1	0	15.87	15.92	15.79	17.9	0	
1.4	HQAM	1	3	15.84	15.84	15.84			
1.4	HQAM	1	5	15.86	16.08	15.80			
1.4	HQAM	3	0	15.79	15.93	15.84			
1.4	HQAM	3	1	15.83	15.90	15.92	17.9	0	
1.4	HQAM	3	3	15.89	15.82	15.83			
1.4	HQAM	6	0	15.82	15.84	15.90			
1.4	256QAM	1	3	15.84	15.76	15.88			



Band 13 Ant0 DS16											
Standalone&Simultaneous											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up (dB)	MFR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	24.31			25	0			
10	QPSK	1	25	24.17	17.75	17.75					
10	QPSK	1	49	24.24			24	1			
10	QPSK	25	0	23.33							
10	QPSK	25	12	23.27							
10	QPSK	25	25	23.30							
10	QPSK	50	0	23.24			24	1			
10	16QAM	1	0	23.58							
10	16QAM	1	25	23.45							
10	16QAM	1	49	23.51							
10	16QAM	25	0	22.29			23	2			
10	16QAM	25	12	22.32							
10	16QAM	25	25	22.46							
10	16QAM	50	0	22.25							
10	64QAM	1	0	22.42			23	2			
10	64QAM	1	25	22.46							
10	64QAM	1	49	22.28							
10	64QAM	25	0	21.46							
10	64QAM	25	12	21.50			22	3			
10	64QAM	25	25	21.36							
10	64QAM	50	0	21.41							
10	256QAM	1	0	19.55							
10	256QAM	1	25	19.37			20	5			
10	256QAM	1	49	19.52							
10	256QAM	25	0	19.39							
10	256QAM	25	12	19.31							
10	256QAM	25	25	19.43			20	5			
10	256QAM	50	0	19.29							
10	256QAM	50	0	19.29							
10	256QAM	50	0	19.29							
Channel											
Frequency (MHz)											
5	QPSK	1	0	24.30	24.17	24.28	25	0			
5	QPSK	1	12	24.13	24.09	24.19					
5	QPSK	1	24	24.11	24.16	24.14	24	1			
5	QPSK	12	0	23.38	23.26	23.23					
5	QPSK	12	7	23.36	23.32	23.37					
5	QPSK	12	13	23.31	23.19	23.26					
5	QPSK	25	0	23.69	23.12	23.14	24	1			
5	16QAM	1	0	23.58	23.54	23.54					
5	16QAM	1	12	23.49	23.31	23.39					
5	16QAM	1	24	23.48	23.37	23.39					
5	16QAM	12	0	22.28	22.15	22.21	23	2			
5	16QAM	12	7	22.26	22.17	22.15					
5	16QAM	12	13	22.25	22.36	22.27					
5	16QAM	25	0	22.17	22.11	22.18					
5	64QAM	1	0	22.35	22.34	22.41	23	2			
5	64QAM	1	0	22.42	22.35	22.45					
5	64QAM	1	24	22.22	22.18	22.31					
5	64QAM	12	0	21.38	21.35	21.47					
5	64QAM	12	13	21.32	21.22	21.19	22	3			
5	64QAM	12	7	21.41	21.38	21.46					
5	64QAM	25	0	21.30	21.26	21.27					
5	256QAM	1	0	19.46	19.41	19.47					
5	256QAM	1	12	19.38	19.25	19.23	20	5			
5	256QAM	1	24	19.52	19.48	19.61					
5	256QAM	12	0	19.37	19.26	19.24					
5	256QAM	12	7	19.29	19.24	19.34					
5	256QAM	12	13	19.46	19.36	19.32	20	5			
5	256QAM	25	0	19.38	19.21	19.28					
5	256QAM	25	0	19.38	19.21	19.28					
5	256QAM	25	0	19.38	19.21	19.28					

Band 66 Ant0 DS16 Standalone											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 190972	Power High Ch./Freq. 191028	Power High Ch./Freq. 191072	Time-up (sec)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	17.77	17.87	17.83	19.4	0			
20	QPSK	1	49	17.70	17.68	17.75					
20	QPSK	1	99	17.83	17.61	17.82	19.4	0			
20	QPSK	50	0	17.87	17.75	17.89					
20	QPSK	50	24	17.44	17.53	17.65					
20	QPSK	50	50	17.81	17.62	17.88					
20	QPSK	100	0	17.86	17.55	17.83	19.4	0			
20	16QAM	1	0	17.47	17.63	17.86					
20	16QAM	1	49	17.50	17.44	17.41					
20	16QAM	1	99	17.45	17.57	17.47					
20	16QAM	25	0	17.80	17.60	17.81	19.4	0			
20	16QAM	50	24	17.84	17.50	17.46					
20	16QAM	50	50	17.47	17.53	17.82					
20	16QAM	100	0	17.48	17.56	17.44					
20	64QAM	1	0	17.48	17.49	17.42	19.4	0			
20	64QAM	1	49	17.50	17.57	17.50					
20	64QAM	1	99	17.46	17.51	17.46					
20	64QAM	50	0	17.83	17.51	17.82					
20	64QAM	50	24	17.45	17.58	17.48	19.4	0			
20	64QAM	50	50	17.49	17.58	17.46					
20	64QAM	100	0	17.47	17.52	17.46					
20	64QAM	100	0	17.48	17.50	17.47					
20	256QAM	1	49	17.48	17.50	17.47	19	0.4			
20	256QAM	1	99	17.71	17.66	17.67					
20	256QAM	25	0	17.76	17.63	17.67					
20	256QAM	25	12	17.81	17.68	17.65					
20	256QAM	50	24	17.81	17.68	17.65	19	0.4			
20	256QAM	50	50	17.86	17.82	17.79					
20	256QAM	100	0	17.82	17.78	17.79					
20	256QAM	100	0	17.82	17.78	17.79					
Channel											
Frequency (MHz)											
15	QPSK	1	0	17.74	17.65	17.72	19.4	0			
15	QPSK	1	37	17.64	17.72	17.83					
15	QPSK	1	74	17.61	17.68	17.86	19.4	0			
15	QPSK	36	0	17.60	17.74	17.83					
15	QPSK	36	18	17.64	17.66	17.86					
15	QPSK	36	39	17.61	17.67	17.85					
15	QPSK	75	0	17.59	17.63	17.81	19.4	0			
15	16QAM	1	0	17.50	17.72	17.86					
15	16QAM	1	37	17.62	17.47	17.45					
15	16QAM	1	74	17.61	17.63	17.81					
15	16QAM	36	0	17.45	17.63	17.81	19.4	0			
15	16QAM	36	20	17.63	17.52	17.49					
15	16QAM	36	39	17.68	17.58	17.81					
15	16QAM	75	0	17.58	17.58	17.54					
15	64QAM	1	0	17.49	17.59	17.45	19.4	0			
15	64QAM	1	37	17.60	17.58	17.81					
15	64QAM	1	74	17.48	17.65	17.55					
15	64QAM	36	0	17.46	17.57	17.50					
15	64QAM	36	20	17.48	17.58	17.46	19.4	0			
15	64QAM	36	39	17.57	17.57	17.55					
15	64QAM	75	0	17.50	17.44	17.53					
15	256QAM	1	0	17.61	17.60	17.81					
15	256QAM	1	37	17.63	17.44	17.40	19	0.4			
15	256QAM	1	74	17.66	17.62	17.52					
15	256QAM	36	0	17.61	17.63	17.81					
15	256QAM	36	20	17.68	17.53	17.59					
15	256QAM	36	39	17.82	17.73	17.79	19	0.4			
15	256QAM	75	0	17.58	17.46	17.53					
15	256QAM	75	0	17.58	17.46	17.53					
15	256QAM	75	0	17.58	17.46	17.53					
Channel											
Frequency (MHz)											
10	QPSK	1	0	17.65	17.66	17.65	19.4	0			
10	QPSK	1	25	17.61	17.53	17.65					
10	QPSK	1	49	17.43	17.48	17.49	19.4	0			
10	QPSK	24	0	17.54	17.54	17.47					
10	QPSK	25	12	17.58	17.58	17.69					
10	QPSK	25	25	17.62	17.72	17.61					
10	QPSK	50	0	17.68	17.68	17.81	19.4	0			
10	16QAM	1	0	17.53	17.66	17.54					
10	16QAM	1	25	17.57	17.47	17.50					
10	16QAM	1	49	17.50	17.48	17.49	19.4	0			
10	16QAM	25	12	17.68	17.47	17.44					
10	16QAM	25	25	17.72	17.58	17.55					
10	16QAM	50	0	17.76	17.55	17.52					
10	16QAM	50	0	17.76	17.55	17.52	19.4	0			
10	16QAM	50	12	17.82	17.57	17.54					
10	16QAM	100	0	17.78	17.57	17.54					
10	16QAM	100	0	17.78	17.57	17.54					
10	64QAM	1	0	17.49	17.49	17.49	19.4	0			
10	64QAM	1	25	17.63	17.47	17.58					
10	64QAM	1	49	17.46	17.56	17.57					
10	64QAM	25	12	17.89	17.65	17.70					
10	64QAM	25	12	17.89	17.65	17.70	19	0.4			
10	64QAM	25	25	17.93	17.73	17.78					
10	64QAM	50	0	17.84	17.63	17.68					
10	64QAM	50	12	17.90	17.70	17.75					
10	64QAM	100	0	17.86	17.65	17.70					
10	64QAM	100	0	17.86	17.65	17.70					
Channel											
Frequency (MHz)											
5	QPSK	1	0	17.66	17.68	17.48	19.4	0			
5	QPSK	1	12	17.66	17.59	17.63					
5	QPSK	1	25	17.66	17.59	17.63	19.4	0			
5	QPSK	12	0	17.54	17.71	17.62					
5	QPSK	12	7	17.62	17.59	17.84					
5	QPSK	12	14	17.63	17.63	17.84					
5	QPSK	25	0	17.63	17.63	17.63	19.4	0			
5	16QAM	1	0	17.50	17.74	17.82					
5	16QAM	1	12	17.50	17.68	17.82					
5	16QAM	1	24	17.48	17.66	17.80					
5	16QAM	12	0	17.46	17.66	17.86	19.4	0			
5	16QAM	12	7	17.49	17.49	17.49					
5	16QAM	12	14	17.60	17.54	17.89					
5	16QAM	25	0	17.58	17.57	17.69					
5	16QAM	25	7	17.54	17.58	17.44	19.4	0			
5	16QAM	25	14	17.64	17.58	17.44					
5	16QAM	50	0	17.62	17.61	17.54					
5	16QAM	50	7	17.62	17.62	17.53					
5	16QAM	100	0	17.60	17.60	17.54	19.4	0			
5	16QAM	100	0	17.60	17.60	17.54					
5	16QAM	100	7	17.55	17.40	17.58					
5	16QAM	100	14	17.58	17.68	17.75					
5	64QAM	1	0	17.46	17.68	17.75	19	0.4			
5	64QAM	1	12	17.47	17.64	17.75					
5	64QAM	1	24	17.52	17.62	17.52					
5	64QAM	12	0	17.61	17.61	17.76					
5	64QAM	12	7	17.67	17.59	17.76	19	0.4			
5	64QAM	12	14	17.77	17.53	17.76					
5	64QAM	25	0	17.83	17.71	17.74					
5	64QAM	25	7	17.85	17.63	17.72					
Channel											
Frequency (MHz)											
3	QPSK	1	0	17.73	17.70	17.52	19.4	0			
3	QPSK	1	12	17.67	17.67	17.52					
3	QPSK	1	14	17.44	17.56	17.57	19.4	0			
3	QPSK	8	0	17.66	17.73	17.58					
3	QPSK	8	7	17.67	17.59	17.83					
3	QPSK	8	7	17.57	17.70	17.70					
3	16QAM	1	0	17.54	17.61	17.61	19.4	0			
3	16QAM	1	14	17.61	17.61	17.61					
3	16QAM	1	8	17.62	17.47	17.52					
3	16QAM	1	14	17.47	17.71	17.57					
3	16QAM	8	0	17.61	17.61	17.61	19.4	0			
3	16QAM	8	7	17.57	17.63	17.68					
3	16QAM	8	7	17.54	17.53	17.63					
3	16QAM	8	7	17.48	17.57	17.51					
3	16QAM	1	0	17.50	17.65	17.53	19.4	0			
3	16QAM	1	8	17.51	17.62	17.53					
3	16QAM	1	14	17.42	17.60	17.47					
3	16QAM	8	0	17.41	17.62	17.63					
3	16QAM	1	0	17.46	17.60	17.51	19	0.4			
3	16QAM	1	8	17.49	17.59	17.54					
3	16QAM	1	14	17.64	17.49	17.47					
3	16QAM	8	0	17.43	17.61	17.63					
3	256QAM	1	14	17.64	17.60	17.51	19	0.4			
3	256QAM	1	8	17.65	17.59	17.54					
3	256QAM	8	0	17.67	17.54	17.60					
3	256QAM	8	7	17.76	17.54	17.74					
3	256QAM	8	7	17.69	17.60	17.60	19	0.4			
3	256QAM	8	7	17.69	17.60	17.60					
3	256QAM	8	7	17.69	17.60	17.60					
3	256QAM	8	7	17.69	17.60	17.60					
3	256QAM	8	7	17.69	17.60	17.60					
3	256QAM	8	7	17.69	17.60	17.60					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	17.84	17.84	17.48	19.4	0			
1.4	QPSK	1	14	17.65	17.65	17.48					
1.4	QPSK	1	6	17.48	17.50	17.52	19.4	0			
1.4	QPSK	3.177	0	17.90	17.90	17.52					
1.4	QPSK	3.177	0	17.90	17.90	17.52					
1.4	QPSK	3.177	0	17.90	17.90	17.52					
1.4	QPSK	3.177	0	17.90	17.90	17.52	19.4	0			
1.4	QPSK	3.177	0	17.90	17.90	17.52					
1.4	QPSK	3.177	0	17.90	17.90	17.52					
1.4	QPSK	3.177	0	17.90	17.90	17.52					
1.4	16QAM	1	0	17.46	17.70	17.55	19.4	0			
1.4	16QAM	1	3	17.57	17.44	17.46					
1.4	16QAM	1	14	17.61	17.51	17.46					
1.4	16QAM	3	0	17.59	17.59	17.55					
1.4	16QAM	3	0	17.62	17.57	17.59	19.4	0			
1.4	16QAM	3	0	17.47	17.56	17.41					
1.4	16QAM	3	0	17.44	17.71	17.49					
1.4	16QAM	3	0	17.44	17.64	17.52					

Band 38 Ant0 PC3 DSI6 Standalone									
BW [MHz]	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)				37650	38000	38150			
20	QPSK	1	0	22.99	23.04	22.95	23.5	0	
20	QPSK	1	49	22.92	22.97	22.93			
20	QPSK	1	99	22.85	22.89	22.88			
20	QPSK	50	0	21.88	22.09	21.87			
20	QPSK	50	24	22.01	21.95	21.94	23	0.5	
20	QPSK	50	50	22.07	22.06	21.97			
20	QPSK	100	0	21.83	21.88	21.76			
20	16QAM	1	0	22.14	22.11	22.18			
20	16QAM	1	49	22.18	22.03	22.13	23	0.5	
20	16QAM	1	99	21.93	21.95	22.00			
20	16QAM	50	0	20.91	20.95	21.09			
20	16QAM	50	24	21.16	21.04	21.09			
20	16QAM	50	50	21.10	21.01	20.97	22	1.5	
20	16QAM	100	0	20.83	20.85	20.95			
20	64QAM	1	0	20.89	20.81	20.88			
20	64QAM	1	49	20.90	20.89	20.98			
20	64QAM	1	99	21.09	20.95	21.09	22	1.5	
20	64QAM	50	0	20.09	19.98	20.03			
20	64QAM	50	24	20.19	20.07	20.07			
20	64QAM	50	50	20.16	20.12	20.11			
20	64QAM	100	0	20.02	19.93	20.01	21	2.5	
20	256QAM	1	0	18.11	17.98	18.00			
20	256QAM	1	49	18.04	18.03	18.09			
20	256QAM	1	99	17.96	17.84	17.88			
20	256QAM	50	0	17.76	17.73	17.78	19	4.5	
20	256QAM	50	24	17.88	17.87	17.99			
20	256QAM	50	50	18.07	17.94	18.09			
20	256QAM	100	0	18.02	17.91	17.95			
Channel									
Frequency (MHz)				2577.5 <th>26000<th>26125<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	26000 <th>26125<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	26125 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.92	22.90	22.87	23.5	0	
15	QPSK	1	37	22.80	22.80	22.81			
15	QPSK	1	74	22.78	22.82	22.83			
15	QPSK	36	0	21.86	21.88	21.84			
15	QPSK	36	20	21.94	21.90	21.85	23	0.5	
15	QPSK	36	39	21.94	22.01	21.92			
15	QPSK	72	0	21.75	21.76	21.70			
15	16QAM	1	0	22.06	22.06	22.11			
15	16QAM	1	37	22.07	21.92	22.09	23	0.5	
15	16QAM	1	74	21.80	21.81	21.86			
15	16QAM	36	0	20.88	20.89	20.86			
15	16QAM	36	20	21.08	20.95	20.99			
15	16QAM	36	39	21.04	20.89	20.93	22	1.5	
15	16QAM	75	0	20.74	20.74	20.83			
15	64QAM	1	0	20.77	20.70	20.82			
15	64QAM	1	37	20.81	20.84	20.85			
15	64QAM	1	74	21.01	20.80	20.94	22	1.5	
15	64QAM	36	0	19.99	19.84	19.88			
15	64QAM	36	20	20.09	20.04	19.95			
15	64QAM	36	39	20.11	20.05	20.05			
15	64QAM	75	0	19.80	19.80	19.87	21	2.5	
15	256QAM	1	0	18.01	17.92	17.91			
15	256QAM	1	37	17.96	17.82	17.84			
15	256QAM	1	74	17.88	17.82	17.84			
15	256QAM	36	0	17.72	17.64	17.68	19	4.5	
15	256QAM	36	20	17.78	17.76	17.87			
15	256QAM	36	39	18.02	17.91	17.95			
15	256QAM	75	0	17.91	17.77	17.84			
Channel									
Frequency (MHz)				25975 <th>25995<th>26015<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	25995 <th>26015<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	26015 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.85	22.86	22.85	23.5	0	
10	QPSK	1	25	22.84	22.84	22.85			
10	QPSK	1	49	22.73	22.79	22.75			
10	QPSK	25	0	21.92	21.99	21.83			
10	QPSK	25	12	21.93	21.82	21.84	23	0.5	
10	QPSK	25	25	22.03	21.98	21.91			
10	QPSK	50	0	21.71	21.84	21.85			
10	16QAM	1	0	22.07	22.06	22.11			
10	16QAM	1	25	22.06	21.98	22.07	23	0.5	
10	16QAM	1	49	22.06	21.95	22.04			
10	16QAM	25	0	20.94	20.89	21.01			
10	16QAM	25	12	21.13	20.99	20.97			
10	16QAM	25	25	21.04	20.97	20.83	22	1.5	
10	16QAM	50	0	20.77	20.78	20.80			
10	64QAM	1	0	20.94	20.75	20.82			
10	64QAM	1	25	20.81	20.77	20.84			
10	64QAM	1	49	21.02	20.82	21.06	21	1.5	
10	64QAM	25	0	19.98	19.94	19.97			
10	64QAM	25	12	20.13	19.97	20.02			
10	64QAM	25	25	20.08	20.04	20.05			
10	64QAM	50	0	19.91	19.80	19.90	19	4.5	
10	256QAM	1	0	17.97	17.82	17.92			
10	256QAM	1	25	17.90	18.00	18.00			
10	256QAM	1	49	17.86	17.74	17.74			
10	256QAM	25	0	17.61	17.60	17.67	19	4.5	
10	256QAM	25	12	17.83	17.72	17.85			
10	256QAM	25	25	17.95	17.84	18.03			
10	256QAM	50	0	17.96	17.81	17.84			
Channel									
Frequency (MHz)				25775 <th>26000<th>26225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	26000 <th>26225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	26225 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.84	23.01	22.81	23.5	0	
5	QPSK	1	12	22.81	22.93	22.82			
5	QPSK	1	24	22.73	22.78	22.73			
5	QPSK	12	0	21.92	22.02	21.94			
5	QPSK	12	7	21.98	21.85	21.86	23	0.5	
5	QPSK	12	13	21.98	21.94	21.90			
5	QPSK	25	0	21.75	21.76	21.67			
5	16QAM	1	0	22.00	21.99	22.11			
5	16QAM	1	12	22.12	21.96	22.01	23	0.5	
5	16QAM	1	24	21.84	21.83	21.95			
5	16QAM	12	0	20.81	20.88	20.95			
5	16QAM	12	7	21.03	20.97	20.99			
5	16QAM	12	13	21.02	20.96	20.93	22	1.5	
5	16QAM	25	0	20.75	20.81	20.89			
5	64QAM	1	0	20.82	20.76	20.80			
5	64QAM	1	24	20.99	20.89	20.99			
5	64QAM	12	0	19.98	19.84	19.98	22	1.5	
5	64QAM	12	7	20.12	20.00	20.02			
5	64QAM	12	13	20.05	20.01	20.02			
5	64QAM	25	0	19.94	19.86	19.87			
5	256QAM	1	0	17.98	17.81	17.83	19	4.5	
5	256QAM	1	12	17.99	17.82	18.02			
5	256QAM	1	24	17.85	17.80	17.73			
5	256QAM	12	0	17.63	17.61	17.73			
5	256QAM	12	7	17.85	17.84	17.84	19	4.5	
5	256QAM	12	13	17.95	17.81	18.01			
5	256QAM	25	0	17.89	17.82	17.82			

Band 38 Ant0 PC3 DSI6 Simultaneous									
BW [MHz]	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)									
20	QPSK	1	0	21.37	21.50	21.40	22	0	
20	QPSK	1	49	21.38	21.35	21.32			
20	QPSK	1	99	21.27	21.26	21.37			
20	QPSK	50	0	21.34	21.47	21.34			
20	QPSK	50	24	21.35	21.40	21.34	22	0	
20	QPSK	50	50	21.34	21.25	21.35			
20	QPSK	100	0	21.34	21.43	21.36			
20	16QAM	1	0	21.36	21.35	21.35			
20	16QAM	1	49	21.38	21.35	21.33	22	0	
20	16QAM	1	99	21.36	21.29	21.40			
20	16QAM	50	0	20.91	20.95	21.09	21.5	0.5	
20	16QAM	50	24	21.16	21.04	21.03			
20	16QAM	50	49	21.17	21.04	20.97			
20	16QAM	100	0	20.83	20.85	20.95			
20	64QAM	1	0	20.89	20.81	20.88	21.5	0.5	
20	64QAM	1	49	20.90	20.89	20.98			
20	64QAM	1	99	21.00	20.95	21.09	21	1	
20	64QAM	50	24	20.16	20.12	20.11			
20	64QAM	100	0	20.81	20.83	20.91			
20	256QAM	1	0	18.11	17.88	18.00			
20	256QAM	1	49	18.04	18.03	18.09	19	3	
20	256QAM	1	99	17.96	17.84	17.88			
20	256QAM	50	0	17.76	17.73	17.82	19	3	
20	256QAM	50	24	17.68	17.71	17.69			
20	256QAM	50	50	18.07	17.94	18.08			
20	256QAM	100	0	18.02	17.91	18.15			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.33	21.48	21.39	22	0	
15	QPSK	1	37	21.43	21.32	21.38			
15	QPSK	1	74	21.30	21.25	21.38			
15	QPSK	36	20	21.38	21.43	21.36			
15	QPSK	36	20	21.32	21.26	21.37	22	0	
15	QPSK	75	0	21.31	21.47	21.41			
15	16QAM	1	21	21.35	21.40	21.33			
15	16QAM	1	37	21.35	21.35	21.36			
15	16QAM	1	74	21.36	21.39	21.35	21.5	0.5	
15	16QAM	36	0	20.88	20.80	21.04			
15	16QAM	36	20	21.08	20.95	20.99			
15	16QAM	36	39	21.04	20.89	20.93			
15	16QAM	75	0	20.74	20.74	20.83	21	1	
15	64QAM	1	0	20.77	20.70	20.82			
15	64QAM	1	37	20.81	20.80	20.84			
15	64QAM	1	74	21.01	20.80	20.94			
15	64QAM	36	0	19.99	19.84	19.88	19	3	
15	64QAM	36	20	20.09	20.04	19.95			
15	64QAM	36	39	20.10	19.95	19.96			
15	64QAM	75	0	19.90	19.90	19.97			
15	256QAM	1	0	18.01	17.92	17.91	19	3	
15	256QAM	1	37	17.96	17.92	18.04			
15	256QAM	1	74	17.88	17.80	17.81			
15	256QAM	36	20	17.88	17.84	17.88			
15	256QAM	36	20	17.78	17.76	17.87	19	3	
15	256QAM	36	39	18.02	17.91	17.95			
15	256QAM	75	0	17.77	17.77	17.84			
15	256QAM	75	0	17.79	17.79	17.84			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.34	21.44	21.35	22	0	
10	QPSK	1	25	21.39	21.33	21.34			
10	QPSK	1	49	21.32	21.25	21.37			
10	QPSK	25	0	21.36	21.43	21.36			
10	QPSK	25	12	21.36	21.39	21.30	22	0	
10	QPSK	25	25	21.35	21.30	21.38			
10	QPSK	50	0	21.33	21.45	21.38			
10	16QAM	1	0	21.39	21.41	21.33			
10	16QAM	1	25	21.39	21.37	21.34	22	0	
10	16QAM	1	49	21.35	21.30	21.37			
10	16QAM	25	12	21.13	20.99	20.99			
10	16QAM	25	25	21.04	20.97	20.83			
10	16QAM	50	0	20.77	20.78	20.80	21.5	0.5	
10	64QAM	1	0	20.84	20.73	20.86			
10	64QAM	1	25	20.81	20.77	20.94			
10	64QAM	1	49	21.02	20.82	21.06			
10	64QAM	25	0	19.98	19.94	19.97	21	1	
10	64QAM	25	12	20.13	19.97	20.05			
10	64QAM	25	25	20.08	20.05	20.05			
10	64QAM	50	0	19.91	19.80	19.90			
10	256QAM	1	0	17.97	17.92	17.92	19	3	
10	256QAM	1	25	17.90	18.00	18.00			
10	256QAM	1	49	17.86	17.86	17.74			
10	256QAM	25	0	17.61	17.60	17.67			
10	256QAM	25	12	17.83	17.72	17.85	19	3	
10	256QAM	25	25	17.95	17.84	18.03			
10	256QAM	50	0	17.96	17.96	17.81			
10	256QAM	50	0	17.96	17.96	17.81			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.37	21.45	21.40	22	0	
5	QPSK	1	0	21.44	21.41	21.36			
5	QPSK	12	0	21.29	21.27	21.41			
5	QPSK	12	7	21.38	21.40	21.31			
5	QPSK	12	13	21.35	21.29	21.33	22	0	
5	QPSK	25	0	21.33	21.47	21.41			
5	16QAM	1	0	21.37	21.32	21.35			
5	16QAM	1	12	21.34	21.34	21.33			
5	16QAM	1	24	21.37	21.32	21.36	21.5	0.5	
5	16QAM	12	0	20.81	20.88	20.95			
5	16QAM	12	7	21.03	20.97	20.99			
5	16QAM	12	13	21.02	20.86	20.83			
5	16QAM	25	0	20.75	20.81	20.69	21	1	
5	16QAM	25	0	20.82	20.73	20.75			
5	64QAM	1	12	20.82	20.76	20.93			
5	64QAM	1	24	20.99	20.89	20.99			
5	64QAM	12	0	18.86	18.84	19.08	21	1	
5	64QAM	12	7	20.05	20.01	20.07			
5	64QAM	12	13	20.05	20.01	20.07			
5	64QAM	25	0	19.94	19.86	19.87			
5	256QAM	1	0	17.88	17.91	17.83	19	3	
5	256QAM	1	0	17.99	17.92	18.02			
5	256QAM	1	24	17.85	17.80	17.73			
5	256QAM	12	0	17.63	17.81	17.73			
5	256QAM	12	7	17.85	17.84	17.94	19	3	
5	256QAM	12	13	17.85	17.81	17.82			
5	256QAM	25	0	17.89	17.82	17.81			
5	256QAM	25	0	17.89	17.82	17.81			

Band 38 Ant0 PC2 DS16 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (min)	MPR (dB)		
Channel				37860	38000	38150				
Frequency (MHz)				37860	38000	38150				
20	QPSK	1	0	22.42	22.52	22.38	23.6	0		
20	QPSK	1	49	22.47	22.34	22.28				
20	QPSK	1	99	22.34	22.53	22.18				
20	QPSK	50	0	22.38	22.41	22.52	23.6	0		
20	QPSK	50	24	22.33	22.30	22.18				
20	QPSK	50	50	22.23	22.34	22.27				
20	HQAM	1	0	22.32	22.32	22.32	23.6	0		
20	HQAM	1	49	22.27	22.28	22.12				
20	HQAM	1	99	22.29	22.57	22.16				
20	HQAM	50	0	22.18	22.27	22.12	23.6	0		
20	HQAM	50	24	22.28	22.21	22.24				
20	HQAM	50	50	22.26	22.16	22.05				
20	HQAM	100	0	22.12	22.16	22.11	23.6	0		
20	HQAM	1	0	22.28	22.21	22.18				
20	HQAM	1	49	22.25	22.20	22.21				
20	HQAM	1	99	22.13	22.12	21.98	23.6	0		
20	HQAM	50	24	22.22	22.25	22.21				
20	HQAM	50	50	22.12	22.18	22.04				
20	SSBQAM	1	0	21.80	20.89	20.94	22	1.6		
20	SSBQAM	1	49	21.83	20.97	21.62				
20	SSBQAM	1	99	20.90	20.84	20.98				
20	SSBQAM	50	0	20.90	20.92	20.92	22	1.6		
20	SSBQAM	50	24	21.04	21.06	21.10				
20	SSBQAM	50	50	21.05	20.88	20.90				
20	SSBQAM	100	0	21.07	20.97	21.63				
Channel				37860	38000	38150	Tune-up Int. (min)		MPR (dB)	
Frequency (MHz)				37860	38000	38150				
15	QPSK	1	0	22.38	22.47	22.34	23.6	0		
15	QPSK	1	37	22.41	22.29	22.63				
15	QPSK	1	74	22.28	22.30	22.12				
15	QPSK	36	0	22.38	22.38	22.18	23.6	0		
15	QPSK	36	20	22.28	22.27	22.11				
15	QPSK	36	39	22.18	22.24	22.15				
15	QPSK	36	58	22.27	22.29	22.22	23.6	0		
15	HQAM	1	0	22.28	22.28	22.52				
15	HQAM	1	37	22.25	22.20	22.07				
15	HQAM	1	74	22.15	22.21	22.11	23.6	0		
15	HQAM	36	0	22.11	22.21	22.09				
15	HQAM	36	20	22.20	22.17	22.02				
15	HQAM	36	39	22.12	22.12	21.90	23.6	0		
15	HQAM	75	0	22.11	22.10	22.06				
15	HQAM	75	15	22.23	22.15	22.11				
15	HQAM	1	37	22.17	22.17	22.17	23.6	0		
15	HQAM	1	74	22.07	22.07	21.98				
15	HQAM	36	0	22.24	22.18	22.51				
15	HQAM	36	20	22.14	22.23	22.22	23.6	0		
15	HQAM	36	39	22.00	22.15	22.01				
15	HQAM	75	0	22.07	22.04	22.02				
15	SSBQAM	1	0	20.92	20.81	20.80	22	1.6		
15	SSBQAM	1	37	20.86	20.90	20.86				
15	SSBQAM	1	74	20.71	20.79	20.89				
15	SSBQAM	36	0	20.86	20.85	20.85	22	1.6		
15	SSBQAM	36	20	21.00	21.03	21.04				
15	SSBQAM	36	39	20.90	20.82	20.85				
15	SSBQAM	75	0	20.97	20.94	21.00				
Channel				37860	38000	38150	Tune-up Int. (min)		MPR (dB)	
Frequency (MHz)				37860	38000	38150				
10	QPSK	1	0	22.36	22.44	22.30	23.6	0		
10	QPSK	1	25	22.45	22.27	22.23				
10	QPSK	1	50	22.38	22.28	22.12				
10	QPSK	25	0	22.32	22.38	22.20	23.6	0		
10	QPSK	25	12	22.28	22.28	22.11				
10	QPSK	25	25	22.19	22.21	22.15				
10	QPSK	50	0	22.20	22.26	22.10	23.6	0		
10	HQAM	1	0	22.34	22.34	22.34				
10	HQAM	1	25	22.25	22.23	22.07				
10	HQAM	1	49	22.19	22.20	22.10	23.6	0		
10	HQAM	25	0	22.10	22.19	22.09				
10	HQAM	25	12	22.24	22.19	22.18				
10	HQAM	50	25	22.14	22.11	21.98	23.6	0		
10	HQAM	75	0	22.05	22.09	22.06				
10	HQAM	1	0	22.24	22.14	22.12	23.6	0		
10	HQAM	1	25	22.18	22.12	22.14				
10	HQAM	1	49	22.08	22.08	21.91				
10	HQAM	25	0	22.22	22.17	22.10	23.6	0		
10	HQAM	25	12	22.15	22.18	22.21				
10	HQAM	25	25	22.09	22.16	22.01				
10	HQAM	50	0	22.07	22.06	22.05	22	1.6		
10	HQAM	50	25	20.95	20.85	20.88				
10	SSBQAM	1	25	20.91	20.92	20.90				
10	SSBQAM	1	49	20.71	20.74	20.81	22	1.6		
10	SSBQAM	25	0	20.98	20.84	20.87				
10	SSBQAM	25	12	20.90	20.97	21.05				
10	SSBQAM	25	25	20.91	20.79	20.85				
10	SSBQAM	50	0	21.01	20.90	20.89				
Channel				37860	38000	38150	Tune-up Int. (min)		MPR (dB)	
Frequency (MHz)				37860	38000	38150				
5	QPSK	1	0	22.39	22.49	22.32	23.6	0		
5	QPSK	1	12	22.40	22.25	22.20				
5	QPSK	1	24	22.28	22.28	22.14				
5	QPSK	12	0	22.37	22.30	22.24	23.6	0		
5	QPSK	12	6	22.27	22.28	22.13				
5	QPSK	12	13	22.17	22.19	22.10				
5	QPSK	25	0	22.25	22.26	22.24	23.6	0		
5	HQAM	1	0	22.29	22.30	22.31				
5	HQAM	1	12	22.18	22.20	22.14				
5	HQAM	12	0	22.11	22.21	22.06	23.6	0		
5	HQAM	12	6	22.24	22.13	22.18				
5	HQAM	12	13	22.10	22.18	21.89				
5	HQAM	25	0	22.09	22.10	22.04	23.6	0		
5	HQAM	25	6	22.29	22.14	22.14				
5	HQAM	25	13	22.21	22.18	22.18				
5	HQAM	50	0	22.09	22.09	22.03	23.6	0		
5	HQAM	50	13	22.23	22.18	22.21				
5	HQAM	75	0	22.06	22.24	22.19				
5	SSBQAM	1	12	20.85	20.91	20.98	22	1.6		
5	SSBQAM	1	24	20.73	20.74	20.85				
5	SSBQAM	12	0	20.83	20.83	20.81				
5	SSBQAM	12	13	20.83	20.83	20.81	22	1.6		
5	SSBQAM	25	0	21.03	20.91	21.07				
5	SSBQAM	25	13	20.93	20.93	20.93				



Band 41 PC3 DSI6 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power Phase Mod Ch / Freq	Power High Ch / Freq	Power Phase Mod Ch / Freq	Power High Ch / Freq	Turn-up test (dBm)	MPE (dB)			
Channel														
Frequency (MHz)														
30	QPSK	1	0	21.33	21.44	21.57	21.48	21.34	21.34	22	0			
30	QPSK	1	49	21.43	21.51	21.44	21.45	21.48	21.48					
30	QPSK	1	98	21.47	21.43	21.37	21.48	21.38	21.38					
30	QPSK	50	0	21.33	21.43	21.54	21.44	21.38	21.38	22	0			
30	QPSK	50	49	21.43	21.47	21.41	21.44	21.43	21.43					
30	QPSK	50	98	21.44	21.43	21.37	21.45	21.48	21.48					
30	QPSK	100	0	21.38	21.42	21.54	21.48	21.38	21.38	22	0			
30	16QAM	1	147	21.42	21.47	21.41	21.44	21.44	21.44					
30	16QAM	1	99	21.53	21.44	21.44	21.44	21.48	21.48					
30	16QAM	50	0	20.93	20.91	20.91	20.91	20.88	20.88	21.5	0.5			
30	16QAM	50	34	20.89	20.78	20.83	20.89	20.88	20.88					
30	16QAM	50	69	20.91	20.74	20.75	20.93	20.85	20.85					
30	16QAM	100	0	20.93	20.98	20.96	20.97	20.98	20.98	21	1			
30	16QAM	1	0	20.79	20.88	20.81	20.89	20.78	20.78					
30	16QAM	1	99	21.05	20.91	20.98	20.93	21.10	21.10					
30	16QAM	50	0	19.93	19.90	19.85	19.84	19.80	19.80	19	3			
30	16QAM	50	34	19.89	19.78	19.83	19.95	19.88	19.88					
30	16QAM	50	69	19.91	19.74	19.75	19.93	19.85	19.85					
30	256QAM	1	49	18.00	17.85	17.87	17.87	17.82	17.82	22	1.8			
30	256QAM	1	99	17.86	18.02	17.81	18.02	17.83	17.83					
30	256QAM	50	0	17.88	18.03	17.85	18.02	18.01	18.01					
30	256QAM	50	34	17.92	17.86	17.88	17.92	17.86	17.86	22	1.8			
30	256QAM	50	69	18.20	18.11	18.13	18.27	18.28	18.28					
30	256QAM	100	0	18.06	18.09	18.06	18.10	18.01	18.01					
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.03	21.04	21.03	21.03	21.03	21.03	22.00	0			
15	QPSK	1	49	21.00	21.06	21.00	21.06	21.00	21.00					
15	QPSK	1	97	21.00	21.03	21.02	21.07	21.00	21.00					
15	QPSK	1	14	21.03	21.08	21.08	21.09	21.08	21.08	22	0			
15	QPSK	36	0	21.03	21.03	21.03	21.03	21.03	21.03					
15	QPSK	36	36	21.07	21.09	21.02	21.03	21.07	21.07					
15	QPSK	36	72	21.07	21.09	21.02	21.03	21.07	21.07	22	0			
15	QPSK	36	108	21.03	21.03	21.03	21.03	21.03	21.03					
15	QPSK	36	144	21.09	21.02	21.09	21.09	21.09	21.09					
15	16QAM	1	0	21.22	21.08	21.04	21.08	21.23	21.23	22	0			
15	16QAM	1	37	21.29	21.32	21.48	21.38	21.28	21.28					
15	16QAM	1	74	21.33	21.30	21.41	21.33	21.38	21.38					
15	16QAM	36	0	20.87	20.78	20.84	20.80	20.78	20.78	21.5	0.5			
15	16QAM	36	36	20.83	20.72	20.88	20.80	20.78	20.78					
15	16QAM	36	72	20.88	20.81	20.88	20.86	20.72	20.72					
15	16QAM	36	108	20.80	20.88	20.81	20.88	20.85	20.85	21.5	0.5			
15	16QAM	36	144	20.87	20.82	20.77	20.77	20.83	20.83					
15	16QAM	1	37	20.51	20.86	20.50	20.89	21.04	21.04					
15	16QAM	1	74	20.51	20.86	20.50	20.89	21.04	21.04	21	1			
15	16QAM	1	111	20.51	20.86	20.50	20.89	21.04	21.04					
15	16QAM	36	0	19.89	19.98	19.87	19.79	19.98	19.98					
15	16QAM	36	36	20.00	20.00	19.99	19.95	20.11	20.11	21	1			
15	16QAM	36	72	19.93	19.83	19.89	19.80	19.91	19.91					
15	16QAM	36	108	19.89	19.90	19.79	19.84	19.89	19.89					
15	256QAM	1	0	17.86	17.78	17.82	17.87	17.82	17.82	19	3			
15	256QAM	1	126	17.86	17.78	17.82	17.87	17.82	17.82					
15	256QAM	1	252	17.86	17.78	17.82	17.87	17.82	17.82					
15	256QAM	1	74	17.81	17.86	17.80	17.84	17.88	17.88	22	1.8			
15	256QAM	36	0	17.84	17.94	17.86	17.92	17.86	17.86					
15	256QAM	36	36	17.89	17.91	17.77	17.88	17.80	17.80					
15	256QAM	36	72	18.15	18.01	18.00	18.22	18.18	18.18	22	1.8			
15	256QAM	36	108	18.00	18.01	17.99	18.20	18.10	18.10					
15	256QAM	75	0	17.86	18.01	17.83	18.00	17.81	17.81					
15	256QAM	75	36	17.86	18.01	17.83	18.00	17.81	17.81					
15	256QAM	75	72	17.86	18.01	17.83	18.00	17.81	17.81					
Channel														
Frequency (MHz)														
30	QPSK	1	0	21.23	21.36	21.47	21.40	21.23	21.23	22.00	0			
30	QPSK	1	25	21.39	21.44	21.35	21.32	21.40	21.40					
30	QPSK	1	50	21.51	21.30	21.37	21.40	21.38	21.38					
30	QPSK	25	0	21.23	21.30	21.43	21.34	21.25	21.25	22	0			
30	QPSK	25	12	21.42	21.38	21.41	21.35	21.41	21.41					
30	QPSK	25	25	21.39	21.32	21.39	21.34	21.37	21.37					
30	QPSK	50	0	21.27	21.30	21.45	21.37	21.25	21.25	22	0			
30	QPSK	50	25	21.39	21.32	21.39	21.34	21.37	21.37					
30	QPSK	50	50	21.47	21.35	21.32	21.33	21.39	21.39					
30	16QAM	1	25	21.41	21.35	21.32	21.33	21.39	21.39	22	0			
30	16QAM	1	49	21.35	21.37	21.33	21.40	21.27	21.27					
30	16QAM	1	97	20.83	20.81	20.79	20.88	20.78	20.78					
30	16QAM	25	0	20.89	20.84	20.83	20.81	20.78	20.78	21.5	0.5			
30	16QAM	25	25	20.83	20.83	20.80	20.86	20.84	20.84					
30	16QAM	1	0	20.70	20.78	20.71	20.78	20.68	20.68					
30	16QAM	1	99	20.89	20.78	20.73	20.77	20.82	20.82	21.5	0.5			
30	16QAM	25	0	19.85	20.02	19.87	19.81	20.04	20.04					
30	16QAM	25	25	20.01	20.00	19.99	19.98	20.13	20.13					
30	16QAM	25	50	19.95	19.87	19.88	19.91	19.91	19.91	21	1			
30	16QAM	50	0	19.97	19.87	19.79	19.89	19.91	19.91					
30	16QAM	50	25	17.94	17.76	17.77	17.95	17.91	17.91					
30	256QAM	1	25	17.86	17.80	17.86	17.80	17.89	17.89	19	3			
30	256QAM	1	99	17.82	17.80	17.82	17.80	17.80	17.80					
30	256QAM	25	0	17.89	17.81	17.87	17.87	17.86	17.86					
30	256QAM	25	12	17.86	17.78	17.81	17.78	17.86	17.86	19	3			
30	256QAM	25	25	18.07	18.04	18.00	18.16	18.18	18.18					
30	256QAM	50	0	17.98	18.03	17.96	17.98	17.97	17.97					
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.21	21.35	21.46	21.41	21.25	21.25	22.00	0			
5	QPSK	1	12	21.40	21.41	21.37	21.37	21.38	21.38					
5	QPSK	1	24	21.31	21.28	21.24	21.40	21.26	21.26					
5	QPSK	12	0	21.25	21.34	21.46	21.38	21.27	21.27	22	0			
5	QPSK	12	12	21.36	21.38	21.40	21.38	21.37	21.37					
5	QPSK	12	13	21.39	21.35	21.28	21.34	21.22	21.22					
5	QPSK	25	0	21.25	21.33	21.43	21.41	21.28	21.28	22	0			
5	16QAM	1	0	21.28	21.37	21.38	21.32	21.26	21.26					
5	16QAM													
5	16QAM	1	12	21.41	21.35	21.32	21.32	21.38	21.38	22	0			
5	16QAM	1	24	21.34	21.31	21.27	21.39	21.31	21.31					
5	16QAM	12	0	21.82	20.81	20.76	20.88	20.82	20.82					
5	16QAM	12	12	21.86	20.82	20.77	20.85	20.79	20.79	21.5	0.5			
5	16QAM	12	13	21.88	20.80	20.75	20.83	20.77	20.77					
5	16QAM	12	14	21.89	20.81	20.73	20.80	20.77	20.77					
5	16QAM	25	0	20.85	20.85	20.85	20.81	20.91	20.91	21.5	0.5			
5	16QAM	25	12	20.85	20.85	20.85	20.81	20.91	20.91					
5	16QAM	25	13	20.85	20.85	20.85	20.81	20.91	20.91					
5	16QAM	1	0	20.85	20.80	20.81	20.86	20.81	20.81	21.5	0.5			
5	16QAM	1	12	20.84	20.82	20.79	20.79	20.72	20.72					
5	16QAM	12	0	19.88	20.02	19.88	19.78	19.94	19.94					
5	16QAM	12	12	20.00	20.00	19.99	19.95	20.02	20.02	21	1			
5	16QAM	12	13	20.00	20.00	19.99	19.95	20.02	20.02					
5	16QAM	12	14	20.00	20.00	19.99	19.95	20.02	20.02					
5	256QAM	1	0	19.84	19.84	19.82	19.83	19.88	19.88	19	3			
5	256QAM	1	12	17.90	17.71	17.76	17.93	17.82	17.82					
5	256QAM	1	24	17.92	17.82	17.71	17.91	17.82	17.82					
5	256QAM	1	36	17.92	17.88	17.77	17.94	17.88	17.88	19	3			
5	256QAM	1	48	17.92	17.88	17.77	17.94	17.88	17.88					
5	256QAM	12	0	17.78	17.79	17.74	17.79	17.88	17.88					
5	256QAM	12	13	18.15	18.03	18.08	18.13	18.20	18.20	19	3			
5	256QAM	12	14	17.98	17.89	17.82	17.92	17.82	17.82					
5	256QAM	12	15	17.78	17.79	17.74	17.79	17.88	17.88					

Band 2 Ant1 DSI 6 Standalone														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up Init. (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.10	21.22	20.96	22.1	0						
20	QPSK	1	49	20.98	21.12	21.03								
20	QPSK	1	99	20.94	20.99	21.01								
20	QPSK	50	0	20.90	21.07	20.98								
20	QPSK	50	24	20.79	20.81	20.80	22.1	0						
20	QPSK	50	50	20.90	21.08	20.98								
20	QPSK	100	0	20.89	20.91	20.90								
20	16QAM	1	0	20.90	21.04	20.97								
20	16QAM	1	99	20.85	20.97	20.91	22.1	0						
20	16QAM	1	49	20.82	20.95	20.90								
20	16QAM	50	0	20.80	20.90	20.92								
20	16QAM	50	24	20.92	20.97	20.96								
20	16QAM	50	50	20.85	20.89	20.93	22	0.1						
20	16QAM	100	0	20.85	21.00	20.99								
20	16QAM	1	0	20.80	20.87	20.92								
20	16QAM	1	49	20.93	20.99	20.94								
20	16QAM	50	0	20.82	20.91	20.95	22	0.1						
20	16QAM	50	0	19.74	19.57	19.60								
20	16QAM	50	24	19.80	19.89	19.84								
20	16QAM	50	50	19.72	19.72	19.88								
20	16QAM	100	0	19.58	19.58	19.61	19	3.1						
20	16QAM	1	99	17.50	17.58	17.51								
20	256QAM	1	0	17.57	17.64	17.60								
20	256QAM	1	49	17.67	17.67	17.74								
20	256QAM	1	99	17.50	17.58	17.51								
20	256QAM	50	0	17.39	17.29	17.42								
20	256QAM	50	24	17.48	17.49	17.40								
20	256QAM	50	50	17.29	17.35	17.46	19	3.1						
20	256QAM	100	0	17.57	17.65	17.59								
Channel														
Frequency (MHz)														
16	QPSK	1	0	18.57	18.60	18.62					22.1	0		
16	QPSK	1	37	21.03	21.07	20.85								
16	QPSK	1	74	20.83	21.01	20.91								
16	QPSK	36	0	20.74	20.96	20.84								
16	QPSK	36	36	20.79	20.79	20.79	22.1	0						
16	QPSK	36	36	20.77	21.00	20.88								
16	QPSK	75	0	20.78	20.97	20.87								
16	16QAM	36	0	20.83	20.76	20.76								
16	16QAM	1	37	20.69	20.90	20.85	22.1	0						
16	16QAM	1	74	20.77	20.77	20.81								
16	16QAM	36	0	20.64	20.76	20.68								
16	16QAM	36	20	20.78	20.93	20.87								
16	16QAM	36	20	20.74	20.91	20.84	22	0.1						
16	16QAM	75	0	20.78	20.91	20.79								
16	16QAM	1	0	20.64	20.76	20.68								
16	16QAM	1	37	20.86	20.94	20.94								
16	16QAM	1	74	20.72	20.77	20.81	21	1.1						
16	16QAM	36	0	19.69	19.50	19.47								
16	16QAM	36	20	19.73	19.69	19.72								
16	16QAM	36	36	19.57	19.57	19.51								
16	16QAM	75	0	19.46	19.48	19.51	19	3.1						
16	256QAM	1	37	17.61	17.61	17.52								
16	256QAM	1	37	17.42	17.49	17.45								
16	256QAM	36	0	17.33	17.33	17.38								
16	256QAM	36	20	17.34	17.44	17.39	19	3.1						
16	256QAM	36	36	17.22	17.26	17.41								
16	256QAM	75	0	17.52	17.43	17.49								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.67	20.76	20.75					22.1	0		
10	QPSK	1	25	20.87	21.00	20.93								
10	QPSK	1	49	20.87	20.84	20.87								
10	QPSK	25	0	20.76	20.88	20.75								
10	QPSK	25	12	20.70	20.88	20.75	22.1	0						
10	QPSK	25	25	20.82	20.87	20.84								
10	QPSK	50	0	20.79	20.90	20.84								
10	16QAM	1	0	20.82	20.99	20.77								
10	16QAM	1	26	20.68	20.80	20.76	22.1	0						
10	16QAM	1	49	20.71	20.81	20.81								
10	16QAM	25	0	20.74	20.79	20.80								
10	16QAM	25	12	20.82	20.91	20.84								
10	16QAM	50	0	20.74	20.76	20.88	22	0.1						
10	16QAM	50	24	20.74	20.78	20.88								
10	16QAM	50	50	20.75	20.90	20.79								
10	16QAM	1	0	20.76	20.73	20.84								
10	16QAM	1	49	20.75	20.76	20.84	21	1.1						
10	16QAM	25	0	19.62	19.51	19.56								
10	16QAM	25	12	19.65	19.67	19.59								
10	16QAM	50	0	19.51	19.57	19.59								
10	256QAM	1	26	17.47	17.47	17.56	19	3.1						
10	256QAM	1	26	17.57	17.60	17.61								
10	256QAM	1	49	17.40	17.47	17.56								
10	256QAM	25	0	17.33	17.35	17.36								
10	256QAM	25	12	17.31	17.38	17.36	19	3.1						
10	256QAM	25	25	17.22	17.21	17.41								
10	256QAM	50	0	17.44	17.49	17.46								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.01	21.11	20.95					22.1	0		
5	QPSK	1	12	20.93	21.00	20.96								
5	QPSK	1	24	20.78	20.91	20.90								
5	QPSK	12	0	20.82	20.91	20.87								
5	QPSK	12	7	20.63	20.79	20.74	22.1	0						
5	QPSK	12	13	20.80	20.91	20.84								
5	QPSK	25	0	20.83	20.86	20.78								
5	16QAM	1	0	20.81	20.99	20.82								
5	16QAM	1	12	20.77	20.85	20.75	22.1	0						
5	16QAM	1	24	20.73	20.81	20.77								
5	16QAM	12	0	20.71	20.80	20.88								
5	16QAM	12	7	20.61	20.84	20.85								
5	16QAM	12	13	20.76	20.75	20.77	22	0.1						
5	16QAM	25	0	20.77	20.94	20.75								
5	16QAM	1	0	20.65	20.82	20.67								
5	16QAM	1	12	20.77	20.81	20.89								
5	16QAM	1	24	20.74	20.79	20.88	21	1.1						
5	16QAM	12	0	19.67	19.44	19.48								
5	16QAM	12	7	19.69	19.67	19.69								
5	16QAM	12	13	19.56	19.54	19.52								
5	16QAM	25	0	19.44	19.52	19.45	19	3.1						
5	256QAM	1	0	17.43	17.58	17.55								
5	256QAM	1	12	17.58	17.60	17.59								
5	256QAM	1	24	17.44	17.53	17.40								
5	256QAM	12	0	17.30	17.21	17.28	19	3.1						
5	256QAM	12	7	17.39	17.44	17.34								
5	256QAM	12	13	17.27	17.28	17.48								
5	256QAM	25	0	17.45	17.45	17.45								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.03	21.13	20.96	22.1	0						
3	QPSK	1	8	20.91	20.99	20.99								
3	QPSK	1	16	20.80	20.91	20.91								
3	QPSK	8	0	20.76	21.00	20.88								
3	QPSK	8	8	20.72	20.78	20.78	22.1	0						
3	QPSK	8	16	20.77	20.78	20.78								
3	QPSK	15	0	20.81	20.79	20.74								
3	16QAM	8	0	20.84	20.98	20.75								
3	16QAM	8	8	20.78	20.91	20.81	22.1	0						
3	16QAM	15	0	20.72	20.83	20.80								
3	16QAM	8	8	20.72	20.84	20.77								
3	16QAM	8	16	20.75	20.81	20.81								
3	16QAM	8	7	20.73	20.81	20.80	22	0.1						
3	16QAM	15	0	20.79	20.93	20.81								
3	16QAM	8	7	20.67	20.72	20.74								
3	16QAM	8	16	20.87	20.87	20.87								
3	16QAM	1	8	20.67	20.76	20.67	22	0.1						
3	16QAM	1	14	20.87	20.85	20.83								
3	16QAM	8	4	19.66	19.64	19.55								
3	16QAM	8	8	19.60	19.43	19.53								
3	16QAM	15	0	19.49	19.51	19.53	21	1.1						
3	256QAM	1	0	17.47	17.61	17.48								
3	256QAM	1	8	17.63	17.63	17.63								
3	256QAM	1	14	17.57	17.57	17.57								
3	256QAM	8	0	17.30	17.17	17.38	19	3.1						
3	256QAM	8	8	17.32	17.32	17.32								
3	256QAM	8	7	17.19	17.28	17.34								
3	256QAM	15	0	17.44	17.48	17.48								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.01	21.17	20.90	22.1	0						
1.4	QPSK	1	8	20.91	20.99	20.99								
1.4	QPSK	1	16	20.82	21.02	21.01								
1.4	QPSK	3	0	20.85	20.96	20.89								
1.4	QPSK	3	8	20.81	20.91	20.89	22.1	0						
1.4	QPSK	3	16	20.79	21.01	21.01								
1.4	QPSK	6	0	20.82	20.81	20.81								
1.4	QPSK	6	8	20.82	20.86	20.86								
1.4	16QAM	1	0	20.88	20.98	20.90	22.1	0						
1.4	16QAM	1	8	20.78	20.85	20.88								
1.4	16QAM	3	0	20.79	20.78	20.78								
1.4	16QAM	3	8	20.86	20.83	20.84								
1.4	16QAM	3	16	20.72	20.74	20.74	22	0.1						
1.4	16QAM	6	0	20.82	20.82	20.83								
1.4	16QAM	6	8	20.72	20.72	20.72								
1.4	16QAM	6	16	20.89	20.82	20.81								
1.4	16QAM	3	0	20.69	20.82	20.69	22	0.1						
1.4	16QAM	3	8	20.64	20.69	20.68								
1.4	16QAM	3	16	20.67	20.67	20.67								
1.4	16QAM	6	0	19.52	19.49	19.46								
1.4	16QAM	6	8	17.43	17.50	17.54								
1.4	16QAM	6	16	17.47	17.47	17.48								
1.4	16QAM	1	8	17.36	17.37	17.43	19	3.1						
1.4	16QAM	1	16	17.32	17.15	17.38								
1.4	16QAM	1	24	17.27	17.27	17.27								
1.4	16QAM	3	13	17.13	17.24	17.38								
1.4	16QAM	3	24	17.33	17.33	17.33								
1.4	16QAM	6	13	17.41	17.41	17.41								



Band 4 Ant1 DS1 6 Standalone																	
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up Time (sec)	MPR (dB)									
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	20.88	20.88	20.79	21.0	0									
20	QPSK	1	49	20.73	20.80	20.80											
20	QPSK	1	99	20.88	20.88	20.88	21.0	0									
20	QPSK	50	0	20.79	20.80	20.75											
20	QPSK	50	24	20.58	20.75	20.82	21.0	0									
20	QPSK	50	50	20.70	20.68	20.54											
20	QPSK	100	0	20.71	20.75	20.68	21.0	0									
20	QPSK	100	0	20.68	20.67	20.65											
20	16QAM	1	49	20.50	20.50	20.82	21.0	0									
20	16QAM	1	99	20.61	20.73	20.55											
20	16QAM	50	0	20.51	20.46	20.53	21.0	0									
20	16QAM	50	24	20.41	20.40	20.45											
20	16QAM	50	50	20.44	20.46	20.54	21.0	0									
20	16QAM	100	0	20.44	20.35	20.45											
20	64QAM	1	0	20.52	20.41	20.45	21.0	0									
20	64QAM	1	49	20.29	20.22	20.24											
20	64QAM	1	99	20.27	20.22	20.24	21	0.0									
20	64QAM	50	0	19.55	19.35	19.39											
20	64QAM	50	24	19.59	19.53	19.35	21	0.0									
20	64QAM	100	0	19.39	19.33	19.30											
20	256QAM	1	49	17.37	17.27	17.31	19	2.0									
20	256QAM	1	99	17.32	17.22	17.19											
20	256QAM	50	0	17.42	17.44	17.42	19	2.0									
20	256QAM	50	24	17.44	17.33	17.35											
20	256QAM	50	50	17.29	17.27	17.22											
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	20.75	20.75	20.71	21.0	0									
20	QPSK	1	49	20.83	20.80	20.88											
20	QPSK	1	99	20.84	20.83	20.84	21.0	0									
20	QPSK	50	0	20.69	20.75	20.67											
20	QPSK	50	24	20.47	20.46	20.49	21.0	0									
20	QPSK	50	50	20.60	20.61	20.44											
20	QPSK	100	0	20.62	20.68	20.60	21.0	0									
20	QPSK	100	0	20.55	20.55	20.31											
20	16QAM	1	37	20.47	20.38	20.50	21.0	0									
20	16QAM	1	74	20.52	20.46	20.46											
20	16QAM	50	0	20.18	20.30	20.34	21.0	0									
20	16QAM	50	20	20.32	20.32	20.43											
20	16QAM	50	50	20.32	20.32	20.43	21.0	0									
20	16QAM	100	0	20.36	20.20	20.36											
20	64QAM	1	0	20.45	20.20	20.34	21	0.0									
20	64QAM	1	49	20.17	20.10	20.14											
20	64QAM	1	99	20.16	20.10	20.21	21	0.0									
20	64QAM	50	0	19.44	19.20	19.29											
20	64QAM	50	24	19.47	19.37	19.26	21	0.0									
20	64QAM	50	50	19.45	19.32	19.35											
20	64QAM	100	0	19.27	19.20	19.16	19	2.0									
20	256QAM	1	37	17.24	17.19	17.22											
20	256QAM	1	74	17.19	17.10	17.08	19	2.0									
20	256QAM	50	0	17.40	17.34	17.34											
20	256QAM	50	24	17.34	17.27	17.27	19	2.0									
20	256QAM	50	50	17.16	17.16	17.10											
20	256QAM	100	0	17.20	17.10	17.23											
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	20.75	20.75	20.71	21.0	0									
20	QPSK	1	25	20.81	20.68	20.49											
20	QPSK	1	49	20.60	20.65	20.53	21.0	0									
20	QPSK	1	99	20.70	20.68	20.67											
20	QPSK	25	13	20.46	20.62	20.43	21.0	0									
20	QPSK	25	25	20.62	20.60	20.43											
20	QPSK	50	0	20.65	20.65	20.48	21.0	0									
20	QPSK	50	0	20.57	20.49	20.37											
20	16QAM	1	25	20.63	20.57	20.52	21.0	0									
20	16QAM	1	49	20.69	20.65	20.48											
20	16QAM	25	0	20.22	20.30	20.37	21.0	0									
20	16QAM	25	12	20.31	20.34	20.46											
20	16QAM	50	0	20.33	20.36	20.47	21.0	0									
20	16QAM	50	0	20.37	20.32	20.35											
20	64QAM	1	0	20.40	20.24	20.38	21.0	0									
20	64QAM	1	49	20.20	20.13	20.17											
20	64QAM	1	99	20.14	20.10	20.24	21.0	0									
20	64QAM	25	0	19.44	19.31	19.27											
20	64QAM	25	12	19.48	19.38	19.35	21	0.0									
20	64QAM	50	0	19.47	19.30	19.35											
20	64QAM	50	0	19.29	19.24	19.21	19	2.0									
20	64QAM	50	24	19.47	19.31	19.36											
20	64QAM	100	0	19.28	19.21	19.22	19	2.0									
20	256QAM	1	0	17.23	17.17	17.18											
20	256QAM	1	25	17.28	17.18	17.23	19	2.0									
20	256QAM	1	25	17.40	17.28	17.34											
20	256QAM	12	0	17.41	17.36	17.38	19	2.0									
20	256QAM	12	7	17.26	17.23	17.26											
20	256QAM	12	13	17.40	17.28	17.34											
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	20.75	20.75	20.71	21.0	0									
20	QPSK	1	12	20.84	20.69	20.47											
20	QPSK	1	24	20.84	20.63	20.57	21.0	0									
20	QPSK	12	0	20.66	20.70	20.65											
20	QPSK	12	7	20.48	20.61	20.42	21.0	0									
20	QPSK	12	13	20.63	20.57	20.46											
20	QPSK	16	0	20.61	20.65	20.58	21.0	0									
20	QPSK	16	0	20.54	20.55	20.34											
20	16QAM	1	12	20.47	20.44	20.45	21.0	0									
20	16QAM	1	12	20.45	20.40	20.40											
20	16QAM	12	0	20.18	20.27	20.34	21.0	0									
20	16QAM	12	7	20.33	20.35	20.43											
20	16QAM	12	13	20.34	20.37	20.43	21.0	0									
20	16QAM	25	0	20.34	20.27	20.26											
20	64QAM	1	0	20.44	20.20	20.36	21.0	0									
20	64QAM	1	0	20.17	20.10	20.14											
20	64QAM	1	14	20.19	20.14	20.25	21.0	0									
20	64QAM	1	14	20.15	20.09	20.26											
20	64QAM	12	0	19.48	19.27	19.31	21	0.0									
20	64QAM	12	7	19.29	19.22	19.20											
20	64QAM	12	13	19.47	19.31	19.36	21	0.0									
20	64QAM	25	0	19.28	19.21	19.22											
20	256QAM	1	0	17.23	17.17	17.18	19	2.0									
20	256QAM	1	25	17.28	17.18	17.23											
20	256QAM	1	25	17.40	17.28	17.34	19	2.0									
20	256QAM	12	0	17.41	17.36	17.38											
20	256QAM	12	7	17.26	17.23	17.26	19	2.0									
20	256QAM	12	13	17.40	17.28	17.34											
20	256QAM	14	17.17	17.14	17.08												
Channel																	
Frequency (MHz)																	
3	QPSK	1	0	20.74	20.81	20.69	21.0	0									
3	QPSK	1	8	20.68	20.67	20.48											
3	QPSK	1	16	20.68	20.67	20.48	21.0	0									
3	QPSK	8	0	20.64	20.63	20.45											
3	QPSK	8	4	20.68	20.65	20.45	21.0	0									
3	QPSK	8	8	20.65	20.65	20.45											
3	QPSK	16	0	20.61	20.65	20.58	21.0	0									
3	QPSK	16	0	20.54	20.55	20.34											
3	16QAM	1	8	20.47	20.44	20.45	21.0	0									
3	16QAM	1	8	20.45	20.40	20.40											
3	16QAM	14	0	20.50	20.63	20.48	21.0	0									
3	16QAM	14	0	20.18	20.27	20.34											
3	16QAM	8	0	20.33	20.35	20.43	21.0	0									
3	16QAM	8	7	20.36	20.36	20.43											
3	16QAM	8	7	20.36	20.36	20.43	21.0	0									
3	16QAM	16	0	20.38	20.24	20.35											
3	16QAM	16	0	20.34	20.34	20.38	21.0	0									
3	16QAM	16	8	20.19	20.14	20.25											
3	64QAM	1	8	20.15	20.09	20.26	21	0.0									
3	64QAM	1	14	20.15	20.09	20.26											
3	64QAM	8	0	19.29	19.22	19.20	21	0.0									
3	64QAM	8	4	19.29	19.22	19.20											
3	256QAM	1	0	17.23	17.17	17.18	19	2.0									
3	256QAM	1	8	17.28	17.18	17.23											
3	256QAM	1	8	17.40	17.28	17.34	19	2.0									
3	256QAM	14	17.17	17.14	17.08												
3	256QAM	8	0	17.41	17.33	17.33	19	2.0									
3	256QAM	8	4	17.33	17.23	17.27											
3	256QAM	8	7	17.21	17.14	17.10											
Channel																	
Frequency (MHz)																	
3	QPSK	1	0	20.74	20.81	20.69	21.0	0									
3	QPSK	1	8	20.68	20.67	20.48											
3	QPSK	1	16	20.68	20.70	20.67	21.0	0									
3	QPSK	8	0	20.64	20.63	20.45											
3	QPSK	8	4	20.68	20.65	20.45	21.0	0									
3	QPSK	8	8	20.65	20.65	20.45											
3	QPSK	16	0	20.61	20.65	20.58	21.0	0									
3	QPSK	16	0	20.54	20.55	20.34											
3	16QAM	1	8	20.47	20.44	20.45	21.0	0									
3	16QAM	1	8	20.45	20.40	20.40											
3	16QAM	14	0	20.50	20.63	20.48	21.0	0									
3	16QAM	14	0	20.18	20.27	20.34											
3																	

Band 7 Ant1 DSI 6 Standalone														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power Mid Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Turn-up Int. (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	19.96	20.00	20.06	21.4	0						
20	QPSK	1	49	19.92	19.95	19.97								
20	QPSK	1	99	19.85	19.93	20.05								
20	QPSK	50	0	19.91	20.04	19.94								
20	QPSK	50	24	19.93	19.91	19.93	21.4	0						
20	QPSK	50	50	19.74	19.95	20.09								
20	QPSK	100	0	19.90	20.01	19.94								
20	16QAM	1	0	19.77	19.81	19.89								
20	16QAM	1	49	19.73	19.93	19.97	21.4	0						
20	16QAM	1	99	19.88	20.00	19.96								
20	16QAM	50	0	19.79	19.89	19.97								
20	16QAM	50	24	19.78	19.92	20.09								
20	16QAM	50	50	19.89	19.97	20.01	21	0.4						
20	16QAM	100	0	19.87	19.99	19.98								
20	64QAM	1	0	19.85	19.95	19.96								
20	64QAM	1	49	19.93	19.91	19.95								
20	64QAM	1	99	19.76	19.93	19.99	21	0.4						
20	64QAM	50	24	20.01	19.95	19.94								
20	64QAM	50	50	20.08	20.05	20.03								
20	64QAM	100	0	20.02	20.04	20.03								
20	256QAM	1	0	17.69	17.69	17.69	19	2.4						
20	256QAM	1	49	17.88	17.84	17.81								
20	256QAM	1	99	18.10	17.87	17.93								
20	256QAM	50	24	18.04	17.87	17.95								
20	256QAM	50	24	18.02	17.99	17.94	19	2.4						
20	256QAM	50	50	18.07	18.02	17.99								
20	256QAM	100	0	17.97	17.93	17.97								
Channel														
Frequency (MHz)														
15	QPSK	1	0	19.91	20.01	19.99	21.4	0						
15	QPSK	1	37	19.79	19.83	19.86								
15	QPSK	1	74	19.81	19.94	19.98								
15	QPSK	36	0	19.79	19.99	19.91								
15	QPSK	36	36	19.71	19.75	19.69	21.4	0						
15	QPSK	36	36	19.61	19.87	19.90								
15	QPSK	75	0	19.76	19.93	19.81								
15	16QAM	1	0	19.70	19.76	19.73								
15	16QAM	1	37	19.59	19.85	19.88	21.4	0						
15	16QAM	1	74	19.61	19.89	19.97								
15	16QAM	36	0	19.68	19.80	19.77								
15	16QAM	36	20	19.63	19.82	19.86								
15	16QAM	36	36	19.64	19.86	19.92	21.4	0						
15	16QAM	75	0	19.76	19.77	19.73								
15	64QAM	1	0	19.76	19.82	19.81								
15	64QAM	1	37	19.76	19.78	19.77								
15	64QAM	1	74	19.71	19.83	19.85	21	0.4						
15	64QAM	36	0	19.76	19.81	19.89								
15	64QAM	36	20	19.80	19.86	19.90								
15	64QAM	36	36	19.61	19.91	19.91								
15	64QAM	75	0	19.91	19.94	19.95	19	2.4						
15	256QAM	1	0	17.76	17.80	17.74								
15	256QAM	1	37	17.84	17.70	17.84								
15	256QAM	1	74	17.99	17.83	17.81								
15	256QAM	36	0	17.81	17.82	17.82	19	2.4						
15	256QAM	36	20	17.88	17.95	17.79								
15	256QAM	36	39	17.92	17.88	17.91								
15	256QAM	75	0	17.82	17.80	17.78								
Channel														
Frequency (MHz)														
10	QPSK	1	0	19.90	19.96	20.01	21.4	0						
10	QPSK	1	25	19.88	19.90	19.91								
10	QPSK	1	49	19.74	19.94	19.99								
10	QPSK	25	0	19.82	19.98	19.97								
10	QPSK	25	12	19.65	19.79	19.68	21.4	0						
10	QPSK	25	25	19.62	19.80	19.86								
10	QPSK	50	0	19.80	19.89	19.90								
10	16QAM	1	0	19.73	19.72	19.80								
10	16QAM	1	25	19.62	19.83	19.85	21.4	0						
10	16QAM	1	49	19.82	19.96	19.98								
10	16QAM	25	0	19.72	19.73	19.82								
10	16QAM	25	12	19.68	19.78	19.82								
10	16QAM	25	25	19.80	19.84	19.86	21.4	0						
10	16QAM	50	0	19.75	19.79	19.73								
10	64QAM	1	0	19.80	19.87	19.87								
10	64QAM	1	25	19.75	19.81	19.77								
10	64QAM	1	49	19.68	19.85	19.94	21	0.4						
10	64QAM	25	0	19.85	19.81	19.91								
10	64QAM	25	12	19.86	19.83	19.80								
10	64QAM	25	25	19.93	19.90	19.94								
10	256QAM	1	0	19.92	19.96	19.99	19	2.4						
10	256QAM	1	0	17.75	17.84	17.74								
10	256QAM	1	25	17.73	17.79	17.77								
10	256QAM	1	49	17.98	17.85	17.87								
10	256QAM	25	0	17.89	17.82	17.84	19	2.4						
10	256QAM	25	12	17.87	17.84	17.87								
10	256QAM	25	25	17.95	17.89	17.85								
10	256QAM	50	0	17.80	17.79	17.83								
Channel														
Frequency (MHz)														
5	QPSK	1	0	19.82	20.00	19.98	21.4	0						
5	QPSK	1	12	19.80	19.82	19.91								
5	QPSK	1	24	19.76	19.86	19.96								
5	QPSK	12	0	19.82	19.95	19.81								
5	QPSK	12	7	19.75	19.80	19.71	21.4	0						
5	QPSK	12	13	19.60	19.89	19.92								
5	QPSK	25	0	19.84	19.88	19.83								
5	16QAM	1	0	19.73	19.74	19.74								
5	16QAM	1	12	19.64	19.85	19.84	21.4	0						
5	16QAM	1	24	19.73	19.84	19.80								
5	16QAM	12	0	19.86	19.86	19.82								
5	16QAM	12	7	19.69	19.86	19.90								
5	16QAM	12	13	19.75	19.82	19.87	21.4	0						
5	16QAM	25	0	19.78	19.81	19.80								
5	64QAM	1	0	19.79	19.78	19.82								
5	64QAM	1	12	19.73	19.79	19.85								
5	64QAM	1	24	19.82	19.77	19.84	21	0.4						
5	64QAM	12	0	19.84	19.80	19.87								
5	64QAM	12	7	19.92	19.90	19.88								
5	64QAM	12	13	20.07	19.91	19.93								
5	256QAM	1	0	19.86	19.89	19.86	19	2.4						
5	256QAM	1	0	17.79	17.79	17.77								
5	256QAM	1	12	17.80	17.70	17.84								
5	256QAM	1	24	17.95	17.87	17.86	19	2.4						
5	256QAM	12	0	17.88	17.85	17.88								
5	256QAM	12	13	17.94	17.90	17.93								
5	256QAM	25	0	17.89	17.89	17.89								
Channel														
Frequency (MHz)														



Band 12 Ant1 DSI 6 Default power												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.52	24.61	24.44	25	0				
10	QPSK	1	26	24.58	24.54	24.52						
10	QPSK	1	49	24.48	24.44	24.46						
10	QPSK	25	0	23.54	23.65	23.57						
10	QPSK	25	12	23.58	23.54	23.60						
10	QPSK	25	26	23.45	23.61	23.49	24	1				
10	QPSK	50	0	23.34	23.45	23.27						
10	16QAM	1	0	23.72	23.71	23.78						
10	16QAM	1	26	23.79	23.78	23.53						
10	16QAM	1	49	23.70	23.61	23.80						
10	16QAM	1	79	23.70	23.61	23.80	24	1				
10	16QAM	25	0	22.45	22.49	22.42						
10	16QAM	25	12	22.28	22.27	22.32						
10	16QAM	25	26	22.42	22.25	22.36						
10	16QAM	50	0	22.19	22.19	22.19						
10	16QAM	1	0	22.59	22.61	22.61	23	2				
10	16QAM	1	26	22.70	22.67	22.73						
10	16QAM	1	49	22.51	22.52	22.48						
10	16QAM	25	0	21.45	21.46	21.41						
10	16QAM	25	12	21.48	21.50	21.55						
10	16QAM	25	26	21.31	21.52	21.38	23	2				
10	16QAM	50	0	21.45	21.42	21.41						
10	256QAM	1	0	19.72	19.61	19.71						
10	256QAM	1	26	19.83	19.77	19.86						
10	256QAM	1	49	19.61	19.54	19.62						
10	256QAM	25	0	19.56	19.54	19.55	20	5				
10	256QAM	25	12	19.81	19.85	19.88						
10	256QAM	25	26	19.58	19.58	19.56						
10	256QAM	50	0	19.60	19.57	19.57						
10	256QAM	50	0	19.74	19.72	19.73						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.48	24.60	24.38	25	0				
5	QPSK	1	26	24.58	24.52	24.48						
5	QPSK	1	24	24.44	24.43	24.42						
5	QPSK	12	0	23.49	23.64	23.54						
5	QPSK	12	7	23.57	23.62	23.59						
5	QPSK	12	13	23.41	23.59	23.47	24	1				
5	QPSK	25	0	23.31	23.42	23.22						
5	16QAM	1	0	23.68	23.75	23.75						
5	16QAM	1	12	23.78	23.75	23.49						
5	16QAM	12	0	23.61	23.62	23.65						
5	16QAM	12	0	22.40	22.39	22.37	23	2				
5	16QAM	12	7	22.24	22.25	22.29						
5	16QAM	25	0	22.16	22.14	22.19						
5	64QAM	1	0	22.65	22.58	22.59						
5	64QAM	1	26	22.61	22.57	22.62						
5	64QAM	1	24	22.49	22.52	22.48	22	3				
5	64QAM	12	0	21.45	21.42	21.38						
5	64QAM	12	7	21.39	21.40	21.40						
5	64QAM	12	13	21.31	21.29	21.34						
5	64QAM	25	0	21.44	21.37	21.40						
5	256QAM	1	0	19.51	19.65	19.55	20	5				
5	256QAM	1	12	19.65	19.77	19.69						
5	256QAM	1	24	19.59	19.63	19.57						
5	256QAM	12	0	19.62	19.64	19.64						
5	256QAM	12	7	19.84	19.86	19.87						
5	256QAM	12	13	19.51	19.48	19.62	20	5				
5	256QAM	25	0	19.75	19.77	19.77						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.49	24.62	24.43	25	0				
3	QPSK	1	8	24.58	24.48	24.49						
3	QPSK	1	14	24.46	24.44	24.42						
3	QPSK	8	0	23.53	23.62	23.53						
3	QPSK	8	8	23.50	23.52	23.61						
3	QPSK	8	7	23.43	23.43	23.49	24	1				
3	16QAM	1	0	23.58	23.68	23.48						
3	16QAM	1	0	23.72	23.69	23.72						
3	16QAM	1	8	23.79	23.78	23.54						
3	16QAM	1	16	23.68	23.75	23.76						
3	16QAM	8	0	22.43	22.39	22.38	23	2				
3	16QAM	8	4	22.21	22.29	22.29						
3	16QAM	8	0	22.37	22.33	22.38						
3	16QAM	16	0	22.16	22.13	22.20						
3	64QAM	1	0	22.69	22.67	22.61						
3	64QAM	1	8	22.67	22.64	22.74	22	3				
3	64QAM	1	14	22.51	22.47	22.44						
3	64QAM	8	0	21.42	21.42	21.41						
3	64QAM	8	4	21.45	21.43	21.50						
3	64QAM	8	7	21.31	21.27	21.28						
3	64QAM	15	0	21.38	21.40	21.38	20	5				
3	256QAM	1	0	19.62	19.73	19.61						
3	256QAM	1	8	19.62	19.77	19.65						
3	256QAM	1	14	19.70	19.62	19.56						
3	256QAM	8	0	19.56	19.57	19.54						
3	256QAM	8	4	19.81	19.79	19.85	20	5				
3	256QAM	8	7	19.58	19.57	19.57						
3	256QAM	15	0	19.75	19.74	19.74						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.52	24.52	24.53	25	0				
1.4	QPSK	1	3	24.57	24.50	24.49						
1.4	QPSK	1	5	24.49	24.41	24.43						
1.4	QPSK	3	0	23.49	23.59	23.46						
1.4	QPSK	3	1	23.58	23.47	23.53						
1.4	QPSK	3	3	23.40	23.45	23.49	24	1				
1.4	QPSK	6	0	23.31	23.45	23.27						
1.4	16QAM	1	0	23.68	23.67	23.77						
1.4	16QAM	1	3	23.80	23.75	23.51						
1.4	16QAM	1	8	23.65	23.75	23.74						
1.4	16QAM	3	0	22.44	22.38	22.42	24	1				
1.4	16QAM	3	1	22.21	22.23	22.30						
1.4	16QAM	3	1	22.30	22.33	22.30						
1.4	16QAM	6	0	22.14	22.17	22.15						
1.4	16QAM	1	0	22.57	22.55	22.54						
1.4	64QAM	1	3	22.69	22.62	22.67	23	2				
1.4	64QAM	1	6	22.47	22.48	22.42						
1.4	64QAM	3	0	21.42	21.44	21.42						
1.4	64QAM	3	1	21.41	21.50	21.55						
1.4	64QAM	3	3	21.31	21.29	21.34						
1.4	64QAM	3	0	21.46	21.42	21.41	22	3				
1.4	256QAM	1	0	19.65	19.64	19.70						
1.4	256QAM	1	3	19.74	19.79	19.72						
1.4	256QAM	1	5	19.58	19.52	19.59						
1.4	256QAM	3	3	19.81	19.86	19.83						
1.4	256QAM	3	1	19.80	19.89	19.85	20	5				
1.4	256QAM	3	3	19.50	19.49	19.55						
1.4	256QAM	15	0	19.80	19.75	19.75						

Band 17 Ant1 DSI 6 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turnup time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.35	24.43	24.42	25	0	
10	QPSK	1	26	24.31	24.38	24.34			
10	QPSK	1	49	24.39	24.34	24.31			
10	QPSK	25	0	23.33	23.40	23.34			
10	QPSK	25	12	23.34	23.38	23.27			
10	QPSK	25	26	23.33	23.28	23.32	24	1	
10	QPSK	50	0	23.27	23.30	23.29			
10	16QAM	1	0	23.68	23.68	23.61			
10	16QAM	1	26	23.65	23.68	23.67			
10	16QAM	1	49	23.68	23.71	23.65	24	1	
10	16QAM	25	0	22.42	22.48	22.50			
10	16QAM	25	12	22.33	22.39	22.31			
10	16QAM	25	26	22.26	22.25	22.17	23	2	
10	16QAM	50	0	22.53	22.48	22.51			
10	16QAM	50	12	22.48	22.48	22.38			
10	16QAM	1	26	22.37	22.38	22.35	23	2	
10	16QAM	1	49	22.48	22.47	22.48			
10	16QAM	1	72	22.48	22.52	22.45			
10	16QAM	25	0	21.46	21.45	21.44	22	3	
10	16QAM	25	12	21.48	21.43	21.48			
10	16QAM	25	26	21.28	21.33	21.37			
10	16QAM	50	0	21.38	21.38	21.45	20	5	
10	16QAM	50	12	21.41	21.39	21.40			
10	16QAM	50	26	21.34	21.32	21.38			
10	16QAM	25	12	21.36	21.32	21.38	20	5	
10	16QAM	25	26	21.35	21.31	21.35			
10	16QAM	25	12	21.35	21.31	21.35			
10	16QAM	25	12	21.35	21.31	21.35	20	5	
10	16QAM	25	26	21.35	21.31	21.35			
10	16QAM	25	12	21.35	21.31	21.35			
10	16QAM	25	26	21.35	21.31	21.35	20	5	
10	16QAM	25	12	21.35	21.31	21.35			
10	16QAM	25	26	21.35	21.31	21.35			
10	16QAM	25	12	21.35	21.31	21.35	20	5	
10	16QAM	25	26	21.35	21.31	21.35			
10	16QAM	25	12	21.35	21.31	21.35			
10	16QAM	25	26	21.35	21.31	21.35	20	5	
10	16QAM	25	12	21.35	21.31	21.35			
10	16QAM	25	26	21.35	21.31	21.35			
10	16QAM	25	12	21.35	21.31	21.35	20	5	
10	16QAM	25	26	21.35	21.31	21.35			
10	16QAM	25	12	21.35	21.31	21.35			
10	16QAM	25	26	21.35	21.31	21.35	20	5	
10	16QAM	25	12	21.35	21.31	21.35			
10	16QAM	25	26	21.35	21.31	21.35			

Band 26 Ant1 DSI 6 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 26765	Power Mid Ch./Freq. 26865	Power High Ch./Freq. 26965	Time-up (ms)	MPE (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.44	20.49	20.48	22.2	0		
15	QPSK	1	27	20.52	20.49	20.43				
15	QPSK	1	74	20.44	20.44	20.44				
15	QPSK	36	0	20.38	20.53	20.34	21.2	0		
15	QPSK	36	20	20.41	20.44	20.38				
15	QPSK	36	39	20.26	20.43	20.31				
15	QPSK	75	0	20.35	20.50	20.36	21.2	1		
15	QPSK	75	0	20.35	20.47	20.39				
15	16QAM	1	74	20.31	20.41	20.29				
15	16QAM	36	10	20.43	20.41	20.47	22	0.2		
15	16QAM	36	39	20.29	20.29	20.29				
15	16QAM	36	39	20.31	20.30	20.30				
15	16QAM	75	0	20.44	20.47	20.45	22	0.2		
15	64QAM	1	0	20.44	20.39	20.36				
15	64QAM	1	37	20.42	20.40	20.38				
15	64QAM	36	39	19.41	19.48	19.47	21	1.2		
15	64QAM	75	0	19.46	19.46	19.46				
15	64QAM	75	0	19.38	19.42	19.43				
15	256QAM	1	0	17.47	17.50	17.47	19	3.2		
15	256QAM	1	37	17.42	17.43	17.50				
15	256QAM	1	74	17.57	17.58	17.55				
15	256QAM	36	6	17.24	17.28	17.24	19	3.2		
15	256QAM	36	39	17.10	17.12	17.07				
15	256QAM	36	39	17.20	17.18	17.18				
15	256QAM	75	0	17.04	17.09	17.09				
15	256QAM	75	0	17.04	17.09	17.09				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.33	20.51	20.38	22.2	0		
15	QPSK	1	27	20.40	20.46	20.29				
15	QPSK	1	49	20.34	20.41	20.30				
15	QPSK	26	0	20.32	20.44	20.24	21.2	1		
15	QPSK	26	20	20.38	20.39	20.27				
15	QPSK	26	26	20.11	20.33	20.24				
15	QPSK	50	0	20.27	20.46	20.23	21.2	1		
15	QPSK	50	0	20.22	20.39	20.34				
15	16QAM	1	26	20.30	20.26	20.30				
15	16QAM	25	0	20.33	20.34	20.38	22	0.2		
15	16QAM	25	12	20.15	20.15	20.18				
15	16QAM	25	26	20.30	20.34	20.29				
15	16QAM	50	0	20.37	20.39	20.38	22	0.2		
15	64QAM	1	0	20.40	20.31	20.24				
15	64QAM	1	37	20.32	20.34	20.30				
15	64QAM	1	49	20.18	20.21	20.17	21	1.2		
15	64QAM	25	0	19.29	19.27	19.38				
15	64QAM	25	26	19.38	19.42	19.31				
15	64QAM	25	26	19.32	19.33	19.30	19	3.2		
15	64QAM	50	0	19.32	19.28	19.30				
15	256QAM	1	26	17.28	17.34	17.42				
15	256QAM	1	49	17.50	17.43	17.59	19	3.2		
15	256QAM	1	26	17.08	17.18	17.27				
15	256QAM	25	26	17.15	17.15	17.07				
15	256QAM	50	0	17.24	17.24	17.00	19	3.2		
15	256QAM	50	0	17.24	17.10	17.00				
15	256QAM	50	0	17.24	17.10	17.00				
15	256QAM	50	0	17.24	17.10	17.00				
15	256QAM	50	0	17.24	17.10	17.00				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.42	20.48	20.44	22.2	0		
15	QPSK	1	12	20.40	20.45	20.34				
15	QPSK	1	24	20.34	20.51	20.29				
15	QPSK	12	0	20.17	20.41	20.31	21.2	1		
15	QPSK	12	7	20.30	20.33	20.24				
15	QPSK	12	13	20.21	20.29	20.22				
15	QPSK	26	26	20.26	20.33	20.29	21.2	1		
15	16QAM	1	0	20.20	20.43	20.29				
15	16QAM	1	12	20.28	20.26	20.24				
15	16QAM	12	0	20.24	20.35	20.33	22	0.2		
15	16QAM	12	7	20.21	20.19	20.20				
15	16QAM	12	13	20.21	20.23	20.15				
15	16QAM	26	0	20.30	20.43	20.34	22	0.2		
15	64QAM	1	0	20.29	20.29	20.27				
15	64QAM	1	12	20.32	20.32	20.30				
15	64QAM	1	24	20.22	20.14	20.20	21	1.2		
15	64QAM	12	0	19.32	19.31	19.32				
15	64QAM	12	13	19.32	19.41	19.30				
15	64QAM	25	0	19.26	19.28	19.40	19	3.2		
15	256QAM	1	12	17.40	17.41	17.40				
15	256QAM	1	24	17.37	17.39	17.45				
15	256QAM	1	26	17.45	17.45	17.52	19	3.2		
15	256QAM	12	0	17.15	17.16	17.15				
15	256QAM	12	7	17.06	17.10	17.06				
15	256QAM	25	0	17.15	17.09	17.05	19	3.2		
15	256QAM	25	0	17.15	17.09	17.05				
15	256QAM	25	0	17.15	17.09	17.05				
15	256QAM	25	0	17.15	17.09	17.05				
15	256QAM	25	0	17.15	17.09	17.05				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.33	20.51	20.38	22.2	0		
15	QPSK	1	3	20.46	20.37	20.29				
15	QPSK	1	14	20.27	20.40	20.32				
15	QPSK	1	8	20.14	20.46	20.35	21.2	1		
15	QPSK	8	4	20.20	20.32	20.25				
15	QPSK	8	7	20.11	20.34	20.23				
15	QPSK	8	20	20.20	20.40	20.42	21.2	1		
15	16QAM	1	0	20.30	20.39	20.34				
15	16QAM	1	8	20.27	20.20	20.25				
15	16QAM	8	7	20.18	20.24	20.23	22	0.2		
15	16QAM	8	4	20.13	20.24	20.24				
15	16QAM	16	0	20.36	20.44	20.40				
15	64QAM	1	0	20.40	20.28	20.28	22	0.2		
15	64QAM	1	8	20.38	20.30	20.28				
15	64QAM	1	14	20.17	20.18	20.20				
15	64QAM	8	0	19.39	19.29	19.31	21	1.2		
15	64QAM	8	8	19.25	19.40	19.40				
15	64QAM	8	7	19.27	19.38	19.26				
15	64QAM	16	0	19.31	19.34	19.40	19	3.2		
15	256QAM	1	0	17.41	17.38	17.44				
15	256QAM	1	8	17.31	17.39	17.43				
15	256QAM	1	14	17.42	17.46	17.48	19	3.2		
15	256QAM	8	0	17.13	17.16	17.11				
15	256QAM	8	4	17.13	17.01	17.03				
15	256QAM	8	7	17.12	17.15	17.09	19	3.2		
15	256QAM	8	20	17.10	17.12	17.07				
15	256QAM	16	0	17.39	17.05	17.05				
15	256QAM	16	0	17.39	17.05	17.05				
15	256QAM	16	0	17.39	17.05	17.05				
Channel										
Frequency (MHz)										
14	QPSK	1	0	20.33	20.55	20.36	22.2	0		
14	QPSK	1	3	20.46	20.37	20.29				
14	QPSK	1	3	20.32	20.44	20.36				
14	QPSK	3	0	20.44	20.40	20.39	21.2	1		
14	QPSK	3	0	20.32	20.44	20.36				
14	QPSK	3	0	20.15	20.48	20.28				
14	QPSK	1	0	20.38	20.38	20.27	22	0.2		
14	QPSK	1	0	20.32	20.32	20.31				
14	QPSK	1	0	20.32	20.32	20.31				
14	16QAM	1	6	20.21	20.41	20.20	21.2	1		
14	16QAM	3	0	20.30	20.37	20.26				
14	16QAM	3	0	20.20	20.20	20.20				
14	16QAM	3	0	20.21	20.26	20.21	22	0.2		
14	16QAM	3	0	20.39	20.33	20.41				
14	16QAM	3	0	20.17	20.30	20.20				
14	16QAM	1	0	20.38	20.38	20.28	22	0.2		
14	16QAM	1	0	20.32	20.36	20.30				
14	16QAM	1	0	20.32	20.32	20.31				
14	16QAM	3	1	20.34	20.28	20.27	21	1.2		
14	16QAM	3	1	20.17	20.37	20.26				
14	16QAM	3	1	20.39	20.34	20.34				
14	16QAM	6	0	19.39	19.34	19.34	19	3.2		
14	16QAM	6	0	17.37	17.45	17.37				
14	16QAM	6	0	17.37	17.45	17.37				
14	16QAM	6	0	17.18	17.24	17.12	19	3.2		
14	16QAM	6	0	17.18	17.18	17.18				
14	16QAM	6	0	17.14	17.09	17.09				
14	256QAM	6	0	17.28	17.01	17.06	19	3.2		
14	256QAM	6	0	17.28	17.01	17.06				
14	256QAM	6	0	17.28	17.01	17.06				

Band 38 Ant1 PC2&PC3 DSI 6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.21	19.25	19.20	20.2	0	
20	QPSK	1	49	19.18	19.16	19.17			
20	QPSK	1	99	19.13	19.23	19.05			
20	QPSK	50	0	19.21	19.22	19.08			
20	QPSK	50	24	19.09	19.09	19.09	20.2	0	
20	QPSK	50	50	19.04	19.13	18.97			
20	QPSK	100	0	19.06	19.17	19.07			
20	16QAM	1	0	19.05	19.05	19.12			
20	16QAM	1	49	19.13	19.13	19.10	20.2	0	
20	16QAM	1	99	19.06	19.12	19.10			
20	16QAM	50	0	19.01	19.15	19.00			
20	16QAM	50	24	19.15	19.15	19.11			
20	16QAM	50	50	19.09	19.04	19.08	20.2	0	
20	16QAM	100	0	19.05	19.09	18.93			
20	64QAM	1	0	19.06	19.12	19.08			
20	64QAM	1	49	19.13	19.03	19.08			
20	64QAM	1	99	18.98	19.11	18.98	20.2	0	
20	64QAM	50	0	19.10	19.12	19.11			
20	64QAM	50	24	19.17	19.13	19.08			
20	64QAM	50	50	19.09	19.11	19.12			
20	64QAM	100	0	18.99	19.10	19.00	19	1.2	
20	256QAM	1	0	17.52	17.53	17.57			
20	256QAM	1	49	17.62	17.62	17.66			
20	256QAM	1	99	17.77	17.65	17.62			
20	256QAM	50	0	17.81	17.73	17.71	19	1.2	
20	256QAM	50	24	17.86	17.72	17.84			
20	256QAM	50	50	17.66	17.69	17.80			
20	256QAM	100	0	17.76	17.78	17.85			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.15	19.18	19.04	20.2	0	
15	QPSK	1	37	19.06	19.10	19.02			
15	QPSK	1	74	19.01	19.12	19.00			
15	QPSK	36	0	19.00	19.13	19.04			
15	QPSK	36	20	19.03	19.02	18.93	20.2	0	
15	QPSK	36	39	18.96	19.02	18.92			
15	QPSK	75	0	18.91	19.02	18.98			
15	16QAM	1	0	19.00	18.96	19.07			
15	16QAM	1	37	19.03	19.04	18.97	20.2	0	
15	16QAM	1	74	18.99	19.02	18.96			
15	16QAM	36	0	18.96	19.04	18.86			
15	16QAM	36	20	19.09	19.10	19.06			
15	16QAM	36	39	18.93	18.96	18.94	20.2	0	
15	16QAM	75	0	19.01	18.94	18.88			
15	64QAM	1	0	19.01	19.03	19.01			
15	64QAM	1	37	19.02	18.99	19.01			
15	64QAM	1	74	18.93	19.01	18.83	20.2	0	
15	64QAM	36	0	19.03	19.03	19.04			
15	64QAM	36	20	19.07	19.01	18.98			
15	64QAM	36	39	19.02	19.04	19.00			
15	64QAM	75	0	18.85	19.05	18.85	19	1.2	
15	256QAM	1	0	17.42	17.45	17.43			
15	256QAM	1	37	17.49	17.57	17.62			
15	256QAM	1	74	17.68	17.60	17.49			
15	256QAM	36	0	17.67	17.67	17.59	19	1.2	
15	256QAM	36	20	17.73	17.59	17.76			
15	256QAM	36	39	17.59	17.62	17.74			
15	256QAM	75	0	17.64	17.67	17.80			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.12	19.10	19.10	20.2	0	
10	QPSK	1	25	19.05	19.11	19.02			
10	QPSK	1	49	19.09	19.12	18.91			
10	QPSK	25	0	19.02	19.05	19.04			
10	QPSK	25	12	18.96	19.03	19.00	20.2	0	
10	QPSK	25	25	18.91	18.98	18.92			
10	QPSK	50	0	19.01	19.06	18.96			
10	16QAM	1	0	18.97	18.90	19.01			
10	16QAM	1	25	19.04	18.98	19.03	20.2	0	
10	16QAM	1	49	18.92	18.96	19.00			
10	16QAM	25	0	18.87	19.07	18.90			
10	16QAM	25	12	19.10	19.05	19.04			
10	16QAM	25	25	18.97	18.95	19.03	20.2	0	
10	16QAM	50	0	18.91	19.03	18.84			
10	64QAM	1	0	18.95	19.07	19.00			
10	64QAM	1	25	19.03	18.88	18.96			
10	64QAM	1	49	18.88	19.07	18.88	20.2	0	
10	64QAM	25	0	19.01	19.01	18.96			
10	64QAM	25	12	19.08	19.05	19.03			
10	64QAM	25	25	18.97	19.01	19.08			
10	64QAM	50	0	18.93	19.04	18.85	19	1.2	
10	256QAM	1	0	17.38	17.38	17.51			
10	256QAM	1	25	17.48	17.53	17.62			
10	256QAM	1	49	17.63	17.51	17.52			
10	256QAM	25	0	17.67	17.60	17.60	19	1.2	
10	256QAM	25	12	17.80	17.63	17.79			
10	256QAM	25	25	17.63	17.63	17.76			
10	256QAM	50	0	17.69	17.63	17.72			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.17	19.15	19.06	20.2	0	
5	QPSK	1	12	19.09	19.09	19.04			
5	QPSK	1	24	19.08	19.09	18.96			
5	QPSK	12	0	19.08	19.10	18.97			
5	QPSK	12	7	18.98	18.94	19.05	20.2	0	
5	QPSK	12	13	18.92	19.08	18.89			
5	QPSK	25	0	18.97	19.06	19.01			
5	16QAM	1	0	19.00	18.89	19.01			
5	16QAM	1	12	18.97	19.01	19.05	20.2	0	
5	16QAM	1	24	18.97	19.06	19.00			
5	16QAM	12	0	18.91	19.10	18.90			
5	16QAM	12	7	19.09	19.07	19.04			
5	16QAM	12	13	18.97	18.98	18.93	20.2	0	
5	16QAM	25	0	18.90	18.97	18.78			
5	64QAM	1	0	18.91	19.07	19.04			
5	64QAM	1	12	19.04	18.89	19.04			
5	64QAM	1	24	18.93	18.98	18.93	20.2	0	
5	64QAM	12	0	18.95	18.97	18.95			
5	64QAM	12	7	19.06	19.02	19.00			
5	64QAM	12	13	18.96	19.07	18.99			
5	64QAM	25	0	18.95	18.99	18.88	19	1.2	
5	256QAM	1	0	17.49	17.41	17.48			
5	256QAM	1	12	17.55	17.58	17.57			
5	256QAM	1	24	17.62	17.54	17.53			
5	256QAM	12	0	17.70	17.63	17.67	19	1.2	
5	256QAM	12	7	17.74	17.59	17.77			
5	256QAM	12	13	17.55	17.57	17.76			
5	256QAM	25	0	17.63	17.72	17.76			

Band 38 Ant1 PC2&PC3 DSI 6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.26	18.35	18.21	18.7	0	
20	QPSK	1	49	18.21	18.20	18.24			
20	QPSK	1	99	18.20	18.31	18.14			
20	QPSK	50	0	18.31	18.32	18.17	18.7	0	
20	QPSK	50	24	18.19	18.09	18.18			
20	QPSK	50	50	18.08	18.21	18.04			
20	QPSK	100	0	18.13	18.19	18.16	18.7	0	
20	16QAM	1	0	18.06	18.10	18.16			
20	16QAM	1	49	18.13	18.21	18.19			
20	16QAM	1	99	18.07	18.16	18.10	18.7	0	
20	16QAM	50	0	18.06	18.22	18.10			
20	16QAM	50	24	18.24	18.14	18.22			
20	16QAM	50	50	18.10	18.11	18.09	18.7	0	
20	16QAM	100	0	18.13	18.19	18.01			
20	64QAM	1	0	18.11	18.17	18.14			
20	64QAM	1	49	18.22	18.13	18.19	18.7	0	
20	64QAM	1	99	18.07	18.18	18.01			
20	64QAM	50	0	18.20	18.22	18.19			
20	64QAM	50	24	18.21	18.18	18.14	18.7	0	
20	64QAM	50	50	18.10	18.11	18.19			
20	64QAM	100	0	18.03	18.11	18.04			
20	256QAM	1	0	17.52	17.53	17.57	18.7	0	
20	256QAM	1	49	17.62	17.62	17.66			
20	256QAM	1	99	17.77	17.65	17.62			
20	256QAM	50	0	17.81	17.73	17.71	18.7	0	
20	256QAM	50	24	17.86	17.72	17.84			
20	256QAM	50	50	17.66	17.69	17.80			
20	256QAM	100	0	17.76	17.78	17.85	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.23	18.27	18.12	18.7	0	
15	QPSK	1	37	18.11	18.12	18.09			
15	QPSK	1	74	18.07	18.25	18.09			
15	QPSK	36	0	18.15	18.23	18.10	18.7	0	
15	QPSK	36	20	18.09	18.04	18.06			
15	QPSK	36	39	18.00	18.08	17.99			
15	QPSK	75	0	18.08	18.13	18.10	18.7	0	
15	16QAM	1	0	17.98	18.04	18.02			
15	16QAM	1	37	18.03	18.09	18.07			
15	16QAM	1	74	17.91	18.11	18.03	18.7	0	
15	16QAM	36	0	18.01	18.16	18.03			
15	16QAM	36	20	18.20	18.04	18.17			
15	16QAM	36	39	18.00	18.03	17.97	18.7	0	
15	16QAM	75	0	18.02	18.08	17.89			
15	64QAM	1	0	18.06	18.06	18.09			
15	64QAM	1	37	18.18	18.05	18.09	18.7	0	
15	64QAM	1	74	17.95	18.09	17.94			
15	64QAM	36	0	18.12	18.09	18.03			
15	64QAM	36	20	18.11	18.03	18.00	18.7	0	
15	64QAM	36	39	17.99	17.97	18.09			
15	64QAM	75	0	17.91	18.07	17.94			
15	256QAM	1	0	17.42	17.45	17.43	18.7	0	
15	256QAM	1	37	17.49	17.57	17.62			
15	256QAM	1	74	17.68	17.60	17.49			
15	256QAM	36	0	17.67	17.67	17.59	18.7	0	
15	256QAM	36	20	17.73	17.59	17.76			
15	256QAM	36	39	17.59	17.62	17.74			
15	256QAM	75	0	17.64	17.67	17.80	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.19	18.31	18.08	18.7	0	
10	QPSK	1	25	18.15	18.15	18.10			
10	QPSK	1	49	18.14	18.25	18.04			
10	QPSK	25	0	18.09	18.18	18.02	18.7	0	
10	QPSK	25	12	18.04	17.99	18.06			
10	QPSK	25	25	18.03	18.14	18.00			
10	QPSK	50	0	18.04	18.11	18.02	18.7	0	
10	16QAM	1	0	17.98	17.96	18.12			
10	16QAM	1	25	18.02	18.12	18.05			
10	16QAM	1	49	18.01	18.01	17.99	18.7	0	
10	16QAM	25	0	18.01	18.06	18.00			
10	16QAM	25	12	18.14	18.04	18.07			
10	16QAM	25	25	18.05	18.06	18.02	18.7	0	
10	16QAM	50	0	17.99	18.07	17.91			
10	64QAM	1	0	17.97	18.13	18.04			
10	64QAM	1	25	18.17	17.99	18.04	18.7	0	
10	64QAM	1	49	17.99	18.08	17.88			
10	64QAM	25	0	18.07	18.11	18.13			
10	64QAM	25	12	18.09	18.06	18.05	18.7	0	
10	64QAM	25	25	18.03	17.99	18.12			
10	64QAM	50	0	17.91	18.02	17.91			
10	256QAM	1	0	17.38	17.38	17.51	18.7	0	
10	256QAM	1	25	17.48	17.53	17.62			
10	256QAM	1	49	17.63	17.51	17.52			
10	256QAM	25	0	17.67	17.60	17.60	18.7	0	
10	256QAM	25	12	17.80	17.63	17.79			
10	256QAM	25	25	17.63	17.63	17.76			
10	256QAM	50	0	17.69	17.63	17.72	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.28	18.27	18.10	18.7	0	
5	QPSK	1	12	18.07	18.07	18.11			
5	QPSK	1	24	18.08	18.19	17.99			
5	QPSK	12	0	18.05	18.13	18.04	18.7	0	
5	QPSK	12	7	18.04	17.93	18.01			
5	QPSK	25	0	18.03	18.08	17.90			
5	16QAM	1	0	17.92	18.03	18.02	18.7	0	
5	16QAM	1	12	18.03	18.14	18.10			
5	16QAM	1	24	17.92	18.07	17.99			
5	16QAM	12	0	17.98	18.08	18.03	18.7	0	
5	16QAM	12	7	18.19	18.02	18.11			
5	16QAM	12	13	17.95	17.99	18.01			
5	16QAM	25	0	17.98	18.07	17.86	18.7	0	
5	64QAM	1	0	17.99	18.03	18.01			
5	64QAM	1	12	18.06	17.99	18.05			
5	64QAM	1	24	17.95	18.10	17.97	18.7	0	
5	64QAM	12	0	18.10	18.12	18.06			
5	64QAM	12	7	18.16	18.07	18.03			
5	64QAM	12	13	17.96	18.03	18.04	18.7	0	
5	64QAM	25	0	17.92	18.04	17.89			
5	256QAM	1	0	17.49	17.41	17.48			
5	256QAM	1	12	17.55	17.58	17.57	18.7	0	
5	256QAM	1	24	17.62	17.54	17.53			
5	256QAM	12	0	17.70	17.63	17.67			
5	256QAM	12	7	17.74	17.59	17.77	18.7	0	
5	256QAM	12	13	17.55	17.57	17.76			
5	256QAM	25	0	17.63	17.72	17.76			

Band 42 Ant4 DSI 6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.11	21.26	21.14	22.1	0	
20	QPSK	1	49	21.19	21.16	21.20			
20	QPSK	1	99	21.20	21.14	21.18			
20	QPSK	50	0	21.06	21.18	21.02	22.1	0	
20	QPSK	50	24	21.09	21.06	21.16			
20	QPSK	50	50	21.07	21.05	21.09			
20	QPSK	100	0	21.03	21.17	21.08	22.1	0	
20	16QAM	1	0	20.98	21.14	20.95			
20	16QAM	1	49	21.05	21.05	21.09			
20	16QAM	1	99	21.15	21.08	21.05	22	0.1	
20	16QAM	50	0	21.00	20.93	21.03			
20	16QAM	50	24	20.84	20.87	20.91			
20	16QAM	50	50	21.03	20.94	20.93	22	0.1	
20	16QAM	100	0	20.86	20.77	20.72			
20	64QAM	1	0	20.75	20.73	20.71			
20	64QAM	1	49	20.85	20.74	20.81	22	0.1	
20	64QAM	1	99	20.72	20.68	20.65			
20	64QAM	50	0	20.05	19.95	19.97			
20	64QAM	50	24	20.13	20.07	20.14	21	1.1	
20	64QAM	50	50	20.08	20.08	20.20			
20	64QAM	100	0	20.11	20.03	20.11			
20	256QAM	1	0	17.74	17.75	17.89	19	3.1	
20	256QAM	1	49	17.73	17.58	17.54			
20	256QAM	1	99	17.72	17.63	17.66			
20	256QAM	50	0	17.93	17.98	18.06	19	3.1	
20	256QAM	50	24	18.08	17.97	17.94			
20	256QAM	50	50	18.09	17.99	18.00			
20	256QAM	100	0	17.94	17.90	17.90	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.97	21.14	21.05			
15	QPSK	1	37	21.11	21.10	21.15	22.1	0	
15	QPSK	1	74	21.15	21.00	21.11			
15	QPSK	36	0	20.90	21.13	20.90			
15	QPSK	36	20	21.02	21.02	21.01	22.1	0	
15	QPSK	36	39	20.95	21.00	20.96			
15	QPSK	75	0	20.93	21.01	20.97			
15	16QAM	1	0	20.84	21.06	20.86	22.1	0	
15	16QAM	1	37	20.90	20.91	21.00			
15	16QAM	1	74	21.00	21.02	20.97			
15	16QAM	36	0	20.89	20.89	20.96	22	0.1	
15	16QAM	36	20	20.78	20.74	20.77			
15	16QAM	36	39	20.99	20.84	20.88			
15	16QAM	75	0	20.82	20.65	20.66	22	0.1	
15	64QAM	1	0	20.63	20.60	20.64			
15	64QAM	1	37	20.78	20.62	20.70			
15	64QAM	1	74	20.58	20.56	20.55	21	1.1	
15	64QAM	36	0	19.92	19.91	19.88			
15	64QAM	36	20	20.04	19.98	20.03			
15	64QAM	36	39	20.03	19.99	20.10	19	3.1	
15	64QAM	75	0	20.04	19.91	20.06			
15	256QAM	1	0	17.65	17.61	17.86			
15	256QAM	1	37	17.64	17.55	17.46	19	3.1	
15	256QAM	1	74	17.81	17.58	17.54			
15	256QAM	36	0	17.84	17.85	17.96			
15	256QAM	36	20	17.95	17.90	17.88	19	3.1	
15	256QAM	36	39	18.05	17.91	17.96			
15	256QAM	75	0	17.83	17.83	17.84			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.96	21.18	21.07	22.1	0	
10	QPSK	1	25	21.13	21.08	21.09			
10	QPSK	1	49	21.15	21.07	21.03			
10	QPSK	25	0	21.02	21.03	20.88	22.1	0	
10	QPSK	25	12	21.01	20.95	21.01			
10	QPSK	25	25	20.97	20.90	20.99			
10	QPSK	50	0	20.92	21.06	20.94	22.1	0	
10	16QAM	1	0	20.86	21.05	20.83			
10	16QAM	1	25	20.95	20.95	20.98			
10	16QAM	1	49	21.11	20.92	21.01	22	0.1	
10	16QAM	25	0	20.94	20.87	20.98			
10	16QAM	25	12	20.70	20.76	20.87			
10	16QAM	25	25	20.90	20.87	20.87	22	0.1	
10	16QAM	50	0	20.74	20.66	20.68			
10	64QAM	1	0	20.68	20.58	20.67			
10	64QAM	1	25	20.74	20.68	20.67	21	1.1	
10	64QAM	1	49	20.63	20.55	20.61			
10	64QAM	25	0	19.96	19.82	19.84			
10	64QAM	25	12	20.00	20.01	20.02	19	3.1	
10	64QAM	25	25	19.95	20.02	20.09			
10	64QAM	50	0	20.04	19.95	20.05			
10	256QAM	1	0	17.69	17.64	17.83	19	3.1	
10	256QAM	1	25	17.64	17.44	17.43			
10	256QAM	1	49	17.66	17.58	17.55			
10	256QAM	25	0	17.79	17.94	18.00	19	3.1	
10	256QAM	25	12	18.04	17.90	17.81			
10	256QAM	25	25	18.04	17.84	17.96			
10	256QAM	50	0	17.81	17.87	17.79	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.06	21.11	21.01			
5	QPSK	1	12	21.15	21.05	21.07	22.1	0	
5	QPSK	1	24	21.08	21.01	21.12			
5	QPSK	12	0	20.93	21.07	20.93			
5	QPSK	12	7	20.96	20.92	21.02	22.1	0	
5	QPSK	12	13	20.97	20.96	21.02			
5	QPSK	25	0	20.95	21.06	21.03			
5	16QAM	1	0	20.87	21.02	20.81	22.1	0	
5	16QAM	1	12	20.97	20.96	20.94			
5	16QAM	1	24	21.09	20.93	20.90			
5	16QAM	12	0	20.94	20.88	20.91	22	0.1	
5	16QAM	12	7	20.75	20.75	20.86			
5	16QAM	12	13	20.90	20.81	20.90			
5	16QAM	25	0	20.74	20.66	20.66	22	0.1	
5	64QAM	1	0	20.68	20.59	20.59			
5	64QAM	1	12	20.80	20.60	20.77			
5	64QAM	1	24	20.59	20.58	20.58	21	1.1	
5	64QAM	12	0	19.93	19.88	19.94			
5	64QAM	12	7	20.02	19.96	20.06			
5	64QAM	12	13	20.03	20.01	20.17	19	3.1	
5	64QAM	25	0	20.03	19.97	19.97			
5	256QAM	1	0	17.70	17.71	17.74			
5	256QAM	1	12	17.70	17.50	17.40	19	1.6	
5	256QAM	1	24	17.59	17.49	17.57			
5	256QAM	12	0	17.88	17.84	18.00			
5	256QAM	12	7	17.94	17.92	17.83	19	1.6	
5	256QAM	12	13	17.94	17.89	17.89			
5	256QAM	25	0	17.84	17.79	17.79			

Band 42 Ant4 DSI 6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.61	19.79	19.68	20.6	0	
20	QPSK	1	49	19.68	19.69	19.65			
20	QPSK	1	99	19.71	19.68	19.66			
20	QPSK	50	0	19.59	19.73	19.53	20.6	0	
20	QPSK	50	24	19.59	19.55	19.66			
20	QPSK	50	50	19.54	19.55	19.57			
20	QPSK	100	0	19.59	19.70	19.61	20.6	0	
20	16QAM	1	0	19.43	19.67	19.43			
20	16QAM	1	49	19.60	19.51	19.55			
20	16QAM	1	99	19.69	19.54	19.54	20.6	0	
20	16QAM	50	0	19.55	19.61	19.49			
20	16QAM	50	24	19.37	19.60	19.38			
20	16QAM	50	50	19.48	19.45	19.48	20.6	0	
20	16QAM	100	0	19.55	19.45	19.41			
20	64QAM	1	0	19.51	19.65	19.57			
20	64QAM	1	49	19.38	19.50	19.38	20.6	0	
20	64QAM	1	99	19.47	19.48	19.47			
20	64QAM	50	0	19.55	19.57	19.54			
20	64QAM	50	24	19.38	19.52	19.33	20.6	0	
20	64QAM	50	50	19.53	19.44	19.42			
20	64QAM	100	0	19.55	19.46	19.39			
20	256QAM	1	0	17.74	17.75	17.89	19	1.6	
20	256QAM	1	49	17.73	17.58	17.54			
20	256QAM	50	0	17.93	17.98	18.06			
20	256QAM	50	24	18.08	17.97	17.94	19	1.6	
20	256QAM	50	50	18.09	17.99	18.00			
20	256QAM	100	0	17.94	17.90	17.90			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.49	19.70	19.62	20.6	0	
15	QPSK	1	37	19.55	19.60	19.58			
15	QPSK	1	74	19.66	19.57	19.57			
15	QPSK	36	0	19.46	19.57	19.39	20.6	0	
15	QPSK	36	20	19.45	19.40	19.40			
15	QPSK	36	39	19.40	19.49	19.42			
15	QPSK	75	0	19.52	19.59	19.54	20.6	0	
15	16QAM	1	0	19.34	19.56	19.31			
15	16QAM	1	37	19.50	19.38	19.45			
15	16QAM	1	74	19.56	19.48	19.46	20.6	0	
15	16QAM	36	0	19.45	19.49	19.45			
15	16QAM	36	20	19.27	19.46	19.25			
15	16QAM	36	39	19.35	19.40	19.33	20.6	0	
15	16QAM	75	0	19.49	19.34	19.27			
15	64QAM	1	0	19.37	19.61	19.46			
15	64QAM	1	37	19.30	19.41	19.34	20.6	0	
15	64QAM	1	74	19.39	19.34	19.31			
15	64QAM	36	0	19.44	19.49	19.49			
15	64QAM	36	20	19.30	19.40	19.25	20.6	0	
15	64QAM	36	39	19.44	19.31	19.27			
15	64QAM	75	0	19.48	19.39	19.31			
15	256QAM	1	0	17.65	17.61	17.86	19	1.6	
15	256QAM	1	37	17.64	17.55	17.46			
15	256QAM	1	74	17.61	17.58	17.54			
15	256QAM	36	0	17.84	17.85	17.96	19	1.6	
15	256QAM	36	20	17.95	17.90	17.88			
15	256QAM	36	39	18.05	17.91	17.96			
15	256QAM	75	0	17.83	17.83	17.84			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.52	19.64	19.57	20.6	0	
10	QPSK	1	25	19.59	19.55	19.50			
10	QPSK	1	49	19.65	19.54	19.52			
10	QPSK	25	0	19.44	19.64	19.40	20.6	0	
10	QPSK	25	12	19.48	19.39	19.52			
10	QPSK	25	25	19.44	19.43	19.46			
10	QPSK	50	0	19.43	19.58	19.47	20.6	0	
10	16QAM	1	0	19.36	19.57	19.31			
10	16QAM	1	25	19.50	19.45	19.44			
10	16QAM	1	49	19.60	19.47	19.45	20.6	0	
10	16QAM	25	0	19.40	19.55	19.46			
10	16QAM	25	12	19.23	19.54	19.28			
10	16QAM	25	25	19.38	19.41	19.34	20.6	0	
10	16QAM	50	0	19.44	19.31	19.29			
10	64QAM	1	0	19.35	19.57	19.45			
10	64QAM	1	25	19.24	19.47	19.24	20.6	0	
10	64QAM	1	49	19.40	19.39	19.34			
10	64QAM	25	0	19.46	19.50	19.48			
10	64QAM	25	12	19.27	19.36	19.22	20.6	0	
10	64QAM	25	25	19.47	19.35	19.27			
10	64QAM	50	0	19.42	19.37	19.29			
10	256QAM	1	0	17.69	17.64	17.83	19	1.6	
10	256QAM	1	25	17.64	17.44	17.43			
10	256QAM	1	49	17.66	17.58	17.55			
10	256QAM	25	0	17.79	17.94	18.00	19	1.6	
10	256QAM	25	12	18.04	17.90	17.81			
10	256QAM	25	25	18.04	17.84	17.96			
10	256QAM	50	0	17.81	17.87	17.79			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.50	19.72	19.62	20.6	0	
5	QPSK	1	12	19.58	19.55	19.51			
5	QPSK	1	24	19.66	19.58	19.55			
5	QPSK	12	0	19.44	19.60	19.42	20.6	0	
5	QPSK	12	7	19.52	19.47	19.52			
5	QPSK	12	13	19.44	19.45	19.42			
5	QPSK	25	0	19.51	19.60	19.55	20.6	0	
5	16QAM	1	0	19.35	19.59	19.28			
5	16QAM	1	12	19.49	19.38	19.42			
5	16QAM	1	24	19.56	19.40	19.50	20.6	0	
5	16QAM	12	0	19.50	19.51	19.35			
5	16QAM	12	7	19.21	19.55	19.32			
5	16QAM	12	13	19.34	19.31	19.32	20.6	0	
5	16QAM	25	0	19.41	19.30	19.34			
5	64QAM	1	0	19.36	19.60	19.48			
5	64QAM	1	12	19.23	19.44	19.32	20.6	0	
5	64QAM	12	0	19.40	19.50	19.40			
5	64QAM	12	7	19.28	19.41	19.27			
5	64QAM	12	13	19.45	19.36	19.28	20.6	0	
5	64QAM	25	0	19.39	19.42	19.32			
5	256QAM	1	0	17.70	17.71	17.74			
5	256QAM	1	12	17.70	17.50	17.40	19	1.6	
5	256QAM	1	24	17.59	17.49	17.57			
5	256QAM	12	0	17.88	17.84	18.00			
5	256QAM	12	7	17.94	17.92	17.83	19	1.6	
5	256QAM	12	13	17.94	17.89	17.89			
5	256QAM	25	0	17.84	17.79	17.79			



Uplink CA Power

Ant 0 Full Power

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	22.36	24.00
21100	21298	QPSK	1	99	1	0	1	0	22.41	24.00
21350	21152	QPSK	1	0	1	99	1	0	22.39	24.00

Ant 0 DSI3 Standalone

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	17.39	18.80
21100	21298	QPSK	1	99	1	0	1	0	17.42	18.80
21350	21152	QPSK	1	0	1	99	1	0	17.31	18.80

Ant 0 DSI3 Simultaneous

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	14.43	15.20
21100	21298	QPSK	1	99	1	0	1	0	14.56	15.20
21350	21152	QPSK	1	0	1	99	1	0	14.29	15.20

Ant 0 DSI6 Standalone

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	20.40	21.30
21100	21298	QPSK	1	99	1	0	1	0	20.45	21.30
21350	21152	QPSK	1	0	1	99	1	0	20.29	21.30

Ant 0 DSI6 Simultaneous

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	18.88	19.80
21100	21298	QPSK	1	99	1	0	1	0	18.94	19.80
21350	21152	QPSK	1	0	1	99	1	0	18.81	19.80

Downlink CA Power

2CA DL

CA List	PCC								SCC				Power			
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq.	Channel	Mod.	RB		RB Offset	Band	(MHz)	Freq.		Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_2C	Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098	4xMIMO	22.21	22.30
CA_2A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.23	22.30
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.82	22.87
CA_2A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.26	22.30
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	22.37	22.38
CA_2A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.09	22.30
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.74	22.97
CA_4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.58	22.67
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4xMIMO	22.28	22.38
CA_5A-7A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.33	22.38
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.88	22.87
CA_5A-41A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.25	22.38
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.92	23.05
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2664.3	3193	4xMIMO	22.78	22.97
CA_7A-26A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.82	22.97
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.41	22.47
CA_7A-42A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 42	20M	3575	43340		22.80	22.97
	Band 42	Ant4	20M	3575	43340	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.89	22.91
CA_26A-41A	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.44	22.47
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.85	22.91
CA_38C	Band 38	Ant0	15M	2595	38000	QPSK	1	0	4xMIMO	Band 38	15M	2614.8	38150	4xMIMO	22.89	23.04
CA_41A-42A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 42	20M	3575	43340		22.85	23.05
	Band 42	Ant4	20M	3575	43340	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.90	22.91
CA_42C	Band 42	Ant4	20M	3575	43340	QPSK	1	0		Band 42	15M	3594.8	43511		22.84	22.91
CA_66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2154.3	66879	4xMIMO	22.49	22.68
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2164.8	66984	4xMIMO	22.55	22.68

3CA DL

3CA List	PCC									SCC1					SCC2					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band		(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)		Tx. Power (dBm)	
CA_2A-7C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMMIO	Band 7	20M	2655	3100	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	22.17	22.3
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	Band 2	20M	1960	900	4xMMIO	22.83	22.97
CA_2A-7A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMMIO	Band 7	20M	2655	3100	4xMMIO	Band 7	5M	2687.5	3425	4xMMIO	22.24	22.3
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 7	5M	2687.5	3425	4xMMIO	Band 2	20M	1960	900	4xMMIO	22.86	22.97
CA_4A-7C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMMIO	Band 7	20M	2655	3100	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	22.61	22.67
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	Band 4	20M	2132.5	2175	4xMMIO	22.94	22.97
CA_5A-7C	Band 5	Ant1	10M	836.5	26525	QPSK	1	0	4xMMIO	Band 7	20M	2655	3100	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	22.29	22.38
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	Band 5	10M	881.5	2525	4xMMIO	22.76	22.97
CA_5A-66A-66A	Band 5	Ant1	10M	836.5	26525	QPSK	1	0	4xMMIO	Band 66	20M	2145	66786	4xMMIO	Band 66	5M	2177.5	67111	4xMMIO	22.34	22.38
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMMIO	Band 66	5M	2177.5	67111	4xMMIO	Band 5	10M	881.5	2525	4xMMIO	22.57	22.69
CA_7A-66A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 66	20M	2145	66786	4xMMIO	Band 66	5M	2177.5	67111	4xMMIO	22.88	22.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMMIO	Band 66	5M	2177.5	67111	4xMMIO	Band 7	20M	2655	3100	4xMMIO	22.46	22.69
CA_41A_41A_41A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMMIO	Band 41	5M	2687.5	41565	4xMMIO	Band 41	20M	2506	39750	4xMMIO	23.02	23.05

4CA DL

Configure	PCC									SCC1				SCC2				SCC3				Power				
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration		LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq (MHz)	Channel	Mod.	RB	RB Offset		Band	(MHz)	Freq (MHz)	Channel		Band	(MHz)	Freq (MHz)	Channel		Band	(MHz)	Freq (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)
CA_41C-41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	5M	2496.5	39675	4xMIMO	Band 41	15M	2510.2	39792	4xMIMO	22.92	23.05
CA_41E	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2652.4	41214	4xMIMO	23.03	23.05
CA_41A-41D	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2545.6	40146	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	Band 41	20M	2506	39750	4xMIMO	22.96	23.05
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2506	39750	4xMIMO	22.93	23.05
CA_41A-41A-41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	23.01	23.05

Full Power level/Default Power level/ Pmax Power Level for 5G NR

n7 ANT0 Default power									
BW [MHz]	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	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.23	23.13	23.08			
40	PI/2 BPSK	1	108	23.21	23.22	23.11	24.0	0.0	
40	PI/2 BPSK	1	214	23.19	23.16	23.17			
40	PI/2 BPSK	108	0	22.63	22.60	22.57		0.5	
40	PI/2 BPSK	108	54	23.21	23.12	23.08	23.5	0.5	
40	PI/2 BPSK	108	108	22.66	22.66	22.69			
40	PI/2 BPSK	216	0	22.80	22.72	22.81			
40	QPSK	1	1	23.18	23.27	23.22	24.0	0.0	
40	QPSK	1	108	23.07	23.20	23.10			
40	QPSK	1	214	23.10	23.23	23.22			
40	QPSK	108	0	22.13	22.14	22.24	23.0	1.0	
40	QPSK	108	54	23.14	23.22	23.15		0.0	
40	QPSK	108	108	22.22	22.21	22.28		1.0	
40	QPSK	216	0	22.20	22.26	22.21	23.0	1.0	
40	16QAM	1	1	22.24	22.13	22.11		1.0	
40	64QAM	1	1	20.90	20.80	20.76		2.5	
40	256QAM	1	1	18.59	18.57	18.68	19.5	4.5	
Channel				503000	507000	511000		MPR (dB)	
Frequency (MHz)				2515	2535	2555		0.0	
30	QPSK	1	1	23.19	23.22	23.11	24.0	0.0	
Channel				502500	507000	511500		MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5		0.0	
25	QPSK	1	1	23.16	23.28	23.11	24.0	0.0	
Channel				502000	507000	512000		MPR (dB)	
Frequency (MHz)				2510	2535	2560		0.0	
20	QPSK	1	1	23.20	23.25	23.19	24.0	0.0	
Channel				501500	507000	512500		MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5		0.0	
15	QPSK	1	1	23.22	23.17	23.12	24.0	0.0	
Channel				501000	507000	513000		MPR (dB)	
Frequency (MHz)				2505	2535	2565		0.0	
10	QPSK	1	1	23.20	23.24	23.15	24.0	0.0	
Channel				500500	507000	513500		MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5		0.0	
5	QPSK	1	1	23.20	23.19	23.17	24.0	0.0	

n66 ANT0 Default power									
BW [MHz]	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)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.12	22.22	22.16			
40	PI/2 BPSK	1	108	22.13	22.23	22.10	24.0	0.0	
40	PI/2 BPSK	1	214	22.10	22.14	22.27			
40	PI/2 BPSK	108	0	21.73	21.77	21.84		0.5	
40	PI/2 BPSK	108	54	22.05	22.21	22.03	23.5	0.5	
40	PI/2 BPSK	108	108	21.78	21.68	21.75			
40	PI/2 BPSK	216	0	21.89	21.78	21.67			
40	QPSK	1	1	22.19	22.28	22.14	24.0	0.0	
40	QPSK	1	108	22.25	22.17	22.01			
40	QPSK	1	214	22.17	22.21	22.18			
40	QPSK	108	0	21.11	21.25	21.27	23.0	1.0	
40	QPSK	108	54	22.12	22.20	22.09		0.0	
40	QPSK	108	108	21.32	21.16	21.19		1.0	
40	QPSK	216	0	21.23	21.26	21.14	23.0	1.0	
40	16QAM	1	1	21.39	21.23	21.38		1.0	
40	64QAM	1	1	19.75	19.61	19.70		2.5	
40	256QAM	1	1	17.73	17.73	17.76	19.5	4.5	
Channel				345000	349000	353000		MPR (dB)	
Frequency (MHz)				1725	1745	1765		0.0	
30	QPSK	1	1	22.17	22.24	22.05	24.0	0.0	
Channel				344000	349000	354000		MPR (dB)	
Frequency (MHz)				1720	1745	1770		0.0	
20	QPSK	1	1	22.14	22.23	22.15	24.0	0.0	
Channel				343500	349000	354500		MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5		0.0	
15	QPSK	1	1	22.09	22.09	22.16	24.0	0.0	
Channel				343000	349000	355000		MPR (dB)	
Frequency (MHz)				1715	1745	1775		0.0	
10	QPSK	1	1	22.10	22.23	22.05	24.0	0.0	
Channel				342500	349000	355500		MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5		0.0	
5	QPSK	1	1	22.07	22.16	22.07	24.0	0.0	

n38 ANT0 Default power								
BW [MHz]	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	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.97	23.10	23.00		
40	PI/2 BPSK	1	53	22.98	23.11	22.97	23.5	0.5
40	PI/2 BPSK	1	104	22.90	23.03	22.92		
40	PI/2 BPSK	50	0	22.48	22.60	22.57		
40	PI/2 BPSK	50	28	22.96	23.02	22.93	24.0	0.0
40	PI/2 BPSK	50	56	22.64	22.61	22.53	23.5	0.5
40	PI/2 BPSK	100	0	22.63	22.55	22.61		
40	QPSK	1	1	23.21	23.25	23.22		
40	QPSK	1	53	23.16	23.20	23.05	24.0	0.0
40	QPSK	1	104	23.17	23.22	23.13		
40	QPSK	50	0	22.03	22.15	22.18	23.0	1.0
40	QPSK	50	28	23.01	23.12	23.02	24.0	0.0
40	QPSK	50	56	22.19	22.12	22.25	23.0	1.0
40	QPSK	100	0	22.12	22.25	22.23		
40	16QAM	1	1	22.11	22.09	22.19	23.0	1.0
40	64QAM	1	1	20.62	20.60	20.58	21.5	2.5
40	256QAM	1	1	18.46	18.48	18.53	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	24.0	0.0
30	QPSK	1	1	23.14	23.20	23.09		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24.0	0.0
20	QPSK	1	1	23.19	23.20	23.11		



n2 ANT1 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	24.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	22.60	22.56	22.43			
20	PI2 BPSK	1	53	22.52	22.53	22.59	23.5	0.5	
20	PI2 BPSK	1	104	22.53	22.61	22.44			
20	PI2 BPSK	50	0	22.05	21.97	21.94			
20	PI2 BPSK	50	28	22.52	22.50	22.57	24.0	0.0	
20	PI2 BPSK	50	56	22.03	22.03	21.99	23.5	0.5	
20	PI2 BPSK	100	0	22.10	21.97	21.97			
20	QPSK	1	1	22.56	22.62	22.49			
20	QPSK	1	53	22.41	22.60	22.58	24.0	0.0	
20	QPSK	1	104	22.33	22.56	22.51			
20	QPSK	50	0	21.55	22.53	21.67	23.0	1.0	
20	QPSK	50	28	22.42	22.59	22.36	24.0	0.0	
20	QPSK	50	56	21.62	21.59	21.57			
20	QPSK	100	0	22.41	22.55	21.52			
20	16QAM	1	1	21.39	21.39	21.39	23.0	1.0	
20	64QAM	1	1	20.26	20.17	20.20	21.5	2.5	
20	256QAM	1	1	17.99	17.94	18.04	19.5	4.5	
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	22.43	22.47	22.42			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905	24.0	0.0	
10	QPSK	1	1	22.53	22.56	22.39			
Channel				375500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	24.0	0.0	
5	QPSK	1	1	22.41	22.57	22.36			

n5 ANT1 Default power									
BW [MHz]	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	22.43	22.47	22.45			
20	PI2 BPSK	1	53	22.42	22.44	22.43	23.5	0.5	
20	PI2 BPSK	1	104	22.34	22.45	22.42			
20	PI2 BPSK	50	0	22.07	22.02	22.07			
20	PI2 BPSK	50	28	22.44	22.47	22.45	24.0	0.0	
20	PI2 BPSK	50	56	22.00	21.96	22.02	23.5	0.5	
20	PI2 BPSK	100	0	22.00	22.01	21.98			
20	QPSK	1	1	22.44	22.58	22.32			
20	QPSK	1	53	22.47	22.44	22.39	24.0	0.0	
20	QPSK	1	104	22.46	22.42	22.42			
20	QPSK	50	0	21.57	21.53	21.54	23.0	1.0	
20	QPSK	50	28	22.48	22.50	22.48	24.0	0.0	
20	QPSK	50	56	21.69	21.68	21.65			
20	QPSK	100	0	21.69	21.68	21.51			
20	16QAM	1	1	21.31	21.36	21.37	23.0	1.0	
20	64QAM	1	1	20.20	20.18	20.19	21.5	2.5	
20	256QAM	1	1	18.05	18.03	17.99	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	22.44	22.63	22.35			
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.47	22.58	22.39			
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.44	22.59	22.31			

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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				346000	349000	353000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.09	22.16	22.18			
40	PI2 BPSK	1	108	22.20	22.18	22.02	23.5	0.5	
40	PI2 BPSK	1	214	22.08	22.07	22.05			
40	PI2 BPSK	108	0	21.58	21.73	21.70			
40	PI2 BPSK	108	54	22.16	22.14	22.06	24.0	0.0	
40	PI2 BPSK	108	108	21.75	21.72	21.74	23.5	0.5	
40	PI2 BPSK	216	0	21.68	21.75	21.94			
40	QPSK	1	1	22.11	22.24	22.21			
40	QPSK	1	108	22.02	22.17	22.15	24.0	0.0	
40	QPSK	1	214	22.14	22.07	22.06			
40	QPSK	108	0	21.38	21.27	21.46	23.0	1.0	
40	QPSK	108	54	22.11	22.14	22.08	24.0	0.0	
40	QPSK	108	108	21.16	21.22	21.39			
40	QPSK	216	0	21.18	21.35	21.25			
40	16QAM	1	1	21.18	21.17	21.25	23.0	1.0	
40	64QAM	1	1	19.71	19.71	19.72	21.5	2.5	
40	256QAM	1	1	17.69	17.66	17.71	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	22.09	22.22	22.17			
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	QPSK	1	1	22.12	22.05	22.03			
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	22.10	22.13	22.04			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	22.02	22.13	22.15			
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	22.08	22.19	22.05			

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.06			20.0	0.0
100	PI/2 BPSK	1	137	19.15				
100	PI/2 BPSK	1	271	18.85				
100	PI/2 BPSK	135	0	18.76				
100	PI/2 BPSK	135	69	19.13			20.0	0.0
100	PI/2 BPSK	135	138	18.57			19.5	0.5
100	PI/2 BPSK	270	0	18.66				
100	QPSK	1	1	19.17			20.0	0.0
100	QPSK	1	137	19.02				
100	QPSK	1	271	18.87				
100	QPSK	135	0	18.14			19.0	1.0
100	QPSK	135	69	19.10			20.0	0.0
100	QPSK	135	138	17.97			19.0	1.0
100	QPSK	270	0	18.14				
100	16QAM	1	1	18.26			19.0	1.0
100	64QAM	1	1	18.85			17.5	2.5
100	256QAM	1	1	14.36			15.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.94	18.95	18.91	20.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	18.95	18.94	18.89	20.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.00	19.03	18.88	20.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.99	18.97	18.89	20.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	18.91	18.92	18.89	20.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	18.95	18.94	18.97	20.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.89	19.03	18.98	20.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	18.98	18.94	18.90	20.0	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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	22.19			27.0	0.0
100	PI/2 BPSK	1	137	22.13				
100	PI/2 BPSK	1	271	21.98				
100	PI/2 BPSK	135	0	21.57				
100	PI/2 BPSK	135	69	22.08			27.0	0.0
100	PI/2 BPSK	135	138	21.46			26.5	0.5
100	PI/2 BPSK	270	0	21.81				
100	QPSK	1	1	22.25			27.0	0.0
100	QPSK	1	137	22.14				
100	QPSK	1	271	21.78				
100	QPSK	135	0	21.13			26.0	1.0
100	QPSK	135	69	22.19			27.0	0.0
100	QPSK	135	138	20.98			26.0	1.0
100	QPSK	270	0	21.08				
100	16QAM	1	1	21.07			26.0	1.0
100	64QAM	1	1	19.74			24.5	2.5
100	256QAM	1	1	17.28			22.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	21.97	22.22	22.10	23.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	21.97	22.16	22.04	23.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.02	22.17	22.07	23.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.06	22.18	22.04	23.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.06	22.18	22.05	23.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	21.99	22.19	22.01	23.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.04	22.14	22.02	23.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.05	22.22	22.01	23.0	0.0

Part27Q n78 PC3 ANT4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.28			24.0	0.0
100	PI/2 BPSK	1	137	22.32				
100	PI/2 BPSK	1	271	22.40				
100	PI/2 BPSK	135	0	21.86				
100	PI/2 BPSK	135	69	22.34			23.5	0.5
100	PI/2 BPSK	135	138	21.82			24.0	0.0
100	PI/2 BPSK	270	0	21.91			23.5	0.5
100	QPSK	1	1	22.42			24.0	0.0
100	QPSK	1	137	22.40				
100	QPSK	1	271	22.39				
100	QPSK	135	0	21.31				
100	QPSK	135	69	22.39			23.0	1.0
100	QPSK	135	138	21.30			24.0	0.0
100	QPSK	270	0	21.39			23.0	1.0
100	16QAM	1	1	21.40			23.0	1.0
100	64QAM	1	1	19.86			21.5	2.5
100	256QAM	1	1	17.93			19.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.16	22.18	22.22	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.23	22.21	22.21	24.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.17	22.20	22.23	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.24	22.10	22.24	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.18	22.16	22.16	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.26	22.10	22.15	24.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.23	22.19	22.19	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.18	22.12	22.23	24.0	0.0

Part27Q n78 PC2 ANT4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	25.59			27.0	0.0
100	PI/2 BPSK	1	137	25.74				
100	PI/2 BPSK	1	271	25.71				
100	PI/2 BPSK	135	0	25.10				
100	PI/2 BPSK	135	69	25.72			26.5	0.0
100	PI/2 BPSK	135	138	25.21			27.0	0.0
100	PI/2 BPSK	270	0	25.18			26.5	0.5
100	QPSK	1	1	25.81			27.0	0.0
100	QPSK	1	137	25.75				
100	QPSK	1	271	25.83				
100	QPSK	135	0	24.66				
100	QPSK	135	69	25.66			26.0	1.0
100	QPSK	135	138	24.60			27.0	0.0
100	QPSK	270	0	24.62			26.0	1.0
100	16QAM	1	1	24.64			26.0	1.0
100	64QAM	1	1	23.19			24.5	2.5
100	256QAM	1	1	20.87			22.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	25.72	25.66	25.58	27.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	25.75	25.71	25.63	27.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	25.75	25.75	25.82	27.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	25.66	25.63	25.62	27.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	25.74	25.66	25.57	27.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	25.75	25.66	25.61	27.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	25.76	25.64	25.65	27.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	25.74	25.65	25.64	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				633334			21.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.72				
100	PI/2 BPSK	1	137	19.71				
100	PI/2 BPSK	1	271	19.67			20.5	0.5
100	PI/2 BPSK	135	0	19.20				
100	PI/2 BPSK	135	69	19.72				
100	PI/2 BPSK	135	138	19.17				
100	PI/2 BPSK	270	0	19.27			20.5	0.5
100	QPSK	1	1	19.75			21.0	0.0
100	QPSK	1	137	19.74				
100	QPSK	1	271	19.69				
100	QPSK	135	0	18.73				
100	QPSK	135	69	19.74			21.0	0.0
100	QPSK	135	138	18.66			20.0	1.0
100	QPSK	270	0	18.73				
100	16QAM	1	1	18.82				
100	64QAM	1	1	17.39				
100	256QAM	1	1	15.16			16.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.65	19.58	19.72	21.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.53	19.63	19.60	21.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.68	19.59	19.61	21.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.52	19.55	19.56	21.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.53	19.74	19.53	21.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.52	19.54	19.64	21.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.59	19.71	19.61	21.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.57	19.68	19.46	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					633334		27.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.68			
100	PI/2 BPSK	1	137		22.67			
100	PI/2 BPSK	1	271		22.58		26.5	0.5
100	PI/2 BPSK	135	0		22.13			
100	PI/2 BPSK	135	69		22.53			
100	PI/2 BPSK	135	138		22.13			
100	PI/2 BPSK	270	0		22.23		26.5	0.5
100	QPSK	1	1		22.75		27.0	0.0
100	QPSK	1	137		22.64			
100	QPSK	1	271		22.81			
100	QPSK	135	0		21.69			
100	QPSK	135	69		22.57		27.0	0.0
100	QPSK	135	138		21.62		26.0	1.0
100	QPSK	270	0		21.73			
100	16QAM	1	1		21.69			
100	64QAM	1	1		20.30			
100	256QAM	1	1		17.89		22.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.66	22.62	22.64	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.69	22.65	22.63	24.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.64	22.69	22.64	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.59	22.67	22.59	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.69	22.71	22.67	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.63	22.69	22.67	24.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.66	22.69	22.64	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.59	22.65	22.51	24.0	0.0

Part27Q n78 ANT8 PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334		23.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	21.69				
100	PI/2 BPSK	1	137	21.62				
100	PI/2 BPSK	1	271	21.69			22.5	0.5
100	PI/2 BPSK	135	0	21.28				
100	PI/2 BPSK	135	69	21.58				
100	PI/2 BPSK	135	138	21.04				
100	PI/2 BPSK	270	0	21.07			23.0	0.0
100	QPSK	1	1	21.72				
100	QPSK	1	137	21.67				
100	QPSK	1	271	21.64				
100	QPSK	135	0	20.76			22.0	1.0
100	QPSK	135	69	21.71				
100	QPSK	135	138	20.62				
100	QPSK	270	0	20.63				
100	16QAM	1	1	20.74			22.0	1.0
100	64QAM	1	1	19.29				
100	256QAM	1	1	16.83				
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	21.59	21.69	21.67	23.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	21.64	21.68	21.62	23.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	21.61	21.68	21.61	23.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	21.55	21.62	21.59	23.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	21.58	21.61	21.55	23.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	21.59	21.62	21.61	23.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	21.56	21.59	21.57	23.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	21.55	21.54	21.45	23.0	0.0

Part27Q n78 ANT8 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		27.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	24.70				
100	PI/2 BPSK	1	137	24.75				
100	PI/2 BPSK	1	271	24.81			26.5	0.5
100	PI/2 BPSK	135	0	24.29				
100	PI/2 BPSK	135	69	24.77				
100	PI/2 BPSK	135	138	24.20				
100	PI/2 BPSK	270	0	24.15			27.0	0.0
100	QPSK	1	1	24.88				
100	QPSK	1	137	24.64				
100	QPSK	1	271	24.81				
100	QPSK	135	0	23.77			26.0	1.0
100	QPSK	135	69	24.68				
100	QPSK	135	138	23.66				
100	QPSK	270	0	23.74				
100	16QAM	1	1	23.74			26.0	1.0
100	64QAM	1	1	22.35				
100	256QAM	1	1	20.36				
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	24.74	24.77	24.79	26.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	24.78	24.80	24.70	26.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	24.70	24.81	24.70	26.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	24.78	24.80	24.79	26.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	24.75	24.76	24.72	26.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	24.71	24.78	24.75	26.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	24.79	24.80	24.77	26.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	24.73	24.78	24.65	26.0	0.0

Reduced Power Mode for 5G NR

n7 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	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	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PV2 BPSK	1	1	23.23	23.13	23.08			
40	PV2 BPSK	1	108	23.21	23.22	23.11	24.0	0.0	
40	PV2 BPSK	1	214	23.19	23.16	23.17			
40	PV2 BPSK	108	0	22.63	22.60	22.57		0.5	
40	PV2 BPSK	108	54	23.21	23.12	23.08	23.5	0.5	
40	PV2 BPSK	108	108	22.66	22.66	22.69			
40	PV2 BPSK	216	0	22.80	22.72	22.81			
40	QPSK	1	1	23.18	23.27	23.22	24.0	0.0	
40	QPSK	1	108	23.07	23.20	23.10			
40	QPSK	1	214	23.10	23.23	23.22			
40	QPSK	108	0	22.13	22.14	22.24	23.0	1.0	
40	QPSK	108	54	23.14	23.22	23.15			
40	QPSK	108	108	22.22	22.21	22.28		1.0	
40	QPSK	216	0	22.20	22.26	22.21	23.0	1.0	
40	16QAM	1	1	22.24	22.13	22.11			
40	64QAM	1	1	20.90	20.80	20.76		2.5	
40	256QAM	1	1	18.59	18.57	18.68	19.5	4.5	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555		MPR (dB)	
30	QPSK	1	1	23.19	23.22	23.11	24.0	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5		MPR (dB)	
25	QPSK	1	1	23.16	23.28	23.11	24.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560		MPR (dB)	
20	QPSK	1	1	23.20	23.25	23.19	24.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5		MPR (dB)	
15	QPSK	1	1	23.22	23.17	23.12	24.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2305	2535	2565		MPR (dB)	
10	QPSK	1	1	23.20	23.24	23.15	24.0	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5		MPR (dB)	
5	QPSK	1	1	23.20	23.19	23.17	24.0	0.0	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570		MPR (dB)	

n66 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	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)				1730	1745	1760			
40	PV2 BPSK	1	1	22.12	22.22	22.16			
40	PV2 BPSK	1	108	22.13	22.23	22.10	24.0	0.0	
40	PV2 BPSK	1	214	22.10	22.14	22.27			
40	PV2 BPSK	108	0	21.73	21.77	21.84		0.5	
40	PV2 BPSK	108	54	22.05	22.21	22.03	23.5	0.5	
40	PV2 BPSK	108	108	21.78	21.68	21.75			
40	PV2 BPSK	216	0	21.89	21.78	21.67			
40	QPSK	1	1	22.19	22.28	22.14	24.0	0.0	
40	QPSK	1	108	22.25	22.17	22.01			
40	QPSK	1	214	22.17	22.21	22.18			
40	QPSK	108	0	21.11	21.25	21.27	23.0	1.0	
40	QPSK	108	54	22.12	22.20	22.09			
40	QPSK	108	108	21.32	21.16	21.19		1.0	
40	QPSK	216	0	21.23	21.26	21.14	23.0	1.0	
40	16QAM	1	1	21.39	21.23	21.38			
40	64QAM	1	1	19.75	19.61	19.70		2.5	
40	256QAM	1	1	17.73	17.73	17.76	19.5	4.5	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765		MPR (dB)	
30	QPSK	1	1	22.17	22.24	22.05	24.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770		MPR (dB)	
20	QPSK	1	1	22.14	22.23	22.15	24.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5		MPR (dB)	
15	QPSK	1	1	22.09	22.09	22.16	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775		MPR (dB)	
10	QPSK	1	1	22.10	22.23	22.05	24.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5		MPR (dB)	
5	QPSK	1	1	22.07	22.16	22.07	24.0	0.0	
Channel				342000	349000	356000			
Frequency (MHz)				1710	1745	1780		MPR (dB)	

n38 Ant0 DSI2 Standalone&Simultaneous								
BW [MHz]	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	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.97	23.10	23.00		
40	PI/2 BPSK	1	53	22.98	23.11	22.97	23.5	0.5
40	PI/2 BPSK	1	104	22.90	23.03	22.92		
40	PI/2 BPSK	50	0	22.48	22.60	22.57		
40	PI/2 BPSK	50	28	22.96	23.02	22.93	24.0	0.0
40	PI/2 BPSK	50	56	22.64	22.61	22.53	23.5	0.5
40	PI/2 BPSK	100	0	22.63	22.55	22.61		
40	QPSK	1	1	23.21	23.25	23.22		
40	QPSK	1	53	23.16	23.20	23.05	24.0	0.0
40	QPSK	1	104	23.17	23.22	23.13		
40	QPSK	50	0	22.03	22.15	22.18	23.0	1.0
40	QPSK	50	28	23.01	23.12	23.02	24.0	0.0
40	QPSK	50	56	22.19	22.12	22.25	23.0	1.0
40	QPSK	100	0	22.12	22.25	22.23		
40	16QAM	1	1	22.11	22.09	22.19	23.0	1.0
40	64QAM	1	1	20.62	20.60	20.58	21.5	2.5
40	256QAM	1	1	18.46	18.48	18.53	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.14	23.20	23.09	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.19	23.20	23.11	24.0	0.0



n2 Ant1 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	Pl2 BPSK	1	1	17.67	17.75	17.75		
20	Pl2 BPSK	1	53	17.67	17.79	17.76	19.1	0.0
20	Pl2 BPSK	1	104	17.58	17.71	17.80		
20	Pl2 BPSK	50	0	17.80	17.68	17.66	19.1	0.0
20	Pl2 BPSK	50	28	17.67	17.86	17.70	19.1	0.0
20	Pl2 BPSK	50	56	17.75	17.68	17.59	19.1	0.0
20	Pl2 BPSK	100	0	17.88	17.73	17.72		
20	QPSK	1	1	17.92	17.97	17.84		
20	QPSK	1	53	17.81	17.76	17.88	19.1	0.0
20	QPSK	1	104	17.68	17.78	17.88		
20	QPSK	50	0	17.83	17.73	17.69	19.1	0.0
20	QPSK	50	28	17.78	17.89	17.71	19.1	0.0
20	QPSK	50	56	17.94	17.76	17.68	19.1	0.0
20	QPSK	100	0	17.76	17.96	17.73	19.1	0.0
20	16QAM	1	1	17.73	17.70	17.67	19.1	0.0
20	64QAM	1	1	17.77	17.78	17.72	19.1	0.0
20	256QAM	1	1	17.63	17.60	17.73	19.1	0.0
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1887.5	1880	1902.5		
15	QPSK	1	1	17.78	17.82	17.70	19.1	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
10	QPSK	1	1	17.71	17.93	17.72	19.1	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	17.70	17.88	17.80	19.1	0.0

n2 Ant1 DSI2 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	Pl2 BPSK	1	1	16.34	16.29	16.35		
20	Pl2 BPSK	1	53	16.28	16.39	16.36	17.8	0.0
20	Pl2 BPSK	1	104	16.22	16.29	16.36		
20	Pl2 BPSK	50	0	16.32	16.32	16.22	17.8	0.0
20	Pl2 BPSK	50	28	16.36	16.44	16.22	17.8	0.0
20	Pl2 BPSK	50	56	16.34	16.32	16.23	17.8	0.0
20	Pl2 BPSK	100	0	16.42	16.34	16.20		
20	QPSK	1	1	16.50	16.60	16.40		
20	QPSK	1	53	16.29	16.40	16.44	17.8	0.0
20	QPSK	1	104	16.19	16.40	16.50		
20	QPSK	50	0	16.40	16.28	16.27	17.8	0.0
20	QPSK	50	28	16.45	16.48	16.30	17.8	0.0
20	QPSK	50	56	16.43	16.40	16.31	17.8	0.0
20	QPSK	100	0	16.33	16.43	16.26	17.8	0.0
20	16QAM	1	1	16.28	16.33	16.21	17.8	0.0
20	64QAM	1	1	16.37	16.37	16.40	17.8	0.0
20	256QAM	1	1	16.50	16.47	16.39	17.8	0.0
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1887.5	1880	1902.5		
15	QPSK	1	1	16.46	16.45	16.31	17.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
10	QPSK	1	1	16.45	16.51	16.28	17.8	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	16.38	16.47	16.25	17.8	0.0

n5 Ant1 DSI2 Standalone

BW [MHz]	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	837		
20	Pl2 BPSK	1	1	21.56	21.51	21.58		
20	Pl2 BPSK	1	53	21.56	21.65	21.65	22.8	0.0
20	Pl2 BPSK	1	104	21.48	21.49	21.66		
20	Pl2 BPSK	50	0	21.62	21.57	21.54	22.8	0.0
20	Pl2 BPSK	50	28	21.53	21.69	21.59	22.8	0.0
20	Pl2 BPSK	50	56	21.59	21.53	21.39	22.8	0.0
20	Pl2 BPSK	100	0	21.64	21.60	21.48		
20	QPSK	1	1	21.70	21.82	21.61		
20	QPSK	1	53	21.56	21.53	21.71	22.8	0.0
20	QPSK	1	104	21.45	21.58	21.73		
20	QPSK	50	0	21.58	21.62	21.47	22.8	0.0
20	QPSK	50	28	21.58	21.75	21.51	22.8	0.0
20	QPSK	50	56	21.58	21.58	21.52	22.8	0.0
20	QPSK	100	0	21.60	21.67	21.53	22.8	0.0
20	16QAM	1	1	21.53	21.61	21.58	22.8	0.0
20	64QAM	1	1	20.40	20.58	20.39	21.5	1.3
20	256QAM	1	1	18.06	18.03	17.99	19.5	3.3
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.63	21.69	21.45	22.8	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				830	836.5	844		
10	QPSK	1	1	21.64	21.65	21.50	22.8	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
5	QPSK	1	1	21.61	21.60	21.56	22.8	0.0

n5 Ant1 DS12 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	838		
20	PI2 BPSK	1	1	20.10	20.17	20.16	21.5	0.0
20	PI2 BPSK	1	53	20.11	20.23	20.19		
20	PI2 BPSK	1	104	20.03	20.12	20.28		
20	PI2 BPSK	50	0	20.16	20.17	20.08	21.5	0.0
20	PI2 BPSK	50	28	20.09	20.31	20.03	21.5	0.0
20	PI2 BPSK	50	56	20.25	20.15	20.01	21.5	0.0
20	PI2 BPSK	100	0	20.29	20.19	20.05	21.5	0.0
20	QPSK	1	1	20.35	20.38	20.26		
20	QPSK	1	53	20.11	20.19	20.36		
20	QPSK	1	104	20.01	20.15	20.31	21.5	0.0
20	QPSK	50	0	20.20	20.19	20.09	21.5	0.0
20	QPSK	50	28	20.23	20.28	20.15	21.5	0.0
20	QPSK	50	56	20.21	20.16	20.15	21.5	0.0
20	QPSK	100	0	20.20	20.20	20.15	21.5	0.0
20	16QAM	1	1	20.16	20.18	20.12	21.5	0.0
20	64QAM	1	1	19.70	19.81	19.79	21.5	0.0
20	256QAM	1	1	18.05	18.03	17.89	19.5	2.0
Channel				167300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	20.20	20.33	20.17	21.5	0.0
Channel				167300	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836	836.5	844	(dBm)	(dB)
10	QPSK	1	1	20.22	20.29	20.22	21.5	0.0
Channel				168300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				830.5	836.5	840.5	(dBm)	(dB)
5	QPSK	1	1	20.13	20.26	20.18	21.5	0.0

n66 Ant1 DSI2 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Ch. / Freq.	High Ch. / Freq.		
Channel				346000	346000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	17.40	17.40	17.47	18.8	0.0
40	PI2 BPSK	1	108	17.37	17.49	17.49		
40	PI2 BPSK	1	214	17.31	17.43	17.49		
40	PI2 BPSK	108	0	17.46	17.42	17.38	18.8	0.0
40	PI2 BPSK	108	54	17.42	17.54	17.36	18.8	0.0
40	PI2 BPSK	108	108	17.48	17.43	17.32	18.8	0.0
40	PI2 BPSK	216	0	17.55	17.42	17.36	18.8	0.0
40	QPSK	1	1	17.60	17.78	17.71		
40	QPSK	1	108	17.34	17.51	17.58		
40	QPSK	1	214	17.34	17.45	17.57	18.8	0.0
40	QPSK	108	0	17.48	17.44	17.39	18.8	0.0
40	QPSK	108	54	17.62	17.65	17.57	18.8	0.0
40	QPSK	108	108	17.53	17.48	17.42	18.8	0.0
40	QPSK	216	0	17.47	17.70	17.38	18.8	0.0
40	16QAM	1	1	17.38	17.43	17.36	18.8	0.0
40	64QAM	1	1	17.48	17.51	17.45	18.8	0.0
40	256QAM	1	1	17.57	17.65	17.47	18.8	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	17.55	17.51	17.46	18.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	17.48	17.52	17.37	18.8	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	17.52	17.59	17.39	18.8	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	17.57	17.27	17.43	18.8	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	17.52	17.50	17.45	18.8	0.0

n66 Ant1 DS12 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dbi)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	16.26	16.28	16.36	17.5	0.0
40	PI2 BPSK	1	108	16.30	16.37	16.38		
40	PI2 BPSK	1	214	16.24	16.31	16.43		
40	PI2 BPSK	108	0	16.34	16.36	16.31	17.5	0.0
40	PI2 BPSK	108	54	16.33	16.42	16.21	17.5	0.0
40	PI2 BPSK	108	108	16.37	16.34	16.27	17.5	0.0
40	PI2 BPSK	216	0	16.48	16.34	16.32	17.5	0.0
40	QPSK	1	1	16.51	16.55	16.40		
40	QPSK	1	108	16.26	16.44	16.46		
40	QPSK	1	214	16.27	16.33	16.49	17.5	0.0
40	QPSK	108	0	16.33	16.36	16.26	17.5	0.0
40	QPSK	108	54	16.40	16.45	16.31	17.5	0.0
40	QPSK	108	108	16.38	16.44	16.34	17.5	0.0
40	QPSK	216	0	16.37	16.48	16.27	17.5	0.0
40	16QAM	1	1	16.29	16.34	16.20	17.5	0.0
40	64QAM	1	1	16.38	16.42	16.37	17.5	0.0
40	256QAM	1	1	16.51	16.43	16.41	17.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dbi)
Frequency (MHz)				1725	1745	1765	(dBm)	(dbi)
30	QPSK	1	1	16.36	16.44	16.29	17.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dbi)
Frequency (MHz)				1720	1745	1750	(dBm)	(dbi)
20	QPSK	1	1	16.38	16.50	16.31	17.5	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dbi)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dbi)
15	QPSK	1	1	16.40	16.51	16.35	17.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dbi)
Frequency (MHz)				1715	1745	1775	(dBm)	(dbi)
10	QPSK	1	1	16.35	16.47	16.34	17.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dbi)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dbi)
5	QPSK	1	1	16.47	16.39	16.27	17.5	0.0

Part27Q n78 Ant4 PC2&PC3 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	14.07			15.3	0.0
100	PI/2 BPSK	1	137	14.10				
100	PI/2 BPSK	1	271	14.04				
100	PI/2 BPSK	135	0	14.05				
100	PI/2 BPSK	135	69	14.18			15.3	0.0
100	PI/2 BPSK	135	138	13.95			15.3	0.0
100	PI/2 BPSK	270	0	14.01				
100	QPSK	1	1	14.23			15.3	0.0
100	QPSK	1	137	14.12				
100	QPSK	1	271	14.10				
100	QPSK	135	0	14.00				
100	QPSK	135	69	14.11			15.3	0.0
100	QPSK	135	138	14.06			15.3	0.0
100	QPSK	270	0	14.08				
100	16QAM	1	1	14.02			15.3	0.0
100	64QAM	1	1	14.08			15.3	0.0
100	256QAM	1	1	14.07			15.3	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	14.15	14.17	14.09	15.3	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	14.10	14.06	14.09	15.3	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	14.14	14.11	14.15	15.3	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	14.10	14.08	14.11	15.3	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	14.19	14.14	14.15	15.3	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	14.19	14.15	14.12	15.3	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	14.18	14.08	14.19	15.3	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	14.13	14.09	14.11	15.3	0.0

Part27Q n78 Ant4 PC2&PC3 DSI2 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	12.72			14.0	0.0
100	PI/2 BPSK	1	137	12.74				
100	PI/2 BPSK	1	271	12.70				
100	PI/2 BPSK	135	0	12.72				
100	PI/2 BPSK	135	69	12.85			14.0	0.0
100	PI/2 BPSK	135	138	12.60			14.0	0.0
100	PI/2 BPSK	270	0	12.69				
100	QPSK	1	1	12.91			14.0	0.0
100	QPSK	1	137	12.85				
100	QPSK	1	271	12.78				
100	QPSK	135	0	12.67				
100	QPSK	135	69	12.81			14.0	0.0
100	QPSK	135	138	12.70			14.0	0.0
100	QPSK	270	0	12.75				
100	16QAM	1	1	12.74			14.0	0.0
100	64QAM	1	1	12.82			14.0	0.0
100	256QAM	1	1	12.79			14.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	12.70	12.78	12.73	14.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	12.68	12.77	12.66	14.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	12.54	12.73	12.69	14.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	12.57	12.67	12.73	14.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	12.65	12.72	12.73	14.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	12.64	12.75	12.69	14.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	12.59	12.76	12.64	14.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	12.55	12.73	12.70	14.0	0.0



Part27Q n78 Ant2 PC3 DSI2 Default Power

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				633334		3500.01			
Frequency (MHz)									
100	PI2 BPSK	1	1		19.06				
100	PI2 BPSK	1	137		19.15		20.0	0.0	
100	PI2 BPSK	1	271		19.85				
100	PI2 BPSK	135	0		18.78		19.5	0.5	
100	PI2 BPSK	135	69		19.13		20.0	0.0	
100	PI2 BPSK	135	138		18.57		19.5	0.5	
100	PI2 BPSK	270	0		18.86				
100	QPSK	1	1		19.17				
100	QPSK	1	137		19.02		20.0	0.0	
100	QPSK	1	271		18.87				
100	QPSK	135	0		18.14		19.0	1.0	
100	QPSK	135	69		19.10		20.0	0.0	
100	QPSK	135	138		17.97		19.0	1.0	
100	QPSK	270	0		18.14				
100	16QAM	1	1		18.26		19.0	1.0	
100	64QAM	1	1		18.95		17.5	2.5	
100	256QAM	1	1		18.36		15.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.94	18.95	18.91	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		18.95	18.94	18.89	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		18.90	19.03	18.88	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		18.99	18.97	18.89	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		18.91	18.92	18.89	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		18.95	18.94	18.97	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		18.89	19.03	18.98	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		18.98	18.94	18.90	20.0	0.0

Part27Q n78 Ant2 PC2&PC3 DSI2 Standalone

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				633334		3500.01			
Frequency (MHz)				633334					
100	PI2 BPSK	1	1		12.25				
100	PI2 BPSK	1	137		12.28		13.3	0.0	
100	PI2 BPSK	1	271		12.25				
100	PI2 BPSK	135	0		12.28		13.3	0.0	
100	PI2 BPSK	135	69		12.31		13.3	0.0	
100	PI2 BPSK	135	138		12.19		13.3	0.0	
100	PI2 BPSK	270	0		12.14				
100	QPSK	1	1		12.30				
100	QPSK	1	137		12.30		13.3	0.0	
100	QPSK	1	271		12.34				
100	QPSK	135	0		12.25		13.3	0.0	
100	QPSK	135	69		12.35		13.3	0.0	
100	QPSK	135	138		12.22		13.3	0.0	
100	QPSK	270	0		12.37				
100	16QAM	1	1		12.14		13.3	0.0	
100	64QAM	1	1		12.29		13.3	0.0	
100	256QAM	1	1		12.20		13.3	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		12.00	12.17	12.28	13.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		12.01	12.15	12.22	13.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		12.07	12.20	12.21	13.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		11.99	12.13	12.26	13.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		12.07	12.12	12.23	13.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		12.05	12.18	12.19	13.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		12.00	12.21	12.26	13.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		12.03	12.17	12.22	13.3	0.0

Part27Q n78 Ant2 PC2&PC3 DSI2 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)									
100	PI2 BPSK	1	1		10.80				
100	PI2 BPSK	1	137		10.85		12.0	0.0	
100	PI2 BPSK	1	271		10.89				
100	PI2 BPSK	135	0		10.92		12.0	0.0	
100	PI2 BPSK	135	69		10.88		12.0	0.0	
100	PI2 BPSK	135	138		10.83				
100	PI2 BPSK	270	0		10.72		12.0	0.0	
100	QPSK	1	1		10.97				
100	QPSK	1	137		10.90		12.0	0.0	
100	QPSK	1	271		10.89				
100	QPSK	135	0		10.84		12.0	0.0	
100	QPSK	135	69		10.90		12.0	0.0	
100	QPSK	135	138		10.77		12.0	0.0	
100	QPSK	270	0		10.92				
100	16QAM	1	1		10.78		12.0	0.0	
100	64QAM	1	1		10.84		12.0	0.0	
100	256QAM	1	1		10.78		12.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		10.58	10.74	10.81	12.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		10.67	10.78	10.89	12.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		10.67	10.70	10.80	12.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		10.57	10.79	10.84	12.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		10.64	10.76	10.81	12.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		10.60	10.70	10.80	12.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		10.58	10.80	10.86	12.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		10.60	10.77	10.80	12.0	0.0

Part27Q n78 Ant7 PC3 DSI2 Default Power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.72			21.0	0.0
100	PI/2 BPSK	1	137	19.71				
100	PI/2 BPSK	1	271	19.67				
100	PI/2 BPSK	135	0	19.20				
100	PI/2 BPSK	135	69	19.72			21.0	0.0
100	PI/2 BPSK	135	138	19.17			20.5	0.5
100	PI/2 BPSK	270	0	19.27				
100	QPSK	1	1	19.75			21.0	0.0
100	QPSK	1	137	19.74				
100	QPSK	1	271	19.69				
100	QPSK	135	0	18.73				
100	QPSK	135	69	19.74			21.0	0.0
100	QPSK	135	138	18.66			20.0	1.0
100	QPSK	270	0	18.73				
100	16QAM	1	1	18.82			20.0	1.0
100	64QAM	1	1	17.39			18.5	2.5
100	256QAM	1	1	15.16			16.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.65	19.58	19.72	21.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.53	19.63	19.60	21.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.68	19.59	19.61	21.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.52	19.55	19.56	21.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.53	19.74	19.53	21.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.52	19.54	19.64	21.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.59	19.71	19.61	21.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.60	19.59	19.63	21.0	0.0

Part27Q n78 Ant7 PC2DSI2 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.68			24.0	0.0
100	PI/2 BPSK	1	137	22.67				
100	PI/2 BPSK	1	271	22.58				
100	PI/2 BPSK	135	0	22.13				
100	PI/2 BPSK	135	69	22.53			24.0	0.0
100	PI/2 BPSK	135	138	22.13			23.5	0.5
100	PI/2 BPSK	270	0	22.23				
100	QPSK	1	1	22.75			24.0	0.0
100	QPSK	1	137	22.64				
100	QPSK	1	271	22.81				
100	QPSK	135	0	21.69				
100	QPSK	135	69	22.57			24.0	0.0
100	QPSK	135	138	21.52			23.0	1.0
100	QPSK	270	0	21.73				
100	16QAM	1	1	21.69			23.0	1.0
100	64QAM	1	1	20.30			21.5	2.5
100	256QAM	1	1	17.89			19.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.66	22.62	22.64	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.69	22.65	22.63	24.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.64	22.69	22.64	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.59	22.67	22.59	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.69	22.71	22.67	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.63	22.69	22.67	24.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.66	22.69	22.64	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.69	22.74	22.66	24.0	0.0

Part27Q n78 Ant8 PC2&PC3 DS12 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		20.00		21.2	0.0
100	PI/2 BPSK	1	137		19.91			
100	PI/2 BPSK	1	271		19.98			
100	PI/2 BPSK	135	0		19.98		21.2	0.0
100	PI/2 BPSK	135	69		20.02		21.2	0.0
100	PI/2 BPSK	135	138		19.90		21.2	0.0
100	PI/2 BPSK	270	0		19.78			
100	QPSK	1	1		20.03			
100	QPSK	1	137		19.92		21.2	0.0
100	QPSK	1	271		19.99			
100	QPSK	135	0		19.92		21.2	0.0
100	QPSK	135	69		19.97		21.2	0.0
100	QPSK	135	138		19.93		21.2	0.0
100	QPSK	270	0		19.95			
100	16QAM	1	1		19.83		21.2	0.0
100	64QAM	1	1		19.88		20.5	0.7
100	256QAM	1	1		18.83		18.5	2.7
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1		19.60	19.75	19.75	0.0
Channel				632505	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1		19.71	19.72	19.83	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1		19.74	19.74	19.80	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1		19.70	19.79	19.79	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1		19.68	19.78	19.76	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1		19.71	19.82	19.82	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1		19.76	19.81	19.73	0.0
Channel				630505	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1		19.74	19.80	19.78	0.0

Part27Q n78 Ant8 PC2&PC3 DS12 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			19.9	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		18.69		19.9	0.0
100	PI2 BPSK	1	137		18.58			
100	PI2 BPSK	1	271		18.71			
100	PI2 BPSK	135	0		18.70		19.9	0.0
100	PI2 BPSK	135	69		18.66		19.9	0.0
100	PI2 BPSK	135	138		18.62		19.9	0.0
100	PI2 BPSK	270	0		18.54			
100	QPSK	1	1		18.73			
100	QPSK	1	137		18.65		19.9	0.0
100	QPSK	1	271		18.62			
100	QPSK	135	0		18.67		19.9	0.0
100	QPSK	135	69		18.69		19.9	0.0
100	QPSK	135	138		18.64		19.9	0.0
100	QPSK	270	0		18.63			
100	16QAM	1	1		18.47		19.9	0.0
100	64QAM	1	1		18.56		19.9	0.0
100	256QAM	1	1		18.41		19.9	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1		18.58	18.69	18.62	0.0
Channel				632505	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1		18.64	18.67	18.63	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1		18.68	18.70	18.71	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1		18.66	18.68	18.62	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1		18.60	18.60	18.69	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1		18.59	18.69	18.70	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1		18.65	18.66	18.62	0.0
Channel				630505	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1		18.67	18.61	18.72	0.0



n7 Ant0 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2520	2535	2550	19.1	0.0
Frequency (MHz)				17.76	17.85	17.76		
40	Pi/2 BPSK	1	1	17.76	17.85	17.76	19.1	0.0
40	Pi/2 BPSK	1	108	17.74	17.94	17.79		
40	Pi/2 BPSK	1	214	17.85	17.84	17.79	19.1	0.0
40	Pi/2 BPSK	108	0	17.72	17.81	17.72		
40	Pi/2 BPSK	108	54	17.72	18.00	17.72	19.1	0.0
40	Pi/2 BPSK	108	108	17.96	17.82	17.78		
40	Pi/2 BPSK	216	0	17.81	17.84	17.73	19.1	0.0
40	QPSK	1	1	17.84	18.03	17.76		
40	QPSK	1	108	17.58	17.81	17.87	19.1	0.0
40	QPSK	1	214	17.66	17.78	18.01		
40	QPSK	108	0	17.78	17.88	17.72	19.1	0.0
40	QPSK	108	54	17.85	17.94	17.79		
40	QPSK	108	108	17.89	17.86	17.79	19.1	0.0
40	QPSK	216	0	17.79	17.90	17.87		
40	16QAM	1	1	17.78	17.83	17.72	19.1	0.0
40	64QAM	1	1	17.90	17.72	17.91		
40	256QAM	1	1	17.79	17.82	17.82	19.1	0.0
Channel				2515	2535	2555		
Frequency (MHz)				17.70	17.87	17.68	19.1	0.0
30	QPSK	1	1	17.70	17.87	17.68		
Channel				502900	507000	511500	19.1	MPR
Frequency (MHz)				2512.5	2535	2537.5		
25	QPSK	1	1	17.78	17.86	17.84	19.1	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	19.1	0.0
20	QPSK	1	1	17.79	17.83	17.69		
Channel				501600	507000	512500	19.1	MPR
Frequency (MHz)				2509.5	2535	2562.5		
15	QPSK	1	1	17.69	17.90	17.71	19.1	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	19.1	0.0
10	QPSK	1	1	17.74	17.89	17.71		
Channel				500500	507000	513500	19.1	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.73	17.95	17.70	19.1	0.0

n7 Ant0 DSI3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2520	2535	2550	16.0	0.0
Frequency (MHz)				14.65	14.77	14.75		
40	Pi/2 BPSK	1	1	14.65	14.77	14.75	16.0	0.0
40	Pi/2 BPSK	1	108	14.64	14.87	14.78		
40	Pi/2 BPSK	1	214	14.45	14.81	14.77	16.0	0.0
40	Pi/2 BPSK	108	0	14.66	14.78	14.84		
40	Pi/2 BPSK	108	54	14.66	14.89	14.83	16.0	0.0
40	Pi/2 BPSK	108	108	14.90	14.73	14.86		
40	Pi/2 BPSK	216	0	14.83	14.84	14.88	16.0	0.0
40	QPSK	1	1	14.79	14.96	14.70		
40	QPSK	1	108	14.57	14.70	14.77	16.0	0.0
40	QPSK	1	214	14.66	14.76	14.88		
40	QPSK	108	0	14.73	14.83	14.86	16.0	0.0
40	QPSK	108	54	14.75	14.90	14.79		
40	QPSK	108	108	14.85	14.84	14.71	16.0	0.0
40	QPSK	216	0	14.78	14.85	14.86		
40	16QAM	1	1	14.73	14.76	14.67	16.0	0.0
40	64QAM	1	1	14.81	14.64	14.70		
40	256QAM	1	1	14.77	14.73	14.78	16.0	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555	16.0	0.0
30	QPSK	1	1	14.64	14.95	14.66		
Channel				502500	507000	511500	16.0	MPR
Frequency (MHz)				2512.5	2535	2537.5		
25	QPSK	1	1	14.66	14.95	14.63	16.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	16.0	0.0
20	QPSK	1	1	14.75	14.92	14.58		
Channel				501500	507000	512500	16.0	MPR
Frequency (MHz)				2509.5	2535	2562.5		
15	QPSK	1	1	14.64	14.91	14.64	16.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	16.0	0.0
10	QPSK	1	1	14.73	14.93	14.59		
Channel				500500	507000	513500	16.0	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.69	14.87	14.62	16.0	0.0

n66 Ant0 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760	18.9	0.0
Frequency (MHz)				17.79	17.95	17.96		
40	Pi/2 BPSK	1	1	17.90	17.88	18.02	18.9	0.0
40	Pi/2 BPSK	1	108	17.92	18.02	17.96		
40	Pi/2 BPSK	1	214	17.79	17.95	17.96	18.9	0.0
40	Pi/2 BPSK	108	0	18.00	17.94	17.93		
40	Pi/2 BPSK	108	54	17.96	18.06	17.84	18.9	0.0
40	Pi/2 BPSK	108	108	18.02	17.94	17.84		
40	Pi/2 BPSK	216	0	18.05	17.90	17.92	18.9	0.0
40	QPSK	1	1	18.09	18.12	17.96		
40	QPSK	1	108	17.85	17.99	18.06	18.9	0.0
40	QPSK	1	214	17.90	17.90	18.03		
40	QPSK	108	0	17.95	18.00	17.90	18.9	0.0
40	QPSK	108	54	18.05	18.10	17.93		
40	QPSK	108	108	18.04	18.01	17.92	18.9	0.0
40	QPSK	216	0	17.92	18.11	17.83		
40	16QAM	1	1	17.85	17.98	17.80	18.9	0.0
40	64QAM	1	1	18.00	17.97	17.99		
40	256QAM	1	1	18.04	18.10	17.95	18.9	0.0
Channel				345500	349000	353000		
Frequency (MHz)				1725	1745	1765	18.9	0.0
30	QPSK	1	1	17.99	18.04	17.80		
Channel				344000	349000	354000	18.9	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.03	17.99	17.89	18.9	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	18.9	0.0
15	QPSK	1	1	17.93	17.97	17.82		
Channel				343000	349000	355000	18.9	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.95	18.00	17.87	18.9	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	18.9	0.0
5	QPSK	1	1	17.99	18.02	17.83		

n66 Ant0 DSI3 Simultaneous

BW [MHz]	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	349000	355000	15.3	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	13.98	14.01	14.12	15.3	0.0
40	PI2 BPSK	1	108	13.94	14.11	14.10		
40	PI2 BPSK	1	214	13.97	14.03	14.07	15.3	0.0
40	PI2 BPSK	108	0	14.01	13.97	13.98		
40	PI2 BPSK	108	54	14.02	14.09	13.97	15.3	0.0
40	PI2 BPSK	108	108	14.07	14.09	13.90		
40	PI2 BPSK	216	0	14.15	13.98	13.97	15.3	0.0
40	QPSK	1	1	14.21	14.28	14.12		
40	QPSK	1	108	13.96	14.16	14.17	15.3	0.0
40	QPSK	1	214	13.89	14.04	14.16		
40	QPSK	108	0	14.06	14.10	13.95	15.3	0.0
40	QPSK	108	54	14.17	14.27	14.25		
40	QPSK	108	108	14.15	14.08	13.99	15.3	0.0
40	QPSK	216	0	14.02	14.15	13.92		
40	16QAM	1	1	14.04	14.04	13.95	15.3	0.0
40	64QAM	1	1	14.12	14.08	14.01		
40	256QAM	1	1	14.16	14.15	14.12	15.3	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1725	1745	1765	15.3	0.0
30	QPSK	1	1	14.08	14.22	13.97		
Channel				344000	349000	354000	15.3	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	14.11	14.15	14.09	15.3	0.0
Channel				343000	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	15.3	0.0
15	QPSK	1	1	14.13	14.13	14.03		
Channel				343000	349000	355000	15.3	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	14.15	14.21	14.02	15.3	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	15.3	0.0
5	QPSK	1	1	14.05	14.16	14.01		

n38 Ant0 DSI3 Standalone								
BW [MHz]	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	18.9	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.25	17.40	17.22	18.9	0.0
40	PI/2 BPSK	1	53	17.29	17.43	17.24		
40	PI/2 BPSK	1	104	17.00	17.30	17.34	18.9	0.0
40	PI/2 BPSK	50	0	17.24	17.26	17.20		
40	PI/2 BPSK	50	28	17.18	17.51	17.20	18.9	0.0
40	PI/2 BPSK	50	56	17.44	17.32	17.27		
40	PI/2 BPSK	100	0	17.38	17.33	17.20	18.9	0.0
40	QPSK	1	1	17.27	17.54	17.23		
40	QPSK	1	53	17.08	17.31	17.41	18.9	0.0
40	QPSK	1	104	17.12	17.23	17.51		
40	QPSK	50	0	17.33	17.34	17.23	18.9	0.0
40	QPSK	50	28	17.40	17.46	17.30		
40	QPSK	50	56	17.37	17.39	17.27	18.9	0.0
40	QPSK	100	0	17.30	17.42	17.20		
40	16QAM	1	1	17.29	17.28	17.23	18.9	0.0
40	64QAM	1	1	17.35	17.22	17.38		
40	256QAM	1	1	17.27	17.32	17.36	18.9	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	17.22	17.41	17.12	18.9	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.13	17.48	17.11	18.9	0.0

n38 Ant0 DSI3 Simultaneous								
BW [MHz]	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	15.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	14.47	14.64	14.39	15.5	0.0
40	PI/2 BPSK	1	53	14.53	14.60	14.46		
40	PI/2 BPSK	1	104	14.14	14.51	14.51	15.5	0.0
40	PI/2 BPSK	50	0	14.45	14.51	14.36		
40	PI/2 BPSK	50	28	14.36	14.69	14.37	15.5	0.0
40	PI/2 BPSK	50	56	14.66	14.46	14.45		
40	PI/2 BPSK	100	0	14.56	14.50	14.46	15.5	0.0
40	QPSK	1	1	14.91	14.92	14.87		
40	QPSK	1	53	14.28	14.46	14.54	15.5	0.0
40	QPSK	1	104	14.37	14.41	14.73		
40	QPSK	50	0	14.47	14.56	14.43	15.5	0.0
40	QPSK	50	28	14.63	14.66	14.46		
40	QPSK	50	56	14.52	14.64	14.54	15.5	0.0
40	QPSK	100	0	14.50	14.59	14.35		
40	16QAM	1	1	14.48	14.43	14.38	15.5	0.0
40	64QAM	1	1	14.53	14.41	14.58		
40	256QAM	1	1	14.48	14.46	14.54	15.5	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	14.32	14.61	14.22	15.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	14.28	14.69	14.24	15.5	0.0



n2 Ant1 DSI3 Standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				372000	376000	380000				
Frequency (MHz)				1860	1880	1900				
20	Pl2 BPSK	1	1	18.20	18.26	18.25		19.2	0.0	
20	Pl2 BPSK	1	53	18.23	18.37	18.20				
20	Pl2 BPSK	1	104	18.00	18.31	18.29				
20	Pl2 BPSK	50	0	18.22	18.21	18.13	19.2			
20	Pl2 BPSK	50	28	18.23	18.43	18.14	19.2	0.0	0.0	
20	Pl2 BPSK	50	56	18.38	18.30	18.17	19.2			
20	Pl2 BPSK	100	0	18.35	18.23	18.23				
20	QPSK	1	1	18.33	18.44	18.25		19.2	0.0	
20	QPSK	1	53	18.36	18.27	18.30				
20	QPSK	1	104	18.14	18.24	18.40				
20	QPSK	50	0	18.25	18.34	18.13	19.2			
20	QPSK	50	28	18.35	18.40	18.25	19.2	0.0	0.0	
20	QPSK	50	56	18.31	18.25	18.18	19.2			
20	QPSK	100	0	18.27	18.36	18.10	19.2			
20	16QAM	1	1	18.18	18.31	18.15	19.2			
20	64QAM	1	1	18.30	18.20	18.31	19.2			
20	256QAM	1	1	18.23	18.29	18.23	19.2			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	18.21	18.38	18.13	19.2			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1880	1905				
10	QPSK	1	1	18.27	18.30	18.16	19.2			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1907.5				
5	QPSK	1	1	18.23	18.33	18.17	19.2			

n2 Ant1 DS13 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				372000	376000	380000				
Frequency (MHz)				1860	1880	1900				
20	Pl2 BPSK	1	1	18.91	18.99	18.91		17.9	0.0	
20	Pl2 BPSK	1	53	18.98	17.11	18.92				
20	Pl2 BPSK	1	104	18.65	17.02	18.96				
20	Pl2 BPSK	50	0	18.92	18.85	18.79	17.9			
20	Pl2 BPSK	50	28	18.99	17.07	18.79	17.9	0.0	0.0	
20	Pl2 BPSK	50	56	17.11	17.01	18.82	17.9			
20	Pl2 BPSK	100	0	17.03	18.87	18.95				
20	QPSK	1	1	17.07	17.16	18.94		17.9	0.0	
20	QPSK	1	53	16.73	18.92	17.00				
20	QPSK	1	104	16.88	16.81	17.10				
20	QPSK	50	0	16.80	17.02	16.78	17.9			
20	QPSK	50	28	17.01	17.09	16.93	17.9	0.0	0.0	
20	QPSK	50	56	16.99	16.93	16.86	17.9			
20	QPSK	100	0	16.91	17.04	16.82				
20	16QAM	1	1	16.89	17.03	16.81	17.9			
20	64QAM	1	1	17.01	16.84	17.03	17.9			
20	256QAM	1	1	16.93	17.01	16.88	17.9			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	17.02	17.04	16.84	17.9			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	16.96	17.08	16.77	17.9			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	1	16.99	17.01	16.79	17.9			

n5 Ant1 DSI3 Standalone										
BW [MHz]	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	Pl2 BPSK	1	1	21.98	22.10	22.03		23.5	0.0	
20	Pl2 BPSK	1	53	22.04	22.06	21.90				
20	Pl2 BPSK	1	104	21.97	22.02	22.01				
20	Pl2 BPSK	50	0	21.91	22.03	21.97	23.5			
20	Pl2 BPSK	50	28	21.95	22.09	22.00	23.5	0.0	0.0	
20	Pl2 BPSK	50	56	21.99	22.08	21.93	23.5			
20	Pl2 BPSK	100	0	22.02	22.09	21.96				
20	QPSK	1	1	22.09	22.15	22.13		23.5	0.0	
20	QPSK	1	53	22.00	21.96	22.03				
20	QPSK	1	104	22.00	22.00	22.01				
20	QPSK	50	0	21.43	21.58	21.59	23.0			
20	QPSK	50	28	21.94	22.06	22.04	23.5	0.0	0.0	
20	QPSK	50	56	21.43	21.50	21.56	23.0			
20	QPSK	100	0	21.45	21.51	21.51				
20	16QAM	1	1	21.44	21.52	21.56	23.0			
20	64QAM	1	1	20.06	20.21	20.16	21.5			
20	256QAM	1	1	18.06	18.16	18.19	19.5			
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	22.01	22.10	22.02	23.5			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	22.04	22.02	22.07	23.5			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	22.05	22.07	22.04	23.5			



n5 Ant1 DSI3 Simultaneous								
BW [MHz]	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	837		
20	PI2 BPSK	1	1	20.96	21.11	21.03		
20	PI2 BPSK	1	53	21.01	21.07	20.95	22.2	0.0
20	PI2 BPSK	1	104	21.03	21.02	21.07		
20	PI2 BPSK	50	0	20.99	21.04	20.96	22.2	0.0
20	PI2 BPSK	50	25	20.98	21.03	20.98	22.2	0.0
20	PI2 BPSK	50	55	21.02	21.07	20.95		
20	PI2 BPSK	100	0	21.00	21.01	20.99	22.2	0.0
20	QPSK	1	1	21.05	21.22	21.19		
20	QPSK	1	53	20.95	20.99	21.03	22.2	0.0
20	QPSK	1	104	21.05	21.02	20.97		
20	QPSK	50	0	21.02	21.01	20.97	22.2	0.0
20	QPSK	50	25	20.93	21.14	20.99	22.2	0.0
20	QPSK	50	55	21.05	20.99	21.02		
20	QPSK	100	0	21.03	21.05	20.95	22.2	0.0
20	16QAM	1	1	20.88	21.04	20.88	22.2	0.0
20	64QAM	1	1	20.09	20.13	20.06	21.5	0.7
20	256QAM	1	1	18.16	18.22	18.13	19.5	2.7
Channel				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.97	21.06	21.05	22.2	0.0
Channel				167300	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.93	21.18	21.08	22.2	0.0
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	840.5		
5	QPSK	1	1	20.93	21.12	21.05	22.2	0.0

n66 Ant1 DSI3 Standalone								
BW [MHz]	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	346000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	16.73	16.73	16.78		
40	PI2 BPSK	1	108	16.76	16.86	16.73	17.7	0.0
40	PI2 BPSK	1	214	16.55	16.75	16.76		
40	PI2 BPSK	108	0	16.77	16.71	16.69	17.7	0.0
40	PI2 BPSK	108	54	16.70	16.89	16.58	17.7	0.0
40	PI2 BPSK	108	108	16.83	16.75	16.63		
40	PI2 BPSK	216	0	16.81	16.73	16.74	17.7	0.0
40	QPSK	1	1	16.88	16.56	16.77		
40	QPSK	1	108	16.59	16.81	16.85	17.7	0.0
40	QPSK	1	214	16.68	16.71	16.84		
40	QPSK	108	0	16.70	16.84	16.69	17.7	0.0
40	QPSK	108	54	16.87	16.50	16.71	17.7	0.0
40	QPSK	108	108	16.86	16.76	16.73		
40	QPSK	216	0	16.73	16.83	16.65	17.7	0.0
40	16QAM	1	1	16.71	16.81	16.64	17.7	0.0
40	64QAM	1	1	16.85	16.71	16.79	17.7	0.0
40	256QAM	1	1	16.76	16.84	16.70	17.7	0.0
Channel				345500	345500	345500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.63	16.91	16.63	17.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1770		
20	QPSK	1	1	16.77	16.80	16.70	17.7	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.77	16.85	16.63	17.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.70	16.89	16.64	17.7	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.82	16.63	16.65	17.7	0.0

n66 Ant1 DSI3 Simultaneous								
BW [MHz]	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	350000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	15.30	15.33	15.42		
40	PI2 BPSK	1	108	15.34	15.42	15.33	16.4	0.0
40	PI2 BPSK	1	214	15.11	15.32	15.39		
40	PI2 BPSK	108	0	15.31	15.30	15.28	16.4	0.0
40	PI2 BPSK	108	54	15.37	15.51	15.16	16.4	0.0
40	PI2 BPSK	108	108	15.46	15.30	15.29		
40	PI2 BPSK	216	0	15.38	15.28	15.28	16.4	0.0
40	QPSK	1	1	15.51	15.56	15.41		
40	QPSK	1	108	15.19	15.46	15.49	16.4	0.0
40	QPSK	1	214	15.25	15.27	15.40		
40	QPSK	108	0	15.35	15.46	15.31	16.4	0.0
40	QPSK	108	54	15.43	15.50	15.28	16.4	0.0
40	QPSK	108	108	15.42	15.36	15.34		
40	QPSK	216	0	15.29	15.45	15.31	16.4	0.0
40	16QAM	1	1	15.31	15.40	15.27	16.4	0.0
40	64QAM	1	1	15.31	15.35	15.40	16.4	0.0
40	256QAM	1	1	15.40	15.42	15.30	16.4	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.44	15.48	15.33	16.4	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.44	15.45	15.28	16.4	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.39	15.44	15.25	16.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.37	15.52	15.26	16.4	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.44	15.50	15.35	16.4	0.0

Part27Q n78 Ant4 PC2&PC3 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.01			16.7	0.0
100	PI/2 BPSK	1	137	15.90				
100	PI/2 BPSK	1	271	16.11				
100	PI/2 BPSK	135	0	15.85				
100	PI/2 BPSK	135	69	15.87				
100	PI/2 BPSK	135	138	16.11			16.7	0.0
100	PI/2 BPSK	270	0	15.80			16.7	0.0
100	QPSK	1	1	16.14				
100	QPSK	1	137	15.79				
100	QPSK	1	271	15.87				
100	QPSK	135	0	15.76				
100	QPSK	135	69	16.01			16.7	0.0
100	QPSK	135	138	15.91			16.7	0.0
100	QPSK	270	0	15.90				
100	16QAM	1	1	15.94				
100	64QAM	1	1	15.95				
100	256QAM	1	1	15.86				
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.89	15.98	15.83	16.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	15.96	16.06	15.82	16.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.89	15.95	15.81	16.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.91	16.07	15.86	16.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.97	16.01	15.83	16.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.90	15.99	15.86	16.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.89	15.95	15.82	16.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.96	16.04	15.85	16.7	0.0

Part27Q n78 Ant4 PC2&PC3 DSI3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.82		15.4	0.0
100	PI/2 BPSK	1	137		14.75			
100	PI/2 BPSK	1	271		14.91			
100	PI/2 BPSK	135	0		14.62			
100	PI/2 BPSK	135	69		14.66			
100	PI/2 BPSK	135	138		14.91		15.4	0.0
100	PI/2 BPSK	270	0		14.58		15.4	0.0
100	QPSK	1	1		14.93			
100	QPSK	1	137		14.65			
100	QPSK	1	271		14.82			
100	QPSK	135	0		14.66			
100	QPSK	135	69		14.79		15.4	0.0
100	QPSK	135	138		14.77		15.4	0.0
100	QPSK	270	0		14.75			
100	16QAM	1	1		14.67			
100	64QAM	1	1		14.88			
100	256QAM	1	1		14.72			
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	14.61	14.71	14.59	15.4	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	14.57	14.76	14.51	15.4	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	14.66	14.68	14.60	15.4	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	14.61	14.78	14.62	15.4	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	14.67	14.74	14.51	15.4	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	14.66	14.67	14.55	15.4	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	14.59	14.72	14.52	15.4	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	14.64	14.69	14.62	15.4	0.0

Part27Q n78 Ant2 PC2&PC3 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.40			16.4	0.0
100	PI/2 BPSK	1	137	15.27				
100	PI/2 BPSK	1	271	15.25				
100	PI/2 BPSK	135	0	15.43				
100	PI/2 BPSK	135	69	15.15			16.4	0.0
100	PI/2 BPSK	135	138	15.14			16.4	0.0
100	PI/2 BPSK	270	0	15.33				
100	QPSK	1	1	15.54				
100	QPSK	1	137	15.29				
100	QPSK	1	271	15.27			16.4	0.0
100	QPSK	135	0	15.16			16.4	0.0
100	QPSK	135	69	15.31				
100	QPSK	135	138	15.25				
100	QPSK	270	0	15.30				
100	16QAM	1	1	15.28			16.4	0.0
100	64QAM	1	1	15.16			16.4	0.0
100	256QAM	1	1	15.23			16.4	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.23	15.42	15.14	16.4	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	15.27	15.44	15.18	16.4	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.32	15.39	15.22	16.4	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.27	15.48	15.15	16.4	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.30	15.46	15.14	16.4	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.23	15.39	15.22	16.4	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.30	15.47	15.19	16.4	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.22	15.40	15.13	16.4	0.0

Part27Q n78 Ant2 PC2&PC3 DSI3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.06		15.1	0.0
100	PI/2 BPSK	1	137		13.88			
100	PI/2 BPSK	1	271		13.88			
100	PI/2 BPSK	135	0		14.02			
100	PI/2 BPSK	135	69		13.71		15.1	0.0
100	PI/2 BPSK	135	138		13.75		15.1	0.0
100	PI/2 BPSK	270	0		13.93			
100	QPSK	1	1		14.15			
100	QPSK	1	137		13.91			
100	QPSK	1	271		13.87		15.1	0.0
100	QPSK	135	0		13.78		15.1	0.0
100	QPSK	135	69		14.06			
100	QPSK	135	138		13.85			
100	QPSK	270	0		13.95			
100	16QAM	1	1		13.83		15.1	0.0
100	64QAM	1	1		13.79		15.1	0.0
100	256QAM	1	1		13.77		15.1	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	13.99	14.09	13.98	15.1	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	14.03	14.12	13.95	15.1	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	14.02	14.07	13.94	15.1	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	14.00	14.04	13.98	15.1	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	13.95	14.06	13.96	15.1	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	13.96	14.02	13.97	15.1	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	13.99	14.01	13.97	15.1	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	14.00	14.03	13.88	15.1	0.0

Part27Q n78 Ant7 PC2&PC3 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633300	633334			
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	18.90				
100	PI/2 BPSK	1	137	18.69			19.5	0.0
100	PI/2 BPSK	1	271	18.79				
100	PI/2 BPSK	135	0	18.83			19.5	0.0
100	PI/2 BPSK	135	69	18.56			19.5	0.0
100	PI/2 BPSK	135	138	18.69			19.5	0.0
100	PI/2 BPSK	270	0	18.91				
100	QPSK	1	1	18.96			19.5	0.0
100	QPSK	1	137	18.71				
100	QPSK	1	271	18.62				
100	QPSK	135	0	18.69			19.5	0.0
100	QPSK	135	69	18.89			19.5	0.0
100	QPSK	135	138	18.55			19.5	0.0
100	QPSK	270	0	18.85			19.5	0.0
100	16QAM	1	1	18.68			19.5	0.0
100	64QAM	1	1	18.66			19.5	0.0
100	256QAM	1	1	18.32			19.0	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.76	18.84	18.88	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.85	18.79	18.84	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.77	18.81	18.78	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.76	18.87	18.86	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.80	18.83	18.87	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.85	18.85	18.83	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.83	18.89	18.87	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.82	18.86	18.81	19.5	0.0

Part27Q n78 Ant7 PC2&PC3 DSI3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334			
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	17.49				
100	PI/2 BPSK	1	137	17.23			18.2	0.0
100	PI/2 BPSK	1	271	17.40				
100	PI/2 BPSK	135	0	17.49			18.2	0.0
100	PI/2 BPSK	135	69	17.41			18.2	0.0
100	PI/2 BPSK	135	138	17.31			18.2	0.0
100	PI/2 BPSK	270	0	17.49				
100	QPSK	1	1	17.58			18.2	0.0
100	QPSK	1	137	17.35				
100	QPSK	1	271	17.20				
100	QPSK	135	0	17.25			18.2	0.0
100	QPSK	135	69	17.48			18.2	0.0
100	QPSK	135	138	17.12			18.2	0.0
100	QPSK	270	0	17.46			18.2	0.0
100	16QAM	1	1	17.23			18.2	0.0
100	64QAM	1	1	17.28			18.2	0.0
100	256QAM	1	1	17.39			18.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.51	17.52	17.47	18.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.53	17.49	17.53	18.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.52	17.47	17.53	18.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.52	17.42	17.51	18.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.49	17.45	17.44	18.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.53	17.51	17.42	18.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.44	17.44	17.42	18.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.45	17.49	17.49	18.2	0.0

Part27Q n78 Ant8 PC2&PC3 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		14.22		14.7	0.0	
100	PI/2 BPSK	1	137		14.12				
100	PI/2 BPSK	1	271		14.19				
100	PI/2 BPSK	135	0		14.24				
100	PI/2 BPSK	135	69		13.85		14.7	0.0	
100	PI/2 BPSK	135	138		14.15		14.7	0.0	
100	PI/2 BPSK	270	0		14.26				
100	QPSK	1	1		14.32		14.7	0.0	
100	QPSK	1	137		14.02				
100	QPSK	1	271		14.02				
100	QPSK	135	0		13.99				
100	QPSK	135	69		14.23		14.7	0.0	
100	QPSK	135	138		13.87		14.7	0.0	
100	QPSK	270	0		14.19				
100	16QAM	1	1		14.11		14.7	0.0	
100	64QAM	1	1		14.06		14.7	0.0	
100	256QAM	1	1		14.08		14.7	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		14.11	14.17	13.89	14.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		14.09	14.14	13.88	14.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		14.15	14.04	13.80	14.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		13.93	14.08	13.77	14.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		13.94	14.16	13.78	14.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		13.96	13.97	13.96	14.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		13.97	14.06	13.94	14.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		13.96	14.13	13.93	14.7	0.0

Part27Q n78 Ant8 PC2&PC3 DSI3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		13.04		13.4	0.0	
100	PI/2 BPSK	1	137		12.91				
100	PI/2 BPSK	1	271		12.89				
100	PI/2 BPSK	135	0		13.06				
100	PI/2 BPSK	135	69		12.76		13.4	0.0	
100	PI/2 BPSK	135	138		12.91		13.4	0.0	
100	PI/2 BPSK	270	0		13.06				
100	QPSK	1	1		13.23		13.4	0.0	
100	QPSK	1	137		13.05				
100	QPSK	1	271		12.78				
100	QPSK	135	0		12.89				
100	QPSK	135	69		13.13		13.4	0.0	
100	QPSK	135	138		12.90		13.4	0.0	
100	QPSK	270	0		13.15				
100	16QAM	1	1		13.12		13.4	0.0	
100	64QAM	1	1		13.07		13.4	0.0	
100	256QAM	1	1		12.87		13.4	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		13.21	13.04	13.13	13.4	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		13.21	13.04	13.17	13.4	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		13.03	13.15	13.10	13.4	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		13.08	13.13	13.15	13.4	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		13.08	13.18	13.05	13.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		13.09	13.11	13.05	13.4	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		13.05	13.08	13.12	13.4	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		13.11	13.20	13.18	13.4	0.0



n7 Ant0 DSI6 Standalone									
BW [MHz]	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	PV2 BPSK	1	1	20.09	20.89	20.82			
40	PV2 BPSK	1	108	20.84	21.02	20.87	22.2	0.0	
40	PV2 BPSK	1	214	20.59	20.78	20.77			
40	PV2 BPSK	108	0	20.87	20.82	20.72	22.2	0.0	
40	PV2 BPSK	108	54	20.81	20.86	20.70	22.2	0.0	
40	PV2 BPSK	108	108	20.94	20.78	20.82			
40	PV2 BPSK	216	0	20.98	20.75	20.85			
40	QPSK	1	1	20.97	21.10	20.90			
40	QPSK	1	108	20.71	20.91	20.88	22.2	0.0	
40	QPSK	1	214	20.73	20.96	20.86			
40	QPSK	108	0	20.86	20.90	20.80	22.2	0.0	
40	QPSK	108	54	20.90	21.02	20.94	22.2	0.0	
40	QPSK	108	108	20.79	20.84	20.67			
40	QPSK	216	0	20.74	20.85	20.79	22.2	0.0	
40	16QAM	1	1	20.62	20.81	20.67	22.2	0.0	
40	64QAM	1	1	20.56	20.69	20.62	21.5	0.7	
40	256QAM	1	1	18.50	18.42	18.55	19.5	2.7	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	20.91	20.99	20.75	22.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	20.83	20.95	20.80	22.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	20.82	20.98	20.76	22.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	20.83	21.04	20.82	22.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	20.84	21.01	20.78	22.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	20.81	21.02	20.79	22.2	0.0	

n7 Ant0 DSI6 Simultaneous									
BW [MHz]	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	PV2 BPSK	1	1	19.29	19.45	19.41			
40	PV2 BPSK	1	108	19.35	19.51	19.40	20.7	0.0	
40	PV2 BPSK	1	214	19.19	19.28	19.38			
40	PV2 BPSK	108	0	19.48	19.38	19.29	20.7	0.0	
40	PV2 BPSK	108	54	19.35	19.46	19.21	20.7	0.0	
40	PV2 BPSK	108	108	19.42	19.35	19.34	20.7	0.0	
40	PV2 BPSK	216	0	19.41	19.34	19.46			
40	QPSK	1	1	19.49	19.60	19.40			
40	QPSK	1	108	19.31	19.51	19.37	20.7	0.0	
40	QPSK	1	214	19.34	19.52	19.42			
40	QPSK	108	0	19.36	19.46	19.31	20.7	0.0	
40	QPSK	108	54	19.47	19.55	19.52	20.7	0.0	
40	QPSK	108	108	19.40	19.39	19.26	20.7	0.0	
40	QPSK	216	0	19.27	19.34	19.32			
40	16QAM	1	1	19.20	19.32	19.19	20.7	0.0	
40	64QAM	1	1	19.12	19.21	19.14	20.7	0.0	
40	256QAM	1	1	18.56	18.72	18.58	19.5	1.2	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.43	19.49	19.27	20.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.38	19.52	19.28	20.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.34	19.47	19.34	20.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.36	19.54	19.27	20.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.37	19.48	19.20	20.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.40	19.50	19.33	20.7	0.0	

n66 Ant0 DSI6 Standalone									
BW [MHz]	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	353000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	18.06	18.11	18.23			
40	PV2 BPSK	1	108	18.12	18.19	18.14	19.1	0.0	
40	PV2 BPSK	1	214	18.00	18.10	18.07			
40	PV2 BPSK	108	0	18.24	18.10	18.07	19.1	0.0	
40	PV2 BPSK	108	54	18.16	18.25	18.11	19.1	0.0	
40	PV2 BPSK	108	108	18.16	18.15	18.08	19.1	0.0	
40	PV2 BPSK	216	0	18.28	18.09	18.10			
40	QPSK	1	1	18.33	18.37	18.16			
40	QPSK	1	108	18.03	18.18	18.14	19.1	0.0	
40	QPSK	1	214	18.07	18.17	18.26			
40	QPSK	108	0	18.10	18.13	18.19	19.1	0.0	
40	QPSK	108	54	18.28	18.27	18.12	19.1	0.0	
40	QPSK	108	108	18.21	18.18	18.04	19.1	0.0	
40	QPSK	216	0	18.10	18.22	17.96			
40	16QAM	1	1	18.06	18.21	18.03	19.1	0.0	
40	64QAM	1	1	18.15	18.09	18.25	19.1	0.0	
40	256QAM	1	1	18.22	18.17	18.14	19.1	0.0	
Channel				350000	349000	353000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.18	18.24	18.05	19.1	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.24	18.22	18.11	19.1	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.21	18.29	18.08	19.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.18	18.31	18.03	19.1	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.23	18.27	18.02	19.1	0.0	

n66 Ant0 DSI6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq 344000	Power Middle Ch / Freq 349000	Power High Ch / Freq 355000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760	17.6	0.0
Frequency (MHz)								
40	PI2 BPSK	1	1	16.74	16.87	16.94	17.6	0.0
40	PI2 BPSK	1	108	16.83	16.91	16.90		
40	PI2 BPSK	1	214	16.71	16.81	16.80	17.6	0.0
40	PI2 BPSK	108	0	16.84	16.80	16.82		
40	PI2 BPSK	108	54	16.92	16.97	16.82	17.6	0.0
40	PI2 BPSK	108	108	16.86	16.83	16.81		
40	PI2 BPSK	216	0	17.02	16.75	16.83	17.6	0.0
40	QPSK	1	1	17.07	17.15	16.90		
40	QPSK	1	108	16.68	16.85	16.88	17.6	0.0
40	QPSK	1	214	16.71	16.89	16.94		
40	QPSK	108	0	16.82	16.79	16.94	17.6	0.0
40	QPSK	108	54	16.98	17.01	16.79		
40	QPSK	108	108	16.94	16.87	16.70	17.6	0.0
40	QPSK	216	0	16.84	16.98	16.72		
40	16QAM	1	1	16.81	16.91	16.72	17.6	0.0
40	64QAM	1	1	16.84	16.76	16.90		
40	256QAM	1	1	16.87	16.81	16.88	17.6	0.0
Channel				345000	349000	355000		
Frequency (MHz)				1725	1745	1765	17.6	0.0
30	QPSK	1	1	16.98	17.05	16.80		
Channel				344000	349000	354000	17.6	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.95	17.02	16.78	17.6	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	17.6	0.0
15	QPSK	1	1	16.92	16.97	16.82		
Channel				343000	349000	355000	17.6	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.94	17.03	16.82	17.6	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	17.6	0.0
5	QPSK	1	1	16.98	16.98	16.77		

n38 Ant0 DSI6 Standalone									
BW [MHz]	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	22.3	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.73	20.88	20.88	22.3	0.0	
40	PI/2 BPSK	1	53	20.82	20.99	20.83			
40	PI/2 BPSK	1	104	20.54	20.76	20.81	22.3	0.0	
40	PI/2 BPSK	50	0	20.83	20.77	20.67			
40	PI/2 BPSK	50	28	20.76	20.90	20.66	22.3	0.0	
40	PI/2 BPSK	50	56	20.91	20.79	20.83			
40	PI/2 BPSK	100	0	20.94	20.76	20.81	22.3	0.0	
40	QPSK	1	1	21.01	21.15	20.85			
40	QPSK	1	53	20.69	20.88	20.83	22.3	0.0	
40	QPSK	1	104	20.77	20.95	20.82			
40	QPSK	50	0	20.91	20.91	20.75	22.3	0.0	
40	QPSK	50	28	20.98	21.10	20.93			
40	QPSK	50	56	20.74	20.85	20.63	22.3	0.0	
40	QPSK	100	0	20.70	20.86	20.81			
40	16QAM	1	1	20.60	20.77	20.62	22.3	0.0	
40	64QAM	1	1	20.46	20.50	20.43			
40	256QAM	1	1	18.53	18.56	18.41	19.5	2.8	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.91	21.11	20.77	22.3	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.86	21.00	20.72			

n38 Ant0 DSI6 Simultaneous									
BW [MHz]	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	20.8	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.22	19.41	19.34	20.8	0.0	
40	PI/2 BPSK	1	53	19.32	19.47	19.27			
40	PI/2 BPSK	1	104	19.01	19.23	19.29	20.8	0.0	
40	PI/2 BPSK	50	0	19.28	19.30	19.18			
40	PI/2 BPSK	50	28	19.24	19.43	19.22	20.8	0.0	
40	PI/2 BPSK	50	56	19.46	19.32	19.35			
40	PI/2 BPSK	100	0	19.44	19.26	19.33	20.8	0.0	
40	QPSK	1	1	19.56	19.63	19.32			
40	QPSK	1	53	19.18	19.42	19.38	20.8	0.0	
40	QPSK	1	104	19.31	19.41	19.33			
40	QPSK	50	0	19.39	19.35	19.24	20.8	0.0	
40	QPSK	50	28	19.41	19.66	19.40			
40	QPSK	50	56	19.21	19.34	19.17	20.8	0.0	
40	QPSK	100	0	19.16	19.34	19.28			
40	16QAM	1	1	19.23	19.28	19.22	20.8	0.0	
40	64QAM	1	1	19.29	19.20	19.17			
40	256QAM	1	1	18.54	18.61	18.33	19.5	1.3	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.51	19.48	19.23	20.8	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.43	19.52	19.25			



n2 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1660	1680	1600			
Frequency (MHz)				1660	1680	1600			
20	Pl2 BPSK	1	1	20.52	20.64	20.65	22.0	0.0	
20	Pl2 BPSK	1	53	20.68	20.80	20.68			
20	Pl2 BPSK	1	104	20.43	20.63	20.57			
20	Pl2 BPSK	50	0	20.72	20.56	20.56	22.0	0.0	
20	Pl2 BPSK	50	28	20.66	20.72	20.58	22.0	0.0	
20	Pl2 BPSK	50	56	20.69	20.57	20.65	22.0	0.0	
20	Pl2 BPSK	100	0	20.77	20.58	20.59	22.0	0.0	
20	QPSK	1	1	20.79	20.52	20.75			
20	QPSK	1	53	20.51	20.75	20.73			
20	QPSK	1	104	20.51	20.73	20.69	22.0	0.0	
20	QPSK	50	0	20.63	20.74	20.60	22.0	0.0	
20	QPSK	50	28	20.73	20.76	20.69	22.0	0.0	
20	QPSK	50	56	20.70	20.63	20.52	22.0	0.0	
20	QPSK	100	0	20.56	20.54	20.56	22.0	0.0	
20	16QAM	1	1	20.48	20.67	20.50			
20	64QAM	1	1	20.24	20.37	20.19			
20	256QAM	1	1	18.04	18.21	18.10	19.5	2.5	
Channel				1670.0	1700.0	1620.0	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1667.5	1680	1602.5			
15	QPSK	1	1	20.67	20.86	20.62	22.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1665	1680	1665			
10	QPSK	1	1	20.65	20.82	20.60	22.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1662.5	1680	1667.5			
5	QPSK	1	1	20.68	20.79	20.65	22.0	0.0	

n2 Ant1 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1660	1680	1600			
20	Pl2 BPSK	1	1	19.12	19.26	19.24	20.5	0.0	
20	Pl2 BPSK	1	53	19.28	19.35	19.26			
20	Pl2 BPSK	1	104	19.08	19.20	19.16			
20	Pl2 BPSK	50	0	19.37	19.13	19.19	20.5	0.0	
20	Pl2 BPSK	50	28	19.31	19.36	19.19	20.5	0.0	
20	Pl2 BPSK	50	56	19.33	19.19	19.30	20.5	0.0	
20	Pl2 BPSK	100	0	19.34	19.17	19.21	20.5	0.0	
20	QPSK	1	1	19.33	19.47	19.30			
20	QPSK	1	53	19.10	19.36	19.52			
20	QPSK	1	104	19.11	19.33	19.20	20.5	0.0	
20	QPSK	50	0	19.23	19.30	19.17	20.5	0.0	
20	QPSK	50	28	19.30	19.34	19.32	20.5	0.0	
20	QPSK	50	56	19.33	19.19	19.12	20.5	0.0	
20	QPSK	100	0	19.16	19.23	19.16	20.5	0.0	
20	16QAM	1	1	19.06	19.28	19.06	20.5	0.0	
20	64QAM	1	1	19.18	19.20	19.11	20.5	0.0	
20	256QAM	1	1	17.99	17.94	18.04	19.5	1.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1667.5	1680	1602.5			
15	QPSK	1	1	19.18	19.34	19.21	20.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1665	1680	1665			
10	QPSK	1	1	19.28	19.39	19.26	20.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1662.5	1680	1667.5			
5	QPSK	1	1	19.19	19.41	19.19	20.5	0.0	

n5 Ant1 DSI6 Standalone									
BW [MHz]	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	837			
20	Pl2 BPSK	1	1	22.23	22.48	22.55	24.0	0.0	
20	Pl2 BPSK	1	53	22.38	22.32	22.54			
20	Pl2 BPSK	1	104	22.44	22.39	22.56			
20	Pl2 BPSK	50	0	22.17	22.12	22.17	23.5	0.5	
20	Pl2 BPSK	50	28	22.44	22.49	22.46	24.0	0.0	
20	Pl2 BPSK	50	56	22.10	22.06	22.12	23.5	0.5	
20	Pl2 BPSK	100	0	22.10	22.11	22.08	24.0	0.0	
20	QPSK	1	1	22.54	22.58	22.42			
20	QPSK	1	53	22.57	22.54	22.49			
20	QPSK	1	104	22.46	22.54	22.52	23.0	1.0	
20	QPSK	50	0	21.67	21.63	21.64	23.0	1.0	
20	QPSK	50	28	22.38	22.50	22.40	24.0	0.0	
20	QPSK	50	56	21.69	21.68	21.65	23.0	1.0	
20	QPSK	100	0	21.59	21.63	21.51	23.0	1.0	
20	16QAM	1	1	21.31	21.36	21.37	23.0	1.0	
20	64QAM	1	1	20.20	20.18	20.19	21.5	2.5	
20	256QAM	1	1	18.06	18.03	17.99	19.5	4.5	
Channel				167300	167800	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.44	22.63	22.35	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				830	836.5	844			
10	QPSK	1	1	22.47	22.56	22.30	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				825.5	836.5	846.5			
5	QPSK	1	1	22.44	22.59	22.31	24.0	0.0	

n5 Ant1 DSI6 Simultaneous							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	20.98	21.11	21.03	22.7
20	PI2 BPSK	1	53	21.01	21.07	20.95	
20	PI2 BPSK	1	104	21.03	21.02	21.07	
20	PI2 BPSK	50	0	20.99	21.04	20.96	22.7
20	PI2 BPSK	50	28	20.98	21.03	20.99	22.7
20	PI2 BPSK	50	56	21.02	21.07	20.95	22.7
20	PI2 BPSK	100	0	21.00	21.01	20.99	22.7
20	QPSK	1	1	21.05	21.22	21.19	22.7
20	QPSK	1	53	20.99	20.96	21.03	
20	QPSK	1	104	21.05	21.02	20.97	
20	QPSK	50	0	21.02	21.01	20.97	22.7
20	QPSK	50	28	20.93	21.14	20.99	22.7
20	QPSK	50	56	21.05	20.99	21.02	22.7
20	QPSK	100	0	21.03	21.05	20.95	22.7
20	16QAM	1	1	20.88	21.04	20.88	22.7
20	64QAM	1	1	20.09	20.13	20.06	21.5
20	256QAM	1	1	18.18	18.29	18.13	19.5
Channel				166300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	20.97	21.06	21.05	22.7
Channel				166900	167300	168300	
Frequency (MHz)				836	836.5	844	
10	QPSK	1	1	20.93	21.18	21.08	22.7
Channel				166300	167300	168300	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	20.93	21.12	21.06	22.7

n6 Ant1 DSI6 Standalone							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				346000	349000	352000	
Frequency (MHz)				1720	1745	1760	
40	PI2 BPSK	1	1	20.43	20.50	20.58	21.9
40	PI2 BPSK	1	108	20.56	20.65	20.59	
40	PI2 BPSK	1	214	20.35	20.50	20.47	
40	PI2 BPSK	108	0	20.58	20.48	20.52	21.9
40	PI2 BPSK	108	84	20.61	20.54	20.49	21.9
40	PI2 BPSK	108	168	20.58	20.52	20.50	21.9
40	PI2 BPSK	216	0	20.68	20.54	20.53	21.9
40	QPSK	1	1	20.70	20.80	20.60	21.9
40	QPSK	1	108	20.44	20.59	20.64	
40	QPSK	1	214	20.43	20.62	20.62	
40	QPSK	108	0	20.53	20.59	20.56	21.9
40	QPSK	108	54	20.61	20.65	20.57	21.9
40	QPSK	108	108	20.58	20.54	20.43	21.9
40	QPSK	216	0	20.44	20.57	20.40	21.9
40	16QAM	1	1	20.42	20.60	20.38	21.9
40	64QAM	1	1	19.73	19.71	19.77	21.5
40	256QAM	1	1	17.74	17.86	17.80	19.5
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	20.35	20.64	20.52	21.9
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	20.57	20.68	20.50	21.9
Channel				343000	349000	354000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	20.65	20.65	20.43	21.9
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	20.61	20.71	20.48	21.9
Channel				342000	349000	356000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	20.65	20.76	20.54	21.9

n66 Ant1 DS16 Simultaneous									
BW (MHz)	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)				1720	1745	1760			
40	PQ2 BPSK	1	1	18.98	19.05	19.17	20.4	0.0	
40	PQ2 BPSK	1	108	19.11	19.16	19.15			
40	PQ2 BPSK	1	214	18.92	19.01	19.06			
40	PQ2 BPSK	108	0	19.14	19.08	19.03	20.4	0.0	
40	PQ2 BPSK	108	54	19.18	19.18	19.09	20.4	0.0	
40	PQ2 BPSK	108	108	19.13	19.08	19.03	20.4	0.0	
40	PQ2 BPSK	216	0	19.18	19.09	19.10			
40	QPSK	1	1	19.19	19.35	19.20	20.4	0.0	
40	QPSK	1	108	18.98	19.13	19.22			
40	QPSK	1	214	18.93	19.16	19.19			
40	QPSK	108	0	19.08	19.10	19.06	20.4	0.0	
40	QPSK	108	54	19.04	19.18	19.12	20.4	0.0	
40	QPSK	108	108	18.88	19.13	18.86	20.4	0.0	
40	QPSK	216	0	18.95	19.11	18.90			
40	16QAM	1	1	18.94	19.10	18.95	20.4	0.0	
40	64QAM	1	1	18.93	19.07	19.01	20.4	0.0	
40	256QAM	1	1	17.75	17.72	17.71	19.5	0.0	
Channel				343000	343000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	19.14	19.19	19.09	20.4	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
20	QPSK	1	1	19.10	19.21	19.11	20.4	0.0	
Channel				343000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	19.09	19.25	19.07	20.4	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	19.14	19.22	19.15	20.4	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	19.13	19.26	19.10	20.4	0.0	

Part27Q n78 Ant4 PC2&PC3 DSI6 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633300	633334	633668	20.3	0.0
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	18.93	18.90	18.95	20.3	0.0
100	PI/2 BPSK	1	137	18.93	18.83		20.3	0.0
100	PI/2 BPSK	1	271	18.93	18.86		20.3	0.0
100	PI/2 BPSK	135	0	18.93	18.77		20.3	0.0
100	PI/2 BPSK	135	69	18.93	18.73		20.3	0.0
100	PI/2 BPSK	135	138	18.93	18.81		20.3	0.0
100	PI/2 BPSK	270	0	18.93	18.73		20.3	0.0
100	QPSK	1	1	18.93	19.01		20.3	0.0
100	QPSK	1	137	18.93	18.84		20.3	0.0
100	QPSK	1	271	18.93	18.77		20.3	0.0
100	QPSK	135	0	18.93	18.79		20.3	0.0
100	QPSK	135	69	18.93	19.08		20.3	0.0
100	QPSK	135	138	18.93	18.88		20.3	0.0
100	QPSK	270	0	18.93	19.02		20.3	0.0
100	16QAM	1	1	18.93	18.85		20.3	0.0
100	64QAM	1	1	18.93	18.75		20.3	0.0
100	256QAM	1	1	18.93	18.88		20.3	0.0
Channel				633000	633334	633668	20.3	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.93	18.90	18.95	20.3	0.0
Channel				632668	633334	634000	20.3	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.96	18.92	18.95	20.3	0.0
Channel				632334	633334	634334	20.3	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.96	18.96	18.95	20.3	0.0
Channel				632000	633334	634668	20.3	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.94	18.88	18.96	20.3	0.0
Channel				631668	633334	635000	20.3	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.87	18.89	18.95	20.3	0.0
Channel				631334	633334	635334	20.3	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.90	18.87	18.87	20.3	0.0
Channel				631000	633334	635668	20.3	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.94	18.89	18.91	20.3	0.0
Channel				630668	633334	636000	20.3	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.93	18.93	18.94	20.3	0.0

Part27Q n78 Ant4 PC2&PC3 DSI6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668	18.8	0.0
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	17.46	17.54	17.47	18.8	0.0
100	PI/2 BPSK	1	137	17.46	17.41		18.8	0.0
100	PI/2 BPSK	1	271	17.46	17.49		18.8	0.0
100	PI/2 BPSK	135	0	17.46	17.42		18.8	0.0
100	PI/2 BPSK	135	69	17.46	17.35		18.8	0.0
100	PI/2 BPSK	135	138	17.46	17.47		18.8	0.0
100	PI/2 BPSK	270	0	17.46	17.33		18.8	0.0
100	QPSK	1	1	17.46	17.68		18.8	0.0
100	QPSK	1	137	17.46	17.41		18.8	0.0
100	QPSK	1	271	17.46	17.40		18.8	0.0
100	QPSK	135	0	17.46	17.35		18.8	0.0
100	QPSK	135	69	17.46	17.53		18.8	0.0
100	QPSK	135	138	17.46	17.43		18.8	0.0
100	QPSK	270	0	17.46	17.50		18.8	0.0
100	16QAM	1	1	17.46	17.42		18.8	0.0
100	64QAM	1	1	17.46	17.35		18.8	0.0
100	256QAM	1	1	17.46	17.49		18.8	0.0
Channel				633000	633334	633668	18.8	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.46	17.54	17.47	18.8	0.0
Channel				632668	633334	634000	18.8	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.55	17.49	17.54	18.8	0.0
Channel				632334	633334	634334	18.8	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.53	17.51	17.54	18.8	0.0
Channel				632000	633334	634668	18.8	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.50	17.44	17.56	18.8	0.0
Channel				631668	633334	635000	18.8	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.50	17.46	17.55	18.8	0.0
Channel				631334	633334	635334	18.8	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.51	17.53	17.56	18.8	0.0
Channel				631000	633334	635668	18.8	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.48	17.55	17.47	18.8	0.0
Channel				630668	633334	636000	18.8	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.45	17.45	17.53	18.8	0.0

Part27Q n78 Ant2 PC2&PC3 DSI4&6 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.91			17.9	0.0
100	PI/2 BPSK	1	137	16.74				
100	PI/2 BPSK	1	271	16.72				
100	PI/2 BPSK	135	0	16.87				
100	PI/2 BPSK	135	69	16.55			17.9	0.0
100	PI/2 BPSK	135	138	16.60			17.9	0.0
100	PI/2 BPSK	270	0	16.70				
100	QPSK	1	1	16.98			17.9	0.0
100	QPSK	1	137	16.81				
100	QPSK	1	271	16.78				
100	QPSK	135	0	16.75			17.9	0.0
100	QPSK	135	69	16.94			17.9	0.0
100	QPSK	135	138	16.60			17.9	0.0
100	QPSK	270	0	16.74				
100	16QAM	1	1	16.68			17.9	0.0
100	64QAM	1	1	16.64			17.9	0.0
100	256QAM	1	1	16.53			17.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.76	16.87	16.78	17.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.81	16.81	16.82	17.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.71	16.78	16.83	17.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.73	16.85	16.73	17.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.74	16.77	16.77	17.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.78	16.82	16.73	17.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.80	16.83	16.80	17.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.80	16.86	16.80	17.9	0.0

Part27Q n78 Ant2 PC2&PC3 DSI4&6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.50		16.4	0.0
100	PI/2 BPSK	1	137		15.36			
100	PI/2 BPSK	1	271		15.33			
100	PI/2 BPSK	135	0		15.49			
100	PI/2 BPSK	135	69		15.17		16.4	0.0
100	PI/2 BPSK	135	138		15.18		16.4	0.0
100	PI/2 BPSK	270	0		15.34			
100	QPSK	1	1		15.59		16.4	0.0
100	QPSK	1	137		15.45			
100	QPSK	1	271		15.34			
100	QPSK	135	0		15.39		16.4	0.0
100	QPSK	135	69		15.52		16.4	0.0
100	QPSK	135	138		15.26		16.4	0.0
100	QPSK	270	0		15.39			
100	16QAM	1	1		15.33		16.4	0.0
100	64QAM	1	1		15.20		16.4	0.0
100	256QAM	1	1		15.17		16.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.31	15.40	15.37	16.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.32	15.39	15.42	16.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.30	15.48	15.40	16.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.32	15.39	15.42	16.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.35	15.41	15.48	16.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.37	15.43	15.40	16.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.31	15.46	15.40	16.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.32	15.45	15.46	16.4	0.0

Part27Q n78 Ant7 PC2&PC3 DSI4&6 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.79			20.5	0.0
100	PI/2 BPSK	1	137	19.64				
100	PI/2 BPSK	1	271	19.67				
100	PI/2 BPSK	135	0	19.72			20.5	0.0
100	PI/2 BPSK	135	69	19.42			20.5	0.0
100	PI/2 BPSK	135	138	19.61			20.5	0.0
100	PI/2 BPSK	270	0	19.78			20.5	0.0
100	QPSK	1	1	19.87				
100	QPSK	1	137	19.64				
100	QPSK	1	271	19.46			20.5	0.0
100	QPSK	135	0	19.57			20.5	0.0
100	QPSK	135	69	19.79			20.5	0.0
100	QPSK	135	138	19.44			20.5	0.0
100	QPSK	270	0	19.77			20.5	0.0
100	16QAM	1	1	19.58			20.5	0.0
100	64QAM	1	1	19.53			20.5	0.0
100	256QAM	1	1	18.28			19.5	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	20.5	0.0
90	QPSK	1	1	19.84	19.81	19.74	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	20.5	0.0
80	QPSK	1	1	19.86	19.73	19.70	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	20.5	0.0
70	QPSK	1	1	19.85	19.79	19.65	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	20.5	0.0
60	QPSK	1	1	19.85	19.82	19.74	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	20.5	0.0
50	QPSK	1	1	19.86	19.76	19.71	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	20.5	0.0
40	QPSK	1	1	19.76	19.75	19.72	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	20.5	0.0
30	QPSK	1	1	19.81	19.84	19.76	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	20.5	0.0
20	QPSK	1	1	19.76	19.72	19.71	20.5	0.0

Part27Q n78 Ant7 PC2&PC3 DSI4&6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	18.37			19.0	0.0
100	PI/2 BPSK	1	137	18.27				
100	PI/2 BPSK	1	271	18.24				
100	PI/2 BPSK	135	0	18.28			19.0	0.0
100	PI/2 BPSK	135	69	17.98			19.0	0.0
100	PI/2 BPSK	135	138	18.19			19.0	0.0
100	PI/2 BPSK	270	0	18.38			19.0	0.0
100	QPSK	1	1	18.40				
100	QPSK	1	137	18.23				
100	QPSK	1	271	18.03			19.0	0.0
100	QPSK	135	0	18.23			19.0	0.0
100	QPSK	135	69	18.34			19.0	0.0
100	QPSK	135	138	18.05			19.0	0.0
100	QPSK	270	0	18.30			19.0	0.0
100	16QAM	1	1	18.21			19.0	0.0
100	64QAM	1	1	18.17			19.0	0.0
100	256QAM	1	1	18.19			19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	19.0	0.0
90	QPSK	1	1	18.29	18.28	18.14	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	19.0	0.0
80	QPSK	1	1	18.24	18.35	18.14	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	19.0	0.0
70	QPSK	1	1	18.24	18.32	18.13	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	19.0	0.0
60	QPSK	1	1	18.32	18.31	18.22	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	19.0	0.0
50	QPSK	1	1	18.27	18.27	18.13	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	19.0	0.0
40	QPSK	1	1	18.32	18.34	18.22	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	19.0	0.0
30	QPSK	1	1	18.30	18.30	18.20	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	19.0	0.0
20	QPSK	1	1	18.24	18.36	18.14	19.0	0.0

Part27Q n78 Ant8 PC2&PC3 DSI4&6 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	20.2	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.70		20.2	0.0
100	PI/2 BPSK	1	137		18.59			
100	PI/2 BPSK	1	271		18.59			
100	PI/2 BPSK	135	0		18.77		20.2	0.0
100	PI/2 BPSK	135	69		18.52		20.2	0.0
100	PI/2 BPSK	135	138		18.74		20.2	0.0
100	PI/2 BPSK	270	0		18.81			
100	QPSK	1	1		18.93		20.2	0.0
100	QPSK	1	137		18.70			
100	QPSK	1	271		18.47			
100	QPSK	135	0		18.73		20.2	0.0
100	QPSK	135	69		18.87		20.2	0.0
100	QPSK	135	138		18.45		20.2	0.0
100	QPSK	270	0		18.82			
100	16QAM	1	1		18.69		20.2	0.0
100	64QAM	1	1		18.81		20.2	0.0
100	256QAM	1	1		18.75		20.2	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		18.79	18.76	20.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		18.90	18.84	20.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		18.80	18.78	20.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		18.84	18.88	20.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		18.90	18.81	20.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		18.83	18.74	20.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		18.88	18.88	20.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		18.74	18.79	20.2	0.0

Part27Q n78 Ant8 PC2&PC3 DSI4&6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	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	PI/2 BPSK	1	1		17.36		18.7	0.0
100	PI/2 BPSK	1	137		17.34			
100	PI/2 BPSK	1	271		17.32			
100	PI/2 BPSK	135	0		17.31		18.7	0.0
100	PI/2 BPSK	135	69		17.19		18.7	0.0
100	PI/2 BPSK	135	138		17.28		18.7	0.0
100	PI/2 BPSK	270	0		17.49			
100	QPSK	1	1		17.55		18.7	0.0
100	QPSK	1	137		17.30			
100	QPSK	1	271		17.22			
100	QPSK	135	0		17.23		18.7	0.0
100	QPSK	135	69		17.50		18.7	0.0
100	QPSK	135	138		17.14		18.7	0.0
100	QPSK	270	0		17.37			
100	16QAM	1	1		17.23		18.7	0.0
100	64QAM	1	1		17.30		18.7	0.0
100	256QAM	1	1		17.26		18.7	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	16.81	17.01	16.96	18.7	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	16.88	16.94	16.95	18.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.77	17.00	16.87	18.7	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	16.85	17.03	16.87	18.7	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	16.84	16.96	16.85	18.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.82	16.92	16.88	18.7	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	16.87	16.97	16.93	18.7	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	16.76	17.02	16.90	18.7	0.0

WLAN/Bluetooth Power

Art 3-5 Full Power Body Worn (Standalone)						Art 3-5 Head (Standalone)		Art 3-5 Head (Simultaneous)		Duty Cycle %
Headset (Standalone & Simultaneous)						Body Worn (Simultaneous)		Headset		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
	802.11a 9Mbps	1	2412	21.96	23.50	18.28	20.00	14.24	16.00	94.58
		6	2437	21.82	21.50	18.13	20.00	14.09	16.00	
	802.11g 9Mbps	11	2462	22.11	23.00	18.29	20.00	14.01	16.00	94.20
		1	2412	21.33	23.00	18.29	20.00		16.00	
	802.11n-HT20 MCS0	6	2437	21.18	23.00	18.12	20.00		16.00	93.70
		11	2462	19.52	21.00		20.00		16.00	
	802.11n-HT40 MCS0	1	2412	20.53	22.00		20.00		16.00	93.28
		6	2437	18.91	20.00		20.00		16.00	
	802.11n-HE20 MCS0	9	2462	16.03	17.50	Not Required	17.50	Not Required	16.00	94.23
		1	2412	20.56	22.00		20.00		16.00	
	802.11n-HE40 MCS0	6	2437	20.47	22.00		20.00		16.00	93.05
		11	2462	18.00	20.00		20.00		16.00	
	802.11n-HE40 MCS0	3	2422	18.89	20.50		20.00		16.00	
		6	2437	18.03	20.50		20.00		16.00	
	802.11n-HE40 MCS0	9	2462	18.08	17.50		17.50		16.00	
		3	2422	18.08	17.50		17.50		16.00	

Note: The 2.4GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

	Art 3-5 Full Power Headset (Standalone & Simultaneous)						Art 3-5 Head (Standalone)		Art 3-5 Head (Simultaneous)		Art 3-5 Body Worn (Standalone)		Art 3-5 Body Worn (Simultaneous)		Duty Cycle %	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit		
5.2GHz WLAN	802.11a 9Mbps	36	5166	19.91	21.50	18.85	20.00		15.50		19.50		16.00		94.8	
		40	5200	19.96	21.50	18.92	20.00		15.50		19.50		16.00			
		44	5220	19.85	21.50	18.80	20.00		15.50		19.50		16.00			
		48	5240	19.87	21.50	18.82	20.00		15.50		19.50		16.00			
	802.11n-HT20 MCS0	36	5166	19.07	21.00		20.00		Not Required		19.50		Not Required		16.00	94.40
		40	5200	20.70	22.00		20.00		15.50		19.50		16.00			
		44	5220	20.62	22.00		20.00		15.50		19.50		16.00			
		48	5240	20.57	22.00		20.00		15.50		19.50		16.00			
	802.11n-HT40 MCS0	36	5166	18.04	19.50	18.04	19.50	13.89	15.50	18.04	19.50	14.35	16.00		93.98	
		40	5200	18.87	20.00	18.97	20.00	13.75	15.50	18.00	19.50	14.14	16.00			
		44	5220	18.11	21.00		20.00		15.50		19.50		16.00			
		48	5240	20.78	22.00		20.00		15.50		19.50		16.00			
	802.11n-VHT20 MCS0	44	5220	20.73	22.00		20.00		15.50		19.50		16.00		94.42	
		48	5240	20.65	22.00		20.00		15.50		19.50		16.00			
		802.11n-VHT40 MCS0	36	5166	18.14	19.50		20.00		15.50		19.50		16.00		94.02
			40	5200	19.05	20.50		20.00		15.50		19.50		16.00		
802.11n-HE20 MCS0	42		5210	13.48	15.00		15.00		15.00		15.00		15.00		93.40	
	36		5166	19.27	21.00		20.00		Not Required		Not Required		Not Required		93.40	
	802.11n-HE40 MCS0	40	5200	20.91	22.00		20.00		15.50		19.50		16.00		94.23	
		44	5220	20.87	22.00		20.00		15.50		19.50		16.00			
48		5240	20.76	22.00		20.00		15.50		19.50		16.00				
36		5166	18.29	19.50		19.50		15.50		19.50		16.00				
802.11n-HE80 MCS0	46	5230	19.20	20.50		20.00		15.50		19.50		16.00		93.74		
	42	5210	13.67	15.00		15.00		15.00		15.00		15.00		93.61		

Note: The 5.2GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Art 3-5 Full Power Headset (Standalone & Simultaneous)						Art 3-5 Head (Standalone)		Art 3-5 Head (Simultaneous)		Art 3-5 Body Worn (Standalone)		Art 3-5 Body Worn (Simultaneous)		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit			
5.3GHz WLAN	802.11a 9Mbps	52	5280	20.04	21.50	18.97	20.00		15.50		19.50		94.84		
		56	5280	20.10	21.50	19.16	20.00		15.50		19.50				
		60	5300	20.08	21.50	19.04	20.00		15.50		19.50				
		64	5320	20.01	21.50	18.97	20.00	Not Required		Not Required		Not Required			
	802.11n-HT20 MCS0	52	5280	20.88	22.00		20.00		15.50		19.50		94.40		
		56	5280	20.84	22.00	Not Required	20.00		15.50		19.50				
		60	5300	20.79	22.00		20.00		15.50		19.50				
		64	5320	19.89	21.50		20.00		15.50		19.50				
	802.11n-HT40 MCS0	54	5270	19.21	20.50	19.21	20.00	34.14	15.50	18.11	19.50	14.61	19.50	93.08	
		52	5270	18.47	20.00	18.97	20.00	14.00	15.50	18.05	19.50	14.04	19.50		
		52	5280	20.50	22.00		20.00		15.50		19.50		19.50		
		56	5280	20.54	22.00		20.00		15.50		19.50		19.50		
5.3GHz WLAN	802.11a-VHT20 MCS0	60	5300	20.89	22.00		20.00		15.50		19.50		94.42		
		64	5320	19.89	21.50		20.00		15.50		19.50				
		52	5270	19.30	20.50		20.00		15.50		19.50			94.02	
		56	5280	18.77	20.00		20.00		15.50		19.50				
	802.11n-VHT40 MCS0	52	5270	13.50	14.50		14.50		14.50		14.50		93.40		
		56	5280	13.18	14.50		14.50		14.50		14.50				
		802.11n-HE20 MCS0	52	5270	21.07	22.00	Not Required	20.00	Not Required	15.50	Not Required	19.50		Not Required	94.23
			56	5280	21.06	22.00		20.00		15.50		19.50			
	60		5300	21.02	22.00		20.00		15.50		19.50				
	64		5320	19.95	21.50		20.00		15.50		19.50				
	802.11n-HE40 MCS0	54	5270	19.43	20.50		20.00		15.50		19.50		93.74		
		62	5310	16.90	20.00		20.00		15.50		19.50				
802.11n-HE80 MCS0		58	5290	15.10	14.50		14.50		14.50		14.50			93.61	
		50	5250	13.28	14.50		14.50		14.50		14.50				

Note: The 5.3GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

	Art 3-5 Power Headset (Standalone & Simultaneous)					Art 3-5 Head (Standalone)		Art 3-5 Head (Simultaneous)		Art 3-5 Body Worn (Standalone)		Art 3-5 Body Worn (Simultaneous)		Duty Cycle %
	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit		
5.5GHz WLAN	802.11a 9Mbps	100	5600	19.78	21.50	17.81	19.50		18.50		16.00		94.84	
		116	5680	19.82	21.50	17.88	19.50		18.50		16.00			
		124	5620	20.08	21.50	18.03	19.50		18.50		16.00			
		132	5660	20.15	21.50	18.06	19.50		18.50		16.00			
		140	5700	19.82	20.00	17.77	19.50		18.50		16.00			
		144	5720	20.26	21.50	18.10	19.50		18.50		16.00			
	802.11n-HT20 MCS0	100	5560	20.48	22.00		19.50		18.50		16.00		94.40	
		116	5580	20.80	22.00		19.50		18.50		16.00			
		124	5620	20.83	22.00		19.50		18.50		16.00			
		132	5660	20.88	22.00		19.50		18.50		16.00			
		140	5700	17.44	18.00		19.00		18.50		16.00			
		144	5720	20.59	22.00		19.50		18.50		16.00			
	802.11n-HT40 MCS0	102	5510	18.75	20.50		19.50		18.50		16.00		93.98	
		110	5550	18.88	20.50		19.50		18.50		16.00			
		126	5630	19.11	20.50		19.50		18.50	Not Required	16.00			
		134	5670	18.79	20.50		19.50		18.50	Not Required	16.00			
		142	5710	18.70	20.50	Not Required	19.50		18.50		16.00			
		100	5560	20.57	22.00		19.50		18.50		16.00			
	802.11n-VHT20 MCS0	116	5580	20.68	22.00		19.50		18.50		16.00		94.42	
		124	5620	20.35	22.00		19.50		18.50		16.00			
		132	5660	20.94	22.00		19.50		18.50		16.00			
		140	5700	17.53	18.00		19.00		18.50		16.00			
		144	5720	20.69	22.00		19.50		18.50		16.00			
		102	5510	18.84	20.50		19.50		18.50		16.00			
	802.11n-VHT40 MCS0	110	5550	18.96	20.50		19.50		18.50		16.00		94.02	
		126	5630	19.21	20.50		19.50		18.50		16.00			
134		5670	18.99	20.50		19.50		18.50		16.00				
142		5710	18.70	20.50		19.50		18.50		16.00				
106		5530	14.14	16.00	14.14	16.00	14.14	16.00	14.14	16.00				
122		5610	18.96	20.50	18.05	19.50	17.12	18.50	15.52	16.00				
802.11n-VHT80 MCS0	138	5690	18.76	20.50	18.01	19.50	17.10	18.50	15.19	16.00		93.43		
	114	5570	13.38	15.00		15.00		15.00		15.00				
	100	5500	20.70	22.00		19.50		18.50		16.00				
	116	5580	20.80	22.00		19.50		18.50		16.00				
	124	5620	21.08	22.00		19.50		18.50		16.00				
	132	5660	21.08	22.00		19.50		18.50		16.00				
802.11n-HE20 MCS0	140	5700	17.68	19.00		19.00		18.50		16.00		94.23		
	144	5720	20.81	22.00		19.50		18.50		16.00				
	102	5510	18.37	20.50	Not Required	19.50		18.50		16.00				
	110	5550	19.10	20.50	Not Required	19.50		18.50		16.00				
	126	5630	19.38	20.50	Not Required	19.50		18.50		16.00				
	134	5670	19.03	20.50	Not Required	19.50		18.50		16.00				
802.11n-HE40 MCS0	142	5710	18.81	20.50		19.50		18.50		16.00		93.74		
	106	5530	14.17	16.00		16.00		16.00		16.00				
	122	5610	19.07	20.50		19.50		18.50		16.00				
	138	5690	19.02	20.50		19.50		18.50		16.00				
	114	5570	13.48	15.00		15.00		15.00		15.00				
	138	5690	19.02	20.50		19.50		18.50		16.00				

BT BR/EDR Ant3

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.60	8.41	8.47
	CH 39	2441	10.83	7.03	8.48
	CH 78	2480	10.60	8.07	8.34
Tune-up Limit			11.5	9.5	9.5

BLE_1M Ant3

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.47
	CH 19	2440	7.46
	CH 39	2480	7.36
Tune-up Limit			9.5

BLE_2M Ant3

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.46
	CH 19	2440	6.98
	CH 39	2480	7.28
Tune-up Limit			9.5

BT BR/EDR Ant5

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.41	9.90	10.02
	CH 39	2441	11.84	9.17	8.85
	CH 78	2480	11.87	9.79	9.79
Tune-up Limit			13.5	11.5	11.5

BLE_1M Ant5

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	9.02
	CH 19	2440	8.70
	CH 39	2480	8.80
Tune-up Limit			10.5

BLE_2M Ant5

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.41
	CH 19	2440	8.09
	CH 39	2480	8.32
Tune-up Limit			10.5