



Full & Default Power

GSM850_Ant 13	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
	TX Channel	129	189	251	528	189	251	
Frequency (MHz)		824.2	836.4	848.6	824.2	836.4	848.6	
GSM 1 Tx slot		32.65	32.92	32.78	33.50	23.65	23.92	23.78
GPRS/EDGE GMSK 1 Tx slot		32.63	32.90	32.74	33.50	23.63	23.90	23.74
GPRS/EDGE GMSK 2 Tx slots		30.33	30.53	30.45	31.50	24.33	24.53	24.45
GPRS/EDGE GMSK 3 Tx slots		28.36	28.89	28.01	29.50	24.10	24.63	23.75
GPRS/EDGE GMSK 4 Tx slots		27.17	27.40	27.22	28.00	24.17	24.40	24.22
EDGE BPSK 1 Tx slot		26.86	26.79	26.80	28.00	17.86	17.79	17.80
EDGE BPSK 2 Tx slots		25.12	25.01	25.02	26.00	18.12	18.01	18.02
EDGE BPSK 3 Tx slots		22.97	23.01	23.05	24.00	18.71	18.75	18.79
EDGE BPSK 4 Tx slots		21.52	21.58	21.63	22.50	18.52	18.56	18.63

GSM1900_Ant 13	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot		29.83	29.86	29.85	30.50	20.83	20.86	20.85
GPRS/EDGE GMSK 1 Tx slot		29.81	29.85	29.84	30.50	20.81	20.85	20.84
GPRS/EDGE GMSK 2 Tx slots		27.68	27.73	27.61	28.50	21.68	21.73	21.61
GPRS/EDGE GMSK 3 Tx slots		25.53	25.64	25.74	26.50	21.27	21.38	21.48
GPRS/EDGE GMSK 4 Tx slots		24.46	24.49	24.38	25.00	21.46	21.49	21.38
EDGE BPSK 1 Tx slot		26.12	26.39	26.01	27.00	17.12	17.39	17.01
EDGE BPSK 2 Tx slots		24.30	24.24	24.36	25.00	18.30	18.24	18.36
EDGE BPSK 3 Tx slots		22.37	22.31	22.30	23.00	18.11	18.05	18.04
EDGE BPSK 4 Tx slots		20.56	20.51	20.52	21.50	17.56	17.51	17.52

Band	WCDMA V_Ant 13			Time-up Limit (dBm)	WCDMA V_Ant 31			Time-up Limit (dBm)
	TX Channel	5292	9800	9938	5292	9800	9938	
Rx Channel		9662	9800	9938	9662	9800	9938	
Frequency (MHz)		1852.4	1860	1907.6	1852.4	1860	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.88	23.90	23.86	24.50	23.93	23.94	23.87
3GPP Rel 99	AMR 12.2Kbps	23.90	23.91	23.89	24.50	23.94	23.95	23.89
3GPP Rel 6	HSDPA Subtest-1	22.95	22.88	22.88	24.00	22.98	22.95	22.91
3GPP Rel 6	HSDPA Subtest-2	22.93	22.92	22.88	24.00	23.00	22.95	22.93
3GPP Rel 6	HSDPA Subtest-3	22.49	22.98	22.38	23.50	22.49	22.42	22.45
3GPP Rel 6	HSDPA Subtest-4	22.49	22.37	22.41	23.50	22.52	22.43	22.45
3GPP Rel 6	DC-HSDPA Subtest-1	22.90	22.72	22.76	24.00	22.95	22.92	22.79
3GPP Rel 6	DC-HSDPA Subtest-2	22.90	22.75	22.73	24.00	22.99	22.85	22.82
3GPP Rel 6	DC-HSDPA Subtest-3	22.44	22.35	22.23	23.50	22.37	22.26	22.29
3GPP Rel 6	DC-HSDPA Subtest-4	22.34	22.35	22.35	23.50	22.50	22.39	22.31
3GPP Rel 6	HSUPA Subtest-1	22.93	22.90	22.86	24.00	22.99	22.99	22.84
3GPP Rel 6	HSUPA Subtest-2	20.97	20.96	21.01	22.00	20.92	20.96	20.93
3GPP Rel 6	HSUPA Subtest-3	21.88	21.96	21.92	23.00	21.88	21.96	21.97
3GPP Rel 6	HSUPA Subtest-4	20.95	20.97	20.91	22.00	20.94	20.90	20.90
3GPP Rel 6	HSUPA Subtest-5	22.90	22.90	22.90	24.00	23.00	22.90	22.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.85	21.86	21.83	23.00	21.89	22.05	21.86

Band	WCDMA V_Ant 13			Time-up Limit (dBm)	WCDMA V_Ant 31			Time-up Limit (dBm)
	TX Channel	4132	4182	4233	4132	4182	4233	
Rx Channel		4357	4407	4458	4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.33	24.38	24.36	25.00	24.25	24.37	24.35
3GPP Rel 99	AMR 12.2Kbps	24.35	24.40	24.37	25.00	24.27	24.35	24.38
3GPP Rel 6	HSDPA Subtest-1	23.52	23.61	23.58	24.50	23.46	23.53	23.57
3GPP Rel 6	HSDPA Subtest-2	23.54	23.57	23.59	24.50	23.47	23.54	23.54
3GPP Rel 6	HSDPA Subtest-3	22.99	23.08	23.08	24.00	22.94	22.97	23.10
3GPP Rel 6	HSDPA Subtest-4	23.02	23.09	23.08	24.00	22.94	23.00	23.06
3GPP Rel 6	DC-HSDPA Subtest-1	23.36	23.54	23.55	24.50	23.45	23.47	23.56
3GPP Rel 6	DC-HSDPA Subtest-2	23.50	23.41	23.48	24.50	23.45	23.47	23.53
3GPP Rel 6	DC-HSDPA Subtest-3	22.97	22.96	23.00	24.00	22.83	22.89	22.95
3GPP Rel 6	DC-HSDPA Subtest-4	22.99	22.96	22.99	24.00	22.81	22.85	23.04
3GPP Rel 6	HSUPA Subtest-1	23.52	23.55	23.60	24.50	23.46	23.56	23.57
3GPP Rel 6	HSUPA Subtest-2	21.54	21.59	21.59	22.50	21.50	21.51	21.51
3GPP Rel 6	HSUPA Subtest-3	22.50	22.57	22.57	23.50	22.47	22.51	22.53
3GPP Rel 6	HSUPA Subtest-4	21.56	21.59	21.58	23.00	21.52	21.47	21.58
3GPP Rel 6	HSUPA Subtest-5	23.60	23.60	23.60	24.50	23.50	23.60	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.66	22.67	22.64	23.50	22.51	22.53	22.51

GSM850_Ant 31	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
	TX Channel	129	189	251	528	189	251	
Frequency (MHz)		824.2	836.4	848.6	824.2	836.4	848.6	
GSM 1 Tx slot		32.60	32.95	32.74	33.50	23.60	23.95	23.74
GPRS/EDGE GMSK 1 Tx slot		32.59	32.91	32.72	33.50	23.59	23.91	23.72
GPRS/EDGE GMSK 2 Tx slots		30.31	30.56	30.47	31.50	24.31	24.56	24.47
GPRS/EDGE GMSK 3 Tx slots		27.60	28.65	28.62	29.50	23.34	24.59	24.36
GPRS/EDGE GMSK 4 Tx slots		27.04	27.22	27.20	28.00	24.04	24.22	24.20
EDGE BPSK 1 Tx slot		26.89	26.83	26.80	28.00	17.89	17.83	17.80
EDGE BPSK 2 Tx slots		24.98	24.81	25.01	26.00	18.98	18.81	19.01
EDGE BPSK 3 Tx slots		22.99	23.02	23.25	24.00	18.73	18.76	18.99
EDGE BPSK 4 Tx slots		21.63	21.38	21.56	22.50	18.63	18.38	18.56

GSM1900_Ant 31	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot		29.86	29.91	29.83	30.50	20.86	20.91	20.83
GPRS/EDGE GMSK 1 Tx slot		29.85	29.90	29.81	30.50	20.85	20.90	20.81
GPRS/EDGE GMSK 2 Tx slots		27.62	27.67	27.43	28.50	21.62	21.67	21.43
GPRS/EDGE GMSK 3 Tx slots		25.53	25.53	25.34	26.50	21.27	21.27	21.06
GPRS/EDGE GMSK 4 Tx slots		24.42	24.31	24.44	25.00	21.42	21.31	21.44
EDGE BPSK 1 Tx slot		25.91	25.96	26.01	27.00	18.91	18.96	17.01
EDGE BPSK 2 Tx slots		24.20	24.20	24.23	25.00	18.20	18.20	18.23
EDGE BPSK 3 Tx slots		22.18	22.17	22.35	23.00	17.92	17.91	18.09
EDGE BPSK 4 Tx slots		20.64	20.57	20.56	21.50	17.64	17.57	17.56

Band	WCDMA V_Ant 31			Time-up Limit (dBm)	WCDMA V_Ant 31			Time-up Limit (dBm)
	TX Channel	1312	1413	1513	1312	1413	1513	
Rx Channel		1537	1638	1738	1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.94	23.95	23.92	24.50	23.89	23.95	23.87
3GPP Rel 99	AMR 12.2Kbps	23.96	23.97	23.95	24.50	23.90	23.97	23.90
3GPP Rel 6	HSDPA Subtest-1	22.88	22.89	22.89	24.00	23.02	23.10	23.02
3GPP Rel 6	HSDPA Subtest-2	22.86	23.01	22.94	24.00	22.99	23.13	23.02
3GPP Rel 6	HSDPA Subtest-3	22.31	22.49	22.45	23.50	22.52	22.62	22.57
3GPP Rel 6	HSDPA Subtest-4	22.38	22.52	22.47	23.50	22.59	22.63	22.54
3GPP Rel 6	DC-HSDPA Subtest-1	22.96	22.91	22.94	24.00	23.00	22.97	22.98
3GPP Rel 6	DC-HSDPA Subtest-2	22.77	22.87	22.81	24.00	22.94	23.09	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.29	22.39	22.31	23.50	22.48	22.56	22.56
3GPP Rel 6	DC-HSDPA Subtest-4	22.32	22.50	22.42	23.50	22.44	22.61	22.49
3GPP Rel 6	HSUPA Subtest-1	22.95	23.05	22.98	24.00	23.02	23.12	23.02
3GPP Rel 6	HSUPA Subtest-2	20.98	20.98	21.07	22.00	21.02	21.06	20.99
3GPP Rel 6	HSUPA Subtest-3	21.97	22.01	21.99	23.00	21.93	22.14	22.04
3GPP Rel 6	HSUPA Subtest-4	20.97	21.06	21.01	22.00	21.00	21.12	21.15
3GPP Rel 6	HSUPA Subtest-5	22.90	23.00	23.00	24.00	23.00	23.10	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.03	22.05	21.98	23.00	21.96	22.15	22.09

Band 2_Ant 13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Max [Ch / Freq]	Power Max [Hsp Ch / Freq]	Power Max [Lch / Freq]	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.53	23.54	23.48	24.5	0				
20	QPSK	1	48	23.53	23.54	23.48						
20	QPSK	1	99	23.38	23.38	23.29						
20	QPSK	50	0	22.64	22.66	22.64	23.5	1				
20	QPSK	50	24	22.64	22.64	22.61						
20	QPSK	50	50	22.60	22.45	22.50						
20	16QAM	1	0	22.53	22.54	22.47	23.5	1				
20	16QAM	1	48	22.87	22.47	22.40						
20	16QAM	1	99	23.00	22.85	22.53						
20	16QAM	50	0	21.47	21.49	21.46	22.5	2				
20	16QAM	50	24	21.61	21.65	21.52						
20	16QAM	50	50	21.66	21.64	21.52						
20	16QAM	100	0	21.56	21.56	21.46	22.5	2				
20	64QAM	1	0	21.96	21.69	21.37						
20	64QAM	1	48	21.55	21.71	21.65						
20	64QAM	1	99	22.04	21.34	21.63	21.5	3				
20	64QAM	50	0	20.58	20.44	20.53						
20	64QAM	50	24	20.58	20.50	20.58						
20	64QAM	50	50	20.94	20.53	20.56	21.5	3				
20	64QAM	100	0	20.55	20.56	20.46						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.51	23.39	23.43	24.5	0				
15	QPSK	1	37	23.37	23.35	23.40						
15	QPSK	1	74	23.32	23.31	23.18						
15	QPSK	36	0	22.58	22.52	22.61	23.5	1				
15	QPSK	36	24	22.53	22.41	22.48						
15	QPSK	36	39	22.48	22.40	22.36						
15	QPSK	75	0	22.46	22.39	22.45	23.5	1				
15	16QAM	1	0	22.25	22.49	22.58						
15	16QAM	1	37	22.74	22.45	22.25						
15	16QAM	1	74	22.95	22.84	22.50	22.5	2				
15	16QAM	36	0	21.45	21.43	21.31						
15	16QAM	36	24	21.52	21.56	21.40						
15	16QAM	36	39	21.65	21.42	21.38	22.5	2				
15	16QAM	75	0	21.54	21.44	21.37						
15	64QAM	1	0	21.91	21.59	21.32						
15	64QAM	1	37	21.39	21.56	21.50	22.5	2				
15	64QAM	1	74	22.02	21.30	21.48						
15	64QAM	36	0	20.48	20.35	20.38						
15	64QAM	36	24	20.52	20.49	20.31	21.5	3				
15	64QAM	36	39	20.48	20.41	20.54						
15	64QAM	75	0	20.54	20.49	20.40						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.51	23.53	23.43	24.5	0				
10	QPSK	1	25	23.26	23.31	23.33						
10	QPSK	1	49	23.28	23.29	23.22						
10	QPSK	15	0	22.52	22.52	22.53	23.5	1				
10	QPSK	15	12	22.51	22.28	22.49						
10	QPSK	15	25	22.57	22.41	22.44						
10	QPSK	50	0	22.47	22.47	22.46	23.5	1				
10	16QAM	1	0	23.17	22.89	23.00						
10	16QAM	1	25	22.84	22.45	22.34						
10	16QAM	1	49	23.07	22.72	22.41	22.5	2				
10	16QAM	15	0	21.32	21.41	21.44						
10	16QAM	15	12	21.54	21.51	21.37						
10	16QAM	15	25	21.56	21.41	21.50	22.5	2				
10	16QAM	50	0	21.40	21.42	21.37						
10	16QAM	50	12	21.63	21.66	21.23						
10	16QAM	1	25	21.39	21.61	21.61	22.5	2				
10	64QAM	1	49	21.88	21.31	21.58						
10	64QAM	15	0	20.50	20.34	20.30						
10	64QAM	15	12	20.46	20.40	20.26	21.5	3				
10	64QAM	15	25	20.55	20.41	20.48						
10	64QAM	50	0	20.49	20.48	20.40						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.52	23.51	23.38	24.5	0				
5	QPSK	1	12	23.39	23.24	23.34						
5	QPSK	1	24	23.27	23.24	23.23						
5	QPSK	12	0	22.49	22.63	22.63	23.5	1				
5	QPSK	12	7	22.53	22.57	22.46						
5	QPSK	12	13	22.63	22.39	22.41						
5	QPSK	25	0	22.40	22.45	22.36	23.5	1				
5	16QAM	1	0	23.20	22.59	23.04						
5	16QAM	1	12	22.72	22.45	22.38						
5	16QAM	12	24	23.12	23.10	23.04	22.5	2				
5	16QAM	12	7	21.33	21.45	21.40						
5	16QAM	12	7	21.46	21.53	21.47						
5	16QAM	12	13	21.56	21.41	21.46	22.5	2				
5	16QAM	25	0	21.44	21.45	21.36						
5	16QAM	25	12	21.55	21.56	21.34						
5	64QAM	1	12	21.44	21.55	21.49	22.5	2				
5	64QAM	1	24	21.59	21.78	21.61						
5	64QAM	12	0	20.47	20.42	20.32						
5	64QAM	12	7	20.50	20.41	20.28	21.5	3				
5	64QAM	12	13	20.62	20.37	20.54						
5	64QAM	25	0	20.54	20.41	20.33						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.39	23.42	23.33	24.5	0				
3	QPSK	1	8	23.34	23.25	23.38						
3	QPSK	1	14	23.21	23.31	23.23						
3	QPSK	8	0	22.57	22.51	22.49	23.5	1				
3	QPSK	8	4	22.50	22.28	22.56						
3	QPSK	8	15	22.47	22.33	22.48						
3	QPSK	15	0	22.45	22.49	22.40	23.5	1				
3	16QAM	1	0	23.20	22.59	22.94						
3	16QAM	1	8	22.72	22.39	22.38						
3	16QAM	15	0	23.00	22.77	22.38	22.5	2				
3	16QAM	8	0	21.41	21.37	21.36						
3	16QAM	8	4	21.46	21.56	21.50						
3	16QAM	8	7	21.52	21.39	21.42	22.5	2				
3	16QAM	15	0	21.45	21.42	21.38						
3	64QAM	1	0	21.80	21.63	21.36						
3	64QAM	1	8	21.46	21.75	21.60	22.5	2				
3	64QAM	15	0	21.55	21.53	21.33						
3	64QAM	8	0	20.44	20.43	20.45	21.5	3				
3	64QAM	8	4	20.54	20.46	20.34						
3	64QAM	8	7	20.62	20.36	20.47						
3	64QAM	15	0	20.44	20.51	20.34	21.5	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.15	23.06	23.33	24.5	0				
1.4	QPSK	1	3	23.16	23.03	23.15						
1.4	QPSK	1	5	23.00	23.12	23.19						
1.4	QPSK	3	0	23.20	23.05	23.24	23.5	1				
1.4	QPSK	3	1	23.18	22.85	23.19						
1.4	QPSK	3	3	22.98	23.00	23.15						
1.4	QPSK	6	0	22.47	22.29	22.54	23.5	1				
1.4	16QAM	1	0	22.47	22.51	22.46						
1.4	16QAM	1	3	22.45	22.43	22.70						
1.4	16QAM	1	5	22.38	22.35	22.52	23.5	1				
1.4	16QAM	3	0	22.35	22.33	22.43						
1.4	16QAM	3	1	22.52	22.35	22.50						
1.4	16QAM	3	3	22.33	22.29	22.46	22.5	2				
1.4	16QAM	6	0	21.33	21.28	21.53						
1.4	16QAM	6	1	21.50	21.53	21.56						
1.4	16QAM	1	3	21.46	21.50	21.60	22.5	2				
1.4	16QAM	1	5	21.41	21.48	21.53						
1.4	16QAM	3	0	21.49	21.46	21.57						
1.4	64QAM	3	1	21.46	21.41	21.43	21.5	3				
1.4	64QAM	3	3	21.37	21.34	21.41						
1.4	64QAM	6	0	20.52	20.44	20.47						

Band 4_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch./Freq.	Power Min Ch./Freq.	Power Max Ch./Freq.	Power Min Ch./Freq.	Tune-in limit (dBm)	MFR (dB)	
Channel										
Frequency (MHz)				17020	1732.5	1745				
20	QPSK	1	0	23.49	23.50	23.50		24.5	0	
20	QPSK	31	4	23.47	23.47	23.34				
20	QPSK	1	99	23.43	23.33	23.25				
20	QPSK	50	0	22.56	22.51	22.37				
20	QPSK	50	24	22.52	22.50	22.34		23.5	1	
20	QPSK	100	48	22.48	22.46	22.30				
20	16QAM	1	0	22.38	22.40	22.37		23.5	1	
20	16QAM	1	0	22.71	22.65	22.54				
20	16QAM	1	99	22.68	22.60	22.52				
20	16QAM	50	0	21.46	21.36	21.41				
20	16QAM	50	24	21.44	21.51	21.44		22.5	2	
20	16QAM	50	24	21.30	21.35	21.40				
20	16QAM	100	0	21.45	21.44	21.41				
20	16QAM	1	0	21.60	21.89	21.58				
20	16QAM	1	0	21.66	21.51	21.42		22.5	2	
20	16QAM	1	99	21.56	21.24	21.56				
20	64QAM	50	0	20.31	20.38	20.27				
20	64QAM	50	24	20.58	20.51	20.50		21.5	3	
20	64QAM	100	0	20.41	20.44	20.53				
20	64QAM	100	0	20.46	20.38	20.52				
Channel				20025	20175	20325		Tune-in limit (dBm)	MFR (dB)	
Frequency (MHz)				1717.5	1722.5	1747.5				
15	QPSK	1	0	23.37	23.37	23.37		24.5	0	
15	QPSK	1	37	23.28	23.30	23.18				
15	QPSK	1	74	23.29	23.32	23.11				
15	QPSK	36	20	22.30	22.27	22.34		23.5	1	
15	QPSK	36	20	22.43	22.47	22.35				
15	QPSK	36	99	22.34	22.26	22.24				
15	QPSK	75	0	22.25	22.23	22.34				
15	16QAM	1	0	22.65	22.53	22.41		23.5	1	
15	16QAM	1	37	22.60	22.38	22.60				
15	16QAM	1	74	22.53	22.53	22.22				
15	16QAM	36	20	21.24	21.27	21.35		22.5	2	
15	16QAM	36	20	21.37	21.43	21.31				
15	16QAM	36	99	21.18	21.41	21.36				
15	16QAM	75	0	21.29	21.32	21.38				
15	64QAM	1	0	21.48	21.27	21.13		22.5	2	
15	64QAM	1	37	21.59	21.23	21.66				
15	64QAM	1	74	21.48	21.17	21.54				
15	64QAM	36	20	20.48	20.30	20.12		21.5	3	
15	64QAM	36	20	20.48	20.30	20.42				
15	64QAM	75	0	20.43	20.33	20.44		Tune-in limit (dBm)	MFR (dB)	
Channel				20030	20180	20330				
Frequency (MHz)				17115	1732.5	1750				
10	QPSK	1	0	23.33	23.48	23.23		24.5	0	
10	QPSK	1	25	23.35	23.32	23.22				
10	QPSK	1	49	23.22	23.31	23.22		23.5	1	
10	QPSK	25	0	22.41	22.36	22.30				
10	QPSK	25	12	22.43	22.30	22.21				
10	QPSK	25	25	22.39	22.28	22.31				
10	QPSK	50	0	22.34	22.23	22.22				
10	16QAM	1	0	22.68	22.53	22.42		23.5	1	
10	16QAM	1	25	22.71	22.40	22.55				
10	16QAM	1	49	22.66	22.35	22.52				
10	16QAM	25	0	21.31	21.33	21.27				
10	16QAM	25	12	21.34	21.36	21.37		22.5	2	
10	16QAM	25	25	21.20	21.49	21.52				
10	16QAM	50	0	21.32	21.35	21.26				
10	16QAM	1	0	21.53	21.87	22.04				
10	16QAM	1	25	21.46	22.04	21.77		22.5	2	
10	16QAM	1	49	21.53	21.17	21.77				
10	16QAM	25	0	20.22	20.20	20.22				
10	64QAM	25	12	20.54	20.37	20.54				
10	64QAM	25	25	20.35	20.30	20.39		21.5	3	
10	64QAM	50	0	20.36	20.27	20.44				
Channel				18975	20175	20375		Tune-in limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	23.34	23.46	23.29		24.5	0	
5	QPSK	1	12	23.24	23.34	23.24				
5	QPSK	1	24	23.17	23.25	23.19				
5	QPSK	12	0	22.34	22.43	22.36		23.5	1	
5	QPSK	12	7	22.42	22.36	22.32				
5	QPSK	12	7	22.42	22.36	22.32				
5	QPSK	12	25	22.27	22.28	22.17		23.5	1	
5	QPSK	25	0	22.36	22.24	22.32				
5	16QAM	1	0	22.56	22.57	22.47		23.5	1	
5	16QAM	1	12	22.37	22.31	22.37				
5	16QAM	1	24	22.62	22.53	22.24				
5	16QAM	12	0	21.35	21.24	21.38				
5	16QAM	12	7	21.36	21.42	21.37				
5	16QAM	12	25	21.26	21.39	21.43		22.5	2	
5	16QAM	25	0	21.36	21.34	21.39				
5	16QAM	1	0	21.47	21.75	22.06		22.5	2	
5	16QAM	1	12	21.54	21.26	21.51				
5	16QAM	1	24	21.47	21.09	21.40				
5	16QAM	12	0	20.24	20.26	20.19				
5	16QAM	12	7	20.40	20.27	20.41		21.5	3	
5	16QAM	12	25	20.37	20.30	20.38				
5	16QAM	25	0	20.37	20.30	20.38				
5	64QAM	25	0	20.38	20.27	20.44				
Channel				19965	20175	20385		Tune-in limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5				
3	QPSK	1	0	23.34	23.34	23.28		24.5	0	
3	QPSK	1	8	23.18	23.32	23.20				
3	QPSK	1	14	23.30	23.18	23.24				
3	QPSK	8	0	22.34	22.29	22.31		23.5	1	
3	QPSK	8	4	22.46	22.38	22.22				
3	QPSK	8	7	22.35	22.29	22.31				
3	QPSK	15	0	22.26	22.29	22.36				
3	16QAM	1	0	22.58	22.58	22.28		23.5	1	
3	16QAM	1	8	22.64	22.33	22.54				
3	16QAM	1	14	22.61	22.55	22.22				
3	16QAM	8	0	21.25	21.30	21.21		22.5	2	
3	16QAM	8	4	21.30	21.42	21.42				
3	16QAM	8	7	21.24	21.40	21.38				
3	16QAM	15	0	21.41	21.36	21.31				
3	64QAM	1	0	21.54	21.81	21.52		22.5	2	
3	64QAM	1	8	21.53	21.69	21.75				
3	64QAM	1	14	21.42	21.20	21.44				
3	64QAM	8	0	20.31	20.26	20.34		21.5	3	
3	64QAM	8	4	20.48	20.44	20.44				
3	64QAM	8	7	20.36	20.42	20.50				
3	64QAM	15	0	20.37	20.27	20.42		Tune-in limit (dBm)	MFR (dB)	
Channel				20015	20175	20335				
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	23.05	23.21	23.17		24.5	0	
1.4	QPSK	1	3	23.01	23.06	23.24				
1.4	QPSK	1	3	23.11	23.10	23.10				
1.4	QPSK	3	0	23.08	23.22	23.15				
1.4	QPSK	3	1	23.10	23.05	23.06		23.5	1	
1.4	QPSK	3	1	23.10	23.05	23.06				
1.4	QPSK	6	0	22.22	22.29	22.27		22.5	1	
1.4	16QAM	1	0	22.14	22.20	22.13				
1.4	16QAM	1	3	22.16	22.16	22.17				
1.4	16QAM	1	3	22.22	22.22	22.18				
1.4	16QAM	3	0	22.26	22.42	22.38		23.5	1	
1.4	16QAM	3	1	22.33	22.28	22.20				
1.4	16QAM	3	1	22.36	22.28	22.28				
1.4	16QAM	6	0	21.17	21.30	21.36		22.5	2	
1.4	64QAM	1	0	21.24	21.29	21.31				
1.4	64QAM	1	3	21.14	21.24	21.03				
1.4	64QAM	1	3	21.23	21.21	21.21		22.5	2	
1.4	64QAM	3	0	21.15	21.38	21.30				
1.4	64QAM	3	1	21.38	21.33	21.31				
1.4	64QAM	6	0	20.36	20.26	20.34		21.5	3	
1.4	64QAM	6	1	20.09	20.04	20.38				

Band 5_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Freq. Ch. 1 (dBm)	Power Freq. Ch. 2 (dBm)	Power Freq. Ch. 3 (dBm)	Turn-on time (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				8249	836.5	844				
10	QPSK	1	0	-23.84	-24.02	-24.01				
10	QPSK	1	25	-23.81	-23.82	-23.74			25	0
10	QPSK	1	48	-23.84	-23.82	-23.74				
10	QPSK	25	12	-22.74	-22.81	-22.74				
10	QPSK	25	12	-22.74	-22.80	-22.82			24	1
10	QPSK	50	0	-22.81	-22.88	-22.74				
10	16QAM	1	0	-23.07	-22.84	-22.87				
10	16QAM	1	25	-25.15	-23.16	-23.10			24	
10	16QAM	1	48	-22.71	-22.82	-22.75				
10	16QAM	25	0	-21.79	-21.87	-21.80				
10	16QAM	25	12	-21.76	-21.76	-21.70			23	2
10	16QAM	25	25	-21.89	-21.82	-21.76				
10	64QAM	1	0	-22.89	-21.87	-21.86				
10	64QAM	1	25	-22.00	-21.89	-22.03			23	2
10	64QAM	1	48	-22.04	-21.90	-21.88				
10	64QAM	25	0	-20.75	-20.79	-20.78				
10	64QAM	25	12	-20.73	-20.80	-20.82			22	3
10	64QAM	25	25	-20.80	-20.87	-20.83				
10	64QAM	50	0	-20.79	-20.77	-20.73				
Channel				20425	20525	20625	Turn-on time (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	-23.74	-23.94	-23.94				
5	QPSK	1	12	-23.76	-23.81	-23.81			25	0
5	QPSK	1	24.75	-23.50	-23.69	-23.69				
5	QPSK	12	0	-22.70	-22.70	-22.64				
5	QPSK	12	7	-22.73	-22.74	-22.83			24	1
5	QPSK	12	14	-22.72	-22.83	-22.80				
5	QPSK	25	0	-22.70	-22.86	-22.66				
5	16QAM	1	0	-23.03	-22.93	-22.93				
5	16QAM	1	12	-22.99	-22.94	-23.05			24	1
5	16QAM	1	24.75	-22.69	-22.38	-23.02				
5	16QAM	12	0	-21.71	-21.80	-21.79				
5	16QAM	12	7	-21.69	-21.80	-21.66			23	2
5	16QAM	12	14	-21.76	-21.77	-21.84				
5	16QAM	25	0	-21.79	-21.69	-21.80				
5	64QAM	1	0	-21.85	-21.75	-21.88				
5	64QAM	1	12	-22.21	-21.82	-21.83			23	2
5	64QAM	1	24.75	-21.86	-21.86	-21.86				
5	64QAM	12	0	-20.69	-20.65	-20.72				
5	64QAM	12	7	-20.60	-20.75	-20.81			22	3
5	64QAM	12	14	-20.78	-20.74	-20.70				
5	64QAM	25	0	-20.64	-20.65	-20.63				
Channel				20415	20525	20635	Turn-on time (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	847.5				
3	QPSK	1	0	-23.83	-23.92	-24.00				
3	QPSK	1	0	-23.73	-23.77	-23.77			25	0
3	QPSK	1	14	-23.69	-23.73	-23.63				
3	QPSK	8	4	-22.63	-22.80	-22.69				
3	QPSK	8	4	-22.69	-22.77	-22.68			24	1
3	QPSK	15	0	-22.72	-22.82	-22.69				
3	16QAM	1	0	-23.03	-22.81	-22.89				
3	16QAM	1	8	-23.05	-23.06	-23.00				
3	16QAM	1	24	-22.99	-22.39	-23.07				
3	16QAM	8	0	-21.68	-21.75	-21.78				
3	16QAM	8	4	-21.62	-21.63	-21.56			23	1
3	16QAM	8	16	-21.84	-21.68	-21.68				
3	64QAM	1	0	-21.85	-21.67	-21.67				
3	64QAM	1	8	-21.88	-21.79	-21.88			23	2
3	64QAM	1	24	-21.88	-21.81	-21.84				
3	64QAM	8	0	-20.67	-20.74	-20.74				
3	64QAM	8	4	-20.67	-20.79	-20.67			22	3
3	64QAM	15	0	-20.79	-20.78	-20.74				
3	64QAM	15	0	-20.63	-20.62	-20.63				
Channel				20407	20525	20643	Turn-on time (dBm)	MPR (dB)		
Frequency (MHz)				823.7	836.5	843.3				
1.4	QPSK	1	0	-23.74	-23.74	-23.77				
1.4	QPSK	1	0	-23.67	-23.67	-23.67			25	0
1.4	QPSK	1	5	-23.66	-23.59	-23.62				
1.4	QPSK	3	0	-23.76	-23.74	-23.75				
1.4	QPSK	3	0	-23.73	-23.77	-23.76				
1.4	QPSK	3	0	-23.67	-23.67	-23.69				
1.4	QPSK	6	0	-22.86	-22.84	-22.80			24	1
1.4	16QAM	1	0	-22.80	-22.77	-22.80				
1.4	16QAM	1	3	-22.82	-22.86	-22.70			24	1
1.4	16QAM	1	3	-22.87	-22.78	-22.86				
1.4	16QAM	3	0	-22.99	-23.05	-22.97				
1.4	16QAM	3	1	-22.03	-22.06	-22.02				
1.4	16QAM	3	1	-22.98	-23.02	-22.98				
1.4	16QAM	6	0	-21.83	-21.84	-21.85			23	2
1.4	64QAM	1	0	-21.83	-21.93	-21.95				
1.4	64QAM	1	3	-21.82	-21.79	-21.87				
1.4	64QAM	1	3	-21.79	-21.81	-21.89			23	2
1.4	64QAM	3	0	-21.94	-22.00	-22.02				
1.4	64QAM	3	1	-21.92	-21.92	-21.93				
1.4	64QAM	3	1	-21.90	-21.91	-21.93				
1.4	64QAM	6	0	-20.88	-20.86	-20.87			22	3

Band 5 Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-up time (dbs)	MPR (db)	
Channel									
Frequency (MHz)				826	836.5	844			
10	QPSK	1	0	23.63	23.90	23.84			
10	QPSK	1	25	23.61	23.64	23.77			
10	QPSK	1	24	23.54	23.49	23.67			
10	QPSK	25	0	22.77	22.78	22.77			
10	QPSK	25	12	22.71	22.67	22.68			
10	QPSK	25	24	22.62	22.57	22.59			
10	QPSK	50	0	22.63	22.67	22.65			
10	16QAM	1	0	22.63	22.77	22.87			
10	16QAM	1	25	23.01	22.98	23.03			
10	16QAM	1	24	23.01	22.97	23.02			
10	16QAM	25	0	21.68	21.70	21.73			
10	16QAM	25	12	21.69	21.73	21.79			
10	16QAM	25	24	21.69	21.67	21.70			
10	16QAM	50	0	21.68	21.72	21.77			
10	64QAM	1	0	21.96	21.93	22.01			
10	64QAM	1	25	21.93	22.01	22.01			
10	64QAM	1	24	21.98	21.91	21.91			
10	64QAM	25	0	20.76	20.73	20.72			
10	64QAM	25	12	20.66	20.73	20.75			
10	64QAM	25	24	20.59	20.61	20.73			
10	64QAM	50	0	20.64	20.54	20.73			
Channel									
Frequency (MHz)				20425	20525	20625	Turn-up time (dbs)	MPR (db)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	0	23.55	23.89	23.73			
5	QPSK	1	12	23.54	23.57	23.74			
5	QPSK	1	24	23.51	23.57	23.57			
5	QPSK	12	0	22.61	22.73	22.74			
5	QPSK	12	7	22.61	22.61	22.63			
5	QPSK	12	24	22.47	22.52	22.63			
5	QPSK	25	0	22.59	22.63	22.64			
5	16QAM	1	0	22.76	22.67	22.84			
5	16QAM	1	12	22.97	22.83	22.97			
5	16QAM	1	24	22.86	22.85	22.94			
5	16QAM	12	0	21.65	21.56	21.67			
5	16QAM	12	7	21.53	21.67	21.63			
5	16QAM	12	12	21.58	21.58	21.59			
5	16QAM	25	0	21.53	21.63	21.75			
5	64QAM	1	0	21.93	21.85	22.01			
5	64QAM	1	12	21.76	21.87	21.99			
5	64QAM	1	24	21.85	21.74	21.99			
5	64QAM	12	0	20.61	20.68	20.63			
5	64QAM	12	7	20.62	20.70	20.68			
5	64QAM	12	12	20.56	20.74	20.71			
5	64QAM	25	0	20.50	20.55	20.67			
Channel									
Frequency (MHz)				846.5	836.5	20635	Turn-up time (dbs)	MPR (db)	
Frequency (MHz)				851.9	852.5	847.5			
3	QPSK	1	0	23.61	23.63	23.75			
3	QPSK	1	25	23.59	23.58	23.68			
3	QPSK	1	14	23.47	23.65	23.55			
3	QPSK	8	4	22.66	22.71	22.62			
3	QPSK	8	4	22.60	22.55	22.53			
3	QPSK	15	0	22.46	22.56	22.56			
3	QPSK	15	0	22.53	22.46	22.59			
3	16QAM	1	0	22.74	22.64	22.96			
3	16QAM	1	8	22.90	22.84	22.98			
3	16QAM	1	8	22.77	22.87	22.98			
3	16QAM	8	4	21.62	21.65	21.70			
3	16QAM	8	4	21.67	21.68	21.75			
3	16QAM	8	15	21.59	21.58	21.55			
3	16QAM	15	0	21.57	21.56	21.70			
3	64QAM	1	0	21.87	21.79	22.15			
3	64QAM	1	8	21.72	22.00	21.99			
3	64QAM	1	8	21.83	21.75	22.15			
3	64QAM	8	4	20.62	20.67	20.57			
3	64QAM	8	4	20.57	20.69	20.66			
3	64QAM	8	15	20.57	20.65	20.66			
3	64QAM	15	0	20.50	20.55	20.63			
Channel									
Frequency (MHz)				20407	20525	20643	Turn-up time (dbs)	MPR (db)	
Frequency (MHz)				824.7	836.5	843.3			
1.4	QPSK	1	0	23.51	23.64	23.53			
1.4	QPSK	1	0	23.54	23.48	23.43			
1.4	QPSK	1	5	23.59	23.48	23.45			
1.4	QPSK	3	0	23.50	23.60	23.51			
1.4	QPSK	3	1	23.50	23.59	23.48			
1.4	QPSK	3	1	23.61	23.51	23.55			
1.4	QPSK	6	0	22.72	22.66	22.60			
1.4	16QAM	1	0	22.55	22.66	22.57			
1.4	16QAM	1	0	22.59	22.54	22.50			
1.4	16QAM	1	0	22.55	22.56	22.57			
1.4	16QAM	3	0	22.77	22.87	22.85			
1.4	16QAM	3	1	22.90	22.86	22.80			
1.4	16QAM	6	0	22.87	22.85	22.78			
1.4	64QAM	1	0	21.58	21.56	21.58			
1.4	64QAM	1	0	21.66	21.59	21.61			
1.4	64QAM	1	3	21.63	21.83	21.57			
1.4	64QAM	1	154	21.64	21.63	21.57			
1.4	64QAM	3	0	21.50	21.50	21.88			
1.4	64QAM	3	1	21.54	21.73	21.87			
1.4	64QAM	6	0	20.64	20.64	20.66			

Band 7 Ant 13										
BW (MHz)	Modulation	Size	RB Offset	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Turn-up time (dBm)	MPE (dB)	
				Channel	2050	2100	2150			
				Frequency (MHz)	2050	2535	2565			
20	QPSK	1	0	27.26	23.18	23.93				
20	QPSK	1	49	22.62	22.87	22.84		24	0	
20	QPSK	5	16	22.86	22.86	22.90				
20	QPSK	50	24	21.86	21.84	22.04				
20	QPSK	50	16	21.58	21.53	21.50		23	1	
20	QPSK	100	0	21.93	22.04	22.03				
20	16QAM	1	0	22.06	22.17	22.26				
20	16QAM	1	49	22.15	22.34	22.28		23		
20	16QAM	5	16	22.66	22.66	22.67				
20	16QAM	50	24	20.89	20.88	20.95				
20	16QAM	50	16	20.93	20.88	21.07				
20	16QAM	100	0	20.86	20.84	21.00		22	2	
20	64QAM	1	0	20.91	20.91	20.91				
20	64QAM	1	49	21.35	20.92	20.91				
20	64QAM	1	49	21.06	20.91	20.78		22	2	
20	64QAM	5	16	21.23	21.13	21.13				
20	64QAM	50	0	19.87	19.88	19.95				
20	64QAM	50	24	19.90	19.84	20.09		21	3	
20	64QAM	50	50	19.82	19.87	20.01				
20	64QAM	100	0	19.01	19.93	20.05				
				Channel	2050	2100	2150	Turn-up time (dBm)	MPE (dB)	
				Frequency (MHz)	2050	2535	2565			
15	QPSK	1	0	22.81	23.11	22.81				
15	QPSK	1	49	22.82	22.75	22.82		24	0	
15	QPSK	5	16	22.84	22.85	22.86				
15	QPSK	36	20	21.80	21.79	21.89				
15	QPSK	36	20	21.90	22.05	22.02		23	1	
15	QPSK	36	20	21.83	21.78	21.88				
15	QPSK	75	0	19.05	22.02	22.02				
15	16QAM	1	0	22.01	22.12	22.14				
15	16QAM	1	37	22.00	22.23	22.16		23	1	
15	16QAM	5	16	22.50	22.44	22.44				
15	16QAM	36	20	20.83	20.87	20.92				
15	16QAM	36	20	20.85	20.83	21.05		22	2	
15	16QAM	75	0	20.86	20.79	20.95				
15	16QAM	75	0	20.80	20.89	20.91				
15	64QAM	1	0	21.31	21.76	20.78				
15	64QAM	1	37	20.92	20.89	20.93		22	2	
15	64QAM	5	16	21.11	21.17	21.18				
15	64QAM	36	20	19.81	19.93	19.83				
15	64QAM	36	20	19.80	19.79	20.07		21	3	
15	64QAM	75	0	19.77	19.86	19.87				
15	64QAM	75	0	19.84	19.79	19.94				
				Channel	2050	2100	2150	Turn-up time (dBm)	MPE (dB)	
				Frequency (MHz)	2050	2535	2565			
10	QPSK	1	0	22.90	23.11	22.92				
10	QPSK	1	49	22.86	22.82	22.82		24	0	
10	QPSK	1	49	22.73	22.83	22.85				
10	QPSK	25	12							
10	QPSK	25	12	21.86	22.00	22.06		23	1	
10	QPSK	25	12	21.82	21.81	21.96				
10	QPSK	50	0	21.79	22.01	21.94				
10	16QAM	1	0	21.91	22.16	22.17				
10	16QAM	1	26	22.10	22.19	22.19		23		
10	16QAM	5	16	22.63	22.63	22.67				
10	16QAM	25	12	20.86	20.82	20.89				
10	16QAM	25	12	20.79	20.84	21.05		22	2	
10	16QAM	25	12	20.86	20.82	20.89				
10	16QAM	50	0	20.85	20.76	20.97				
10	16QAM	1	0	21.27	20.90	20.73				
10	16QAM	1	26	20.95	20.79	20.73		22	2	
10	64QAM	1	0	21.10	21.21	21.03				
10	64QAM	25	0	19.71	19.97	19.85				
10	64QAM	25	12	19.83	19.81	19.95		21	3	
10	64QAM	25	26	19.86	19.80	19.87				
10	64QAM	50	0	19.80	19.79	19.97				
				Channel	2050	2100	2150	Turn-up time (dBm)	MPE (dB)	
				Frequency (MHz)	2050	2535	2565			
5	QPSK	1	0	22.82	23.07	22.78				
5	QPSK	1	49	22.86	22.82	22.82		24	0	
5	QPSK	1	24	22.67	22.83	22.89				
5	QPSK	12	0	21.79	21.71	21.81				
5	QPSK	12	7	21.84	21.90	21.95				
5	QPSK	12	12	21.83	21.83	21.90		23	1	
5	QPSK	25	0	21.88	21.88	21.94				
5	16QAM	1	0	22.13	22.12	22.12				
5	16QAM	1	12	22.01	22.29	21.98		23	1	
5	16QAM	1	24	22.25	22.22	22.30				
5	16QAM	12	0	20.76	20.75	20.80				
5	16QAM	12	7	20.77	20.77	21.06		22	2	
5	16QAM	25	0	20.85	20.73	20.97				
5	16QAM	25	0	20.90	20.75	20.98				
5	64QAM	1	0	21.34	20.88	20.72				
5	64QAM	1	12	20.86	20.85	21.02		22	2	
5	64QAM	1	24	21.07	21.04	21.07				
5	64QAM	12	0	19.81	19.82	19.88				
5	64QAM	12	7	19.78	19.81	19.87		21	3	
5	64QAM	25	0	19.82	19.82	19.87				
5	64QAM	25	0	19.84	19.85	20.04				

Band 7_Ant 31												
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												
Frequency (MHz)												
20	QPSK	1	0	22.85	23.08	22.87	24	0				
20	QPSK	1	49	22.85	22.98	22.87						
20	QPSK	1	99	22.85	22.85	22.86						
20	QPSK	50	0	22.85	22.14	22.13						
20	QPSK	15	24	21.93	21.96	22.02	23	1				
20	QPSK	50	50	21.99	22.09	22.12						
20	QPSK	100	0	22.00	22.00	22.02						
20	16QAM	1	0	22.94	22.40	22.95						
20	16QAM	1	49	22.29	22.32	22.72	23	1				
20	16QAM	1	99	22.29	22.18	22.77						
20	16QAM	50	0	20.76	20.90	20.99						
20	16QAM	50	24	20.91	20.99	21.10						
20	16QAM	100	0	21.00	21.04	21.06	22	2				
20	16QAM	1	0	20.87	21.09	20.84						
20	16QAM	1	49	21.37	21.33	20.91						
20	16QAM	1	99	21.40	21.26	21.32						
20	16QAM	50	0	20.03	19.97	20.06	21	3				
20	16QAM	50	24	20.07	20.02	20.07						
20	16QAM	50	50	19.89	19.93	20.12						
20	16QAM	100	0	20.02	19.88	20.08						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.62	22.34	22.86	24	0				
15	QPSK	1	37	22.79	22.82	22.84						
15	QPSK	1	74	22.69	22.74	22.82						
15	QPSK	36	0	21.98	22.06	22.05						
15	QPSK	36	20	21.76	21.82	22.04	23	1				
15	QPSK	36	39	21.96	22.00	21.96						
15	QPSK	75	0	21.89	21.91	21.89						
15	16QAM	75	0	21.89	21.91	21.89						
15	16QAM	1	37	22.22	22.19	22.68	23	1				
15	16QAM	1	74	22.01	22.06	22.70						
15	16QAM	36	0	20.86	20.89	20.91						
15	16QAM	36	20	20.81	20.96	20.96						
15	16QAM	36	39	20.80	20.99	21.05	22	2				
15	16QAM	75	0	20.86	20.96	21.05						
15	16QAM	1	37	21.36	21.18	20.87						
15	16QAM	1	74	21.36	21.21	21.18						
15	16QAM	36	0	19.93	19.91	20.01	21	3				
15	16QAM	36	20	19.87	19.96	19.92						
15	16QAM	36	39	19.81	19.93	19.97						
15	16QAM	75	0	19.92	19.73	19.96						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.90	22.97	22.95	24	0				
10	QPSK	1	25	22.79	22.92	22.83						
10	QPSK	1	49	22.71	22.69	22.81						
10	16QAM	15	0	22.02	22.33	22.43						
10	QPSK	25	12	21.76	21.87	21.96	23	1				
10	QPSK	25	25	21.98	22.01	22.07						
10	QPSK	50	0	21.87	21.86	21.91						
10	16QAM	15	0	22.02	22.33	22.43						
10	16QAM	1	25	22.24	22.29	22.61	23	1				
10	16QAM	1	49	22.03	22.11	22.76						
10	16QAM	25	0	20.74	20.90	20.94						
10	16QAM	25	12	20.83	20.90	21.05						
10	16QAM	25	25	20.86	20.97	21.08	22	2				
10	16QAM	50	0	20.93	20.91	20.95						
10	16QAM	1	0	20.71	20.96	20.80						
10	16QAM	1	25	21.31	21.32	20.86						
10	16QAM	1	49	21.35	21.11	21.16	21	3				
10	16QAM	25	0	19.90	19.91	19.90						
10	16QAM	25	12	19.85	19.88	19.92						
10	16QAM	25	25	19.88	19.96	19.97						
10	16QAM	50	0	19.94	19.73	19.94	21	3				
10	16QAM	50	25	19.95	19.90	19.94						
10	16QAM	50	50	19.95	19.77	19.98						
10	16QAM	25	0	19.95	19.77	19.98						

Band 7_Ant 11												
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												
Frequency (MHz)				20510	21100	21550						
20	QPSK	1	0	22.48	22.49	22.48	24	0				
20	QPSK	1	49	22.28	22.27	22.32						
20	QPSK	1	99	22.29	22.44	22.40						
20	QPSK	50	0	21.58	21.62	21.55						
20	QPSK	50	24	21.52	21.56	21.50	23	1				
20	QPSK	50	50	21.52	21.57	21.50						
20	QPSK	100	0	21.53	21.61	21.46						
20	16QAM	1	0	21.64	21.58	21.53						
20	16QAM	1	49	21.73	21.49	21.80	23	1				
20	16QAM	1	99	21.48	21.66	21.56						
20	16QAM	50	0	20.43	20.43	20.35						
20	16QAM	50	24	20.44	20.41	20.53						
20	16QAM	50	50	20.36	20.35	20.58	22	2				
20	16QAM	100	0	20.43	20.47	20.94						
20	16QAM	1	0	20.46	20.47	20.27						
20	16QAM	1	49	20.33	20.96	20.94						
20	16QAM	1	99	21.00	20.40	20.50	22	2				
20	16QAM	50	0	19.32	19.40	19.49						
20	16QAM	50	24	19.36	19.42	19.42						
20	16QAM	50	50	19.36	19.35	19.53						
20	16QAM	100	0	19.44	19.43	19.51	21	3				
20	16QAM	100	24	19.44	19.43	19.51						
20	16QAM	100	50	19.44	19.43	19.51						
20	16QAM	100	0	19.44	19.43	19.51						
Channel												
Frequency (MHz)				20625 <th>21100</th> <th>21575</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	21100	21575				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.53	22.55	22.52	24	0				
15	QPSK	1	37	22.33	22.49	22.38						
15	QPSK	1	74	22.15	22.39	22.24						
15	QPSK	36	0	21.47	21.49	21.51						
15	QPSK	36	20	21.51	21.44	21.49	23	1				
15	QPSK	36	39	21.46	21.39	21.41						
15	QPSK	75	0	21.40	21.57	21.37						
15	16QAM	75	0	21.61	21.48	21.47						
15	16QAM	1	37	21.49	21.48	21.47	23	1				
15	16QAM	1	74	21.47	21.59	21.62						
15	16QAM	36	0	20.27	20.35	20.23						
15	16QAM	36	20	20.35	20.33	20.46						
15	16QAM	36	39	20.49	20.50	20.52	22	2				
15	16QAM	75	0	20.35	20.34	20.47						
15	16QAM	1	37	20.84	20.81	20.76						
15	16QAM	1	74	20.88	20.27	20.36						
15	16QAM	36	0	19.30	19.27	19.33	21	3				
15	16QAM	36	20	19.39	19.40	19.45						
15	16QAM	36	39	19.35	19.39	19.41						
15	16QAM	75	0	19.41	19.32	19.41						
Channel												
Frequency (MHz)				20805 <th>21100</th> <th>21405</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	21100	21405				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.46	22.54	22.37	24	0				
10	QPSK	1	25	22.16	22.17	22.18						
10	QPSK	1	49	22.16	22.38	22.38						
10	QPSK	25	12	21.91	21.50	21.41						
10	QPSK	25	25	21.39	21.38	21.45	23	1				
10	QPSK	50	0	21.41	21.52	21.42						
10	16QAM	1	0	21.60	21.48	21.50						
10	16QAM	1	25	21.59	21.38	21.44	22	2				
10	16QAM	1	49	21.39	21.65	21.59						
10	16QAM	25	0	20.38	20.40	20.33						
10	16QAM	25	12	20.41	20.33	20.52						
10	16QAM	25	25	20.42	20.45	20.49	22	2				
10	16QAM	50	0	20.32	20.34	20.44						
10	16QAM	1	0	20.31	20.45	20.12						
10	16QAM	1	25	20.43	20.72	20.73						
10	16QAM	1	49	20.85	20.35	20.39	22	2				
10	16QAM	25	0	19.21	19.33	19.36						
10	16QAM	25	12	19.44	19.27	19.46						
10	16QAM	25	25	19.34	19.35	19.38						
10	16QAM	50	0	19.28	19.31	19.49	21	3				
10	16QAM	50	12	19.36	19.36	19.33						
10	16QAM	50	25	19.32	19.41	19.39						
10	16QAM	25	0	19.28	19.38	19.42						
Channel												
Frequency (MHz)				20925 <th>21535<th>2167.5</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	21535 <th>2167.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	2167.5				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.42	22.53	22.32	24	0				
5	QPSK	1	12	22.17	22.19	22.27						
5	QPSK	1	24	22.12	22.34	22.34						
5	QPSK	12	0	21.42	21.50	21.47						
5	QPSK	12	12	21.47	21.41	21.43	23	1				
5	QPSK	12	13	21.48	21.47	21.43						
5	QPSK	25	0	21.45	21.54	21.44						
5	16QAM	1	0	21.53	21.55	21.41						
5	16QAM	1	12	21.71	21.45	21.53	23	1				
5	16QAM	1	24	21.45	21.50	21.62						
5	16QAM	12	0	20.27	20.40	20.25						
5	16QAM	12	7	20.43	20.27	20.46						
5	16QAM	12	14	20.40	20.47	20.44	22	2				
5	16QAM	25	0	20.37	20.48	20.49						
5	16QAM	25	1	20.35	20.34	20.15						
5	16QAM	1	12	20.51	20.76	20.38						
5	16QAM	1	24	20.37	20.34	20.46	22	2				
5	16QAM	12	0	19.30	19.32	19.43						
5	16QAM	12	7	19.36	19.36	19.53						
5	16QAM	12	14	19.32	19.41	19.39						
5	16QAM	25	0	19.28	19.38	19.42	21	3				

Band 13_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
23230									
Frequency (MHz)									
10	QPSK	1	0	24.17			25	0	
10	QPSK	1	25	24.13					
10	QPSK	1	49	23.88					
10	QPSK	25	0	23.11			24	1	
10	QPSK	25	12	22.97					
10	QPSK	25	25	23.10					
10	QPSK	50	0	22.98			24	1	
10	16QAM	1	0	23.12					
10	16QAM	1	25	22.91					
10	16QAM	1	49	23.32			23	2	
10	16QAM	25	0	22.10					
10	16QAM	25	12	21.98					
10	16QAM	25	25	22.11			23	2	
10	16QAM	50	0	22.05					
10	64QAM	1	0	22.61					
10	64QAM	1	25	22.13			22	3	
10	64QAM	1	49	22.04					
10	64QAM	25	0	21.00					
10	64QAM	25	12	20.96			22	3	
10	64QAM	25	25	21.12					
10	64QAM	50	0	21.06					
Channel									
23205 23230 23255									
Frequency (MHz)									
5	QPSK	1	0	24.13	24.10	24.04	25	0	
5	QPSK	1	12	24.08	24.05	23.98			
5	QPSK	1	24	23.86	23.84	23.72			
5	QPSK	12	0	23.07	23.03	23.02	24	1	
5	QPSK	12	7	22.81	22.87	22.94			
5	QPSK	12	13	23.01	23.06	23.00			
5	QPSK	25	0	22.82	22.88	22.85	24	1	
5	16QAM	1	0	23.09	23.00	23.05			
5	16QAM	1	12	22.85	22.89	22.79			
5	16QAM	1	24	23.28	23.20	23.19	23	2	
5	16QAM	12	0	22.07	22.02	21.94			
5	16QAM	12	7	21.96	21.97	21.83			
5	16QAM	12	13	22.09	22.10	22.05	23	2	
5	16QAM	25	0	21.96	21.89	21.95			
5	64QAM	1	12	22.00	22.02	22.04			
5	64QAM	1	24	21.91	21.88	21.91	22	2	
5	64QAM	12	0	20.98	20.93	20.91			
5	64QAM	12	7	20.96	20.98	20.95			
5	64QAM	12	13	21.04	21.09	21.08	22	3	
5	64QAM	25	0	20.96	21.01	20.99			

Band 13_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							23230		
Frequency (MHz)							762		
10	QPSK	1	0	24.16			25	0	
10	QPSK	1	25	24.11					
10	QPSK	1	49	23.94					
10	QPSK	25	0	23.17			24	1	
10	QPSK	25	12	22.99					
10	QPSK	25	25	23.16					
10	QPSK	50	0	23.08			24	1	
10	16QAM	1	0	23.58					
10	16QAM	1	25	23.26					
10	16QAM	1	49	23.32			23	2	
10	16QAM	25	0	22.04					
10	16QAM	25	12	22.08					
10	16QAM	25	25	22.17			23	2	
10	16QAM	50	0	22.10					
10	64QAM	1	0	22.28					
10	64QAM	1	25	22.52			23	2	
10	64QAM	1	49	22.14					
10	64QAM	25	0	20.97					
10	64QAM	25	12	21.11			22	3	
10	64QAM	25	25	21.09					
10	64QAM	50	0	21.00					
Channel							23205 23230 23255	Turn-up limit (dBm) MPR (dB)	
Frequency (MHz)							770.5 782 784.5		
5	QPSK	1	0	24.07	24.14	24.11	25	0	
5	QPSK	1	12	24.08	24.02	24.01			
5	QPSK	1	24	23.81	23.78	23.84			
5	QPSK	12	0	23.15	23.11	23.14	24	1	
5	QPSK	12	7	22.85	22.89	22.85			
5	QPSK	12	13	23.05	23.15	23.13			
5	QPSK	25	0	23.04	22.95	23.04	24	1	
5	16QAM	1	0	23.30	23.55	23.51			
5	16QAM	1	12	23.18	23.19	23.19			
5	16QAM	1	24	23.25	23.22	23.28	23	2	
5	16QAM	12	0	21.96	22.01	21.93			
5	16QAM	12	7	22.00	22.05	21.93			
5	16QAM	12	13	22.14	22.10	22.02	23	2	
5	16QAM	25	0	21.98	21.84	22.04			
5	64QAM	1	0	22.17	22.15	22.25			
5	64QAM	1	12	22.47	22.50	22.47	23	2	
5	64QAM	1	24	22.09	21.98	22.12			
5	64QAM	12	0	20.82	20.85	20.80			
5	64QAM	12	7	21.02	21.06	21.08	22	3	
5	64QAM	12	13	21.05	21.02	21.01			
5	64QAM	25	0	20.89	20.99	20.92			

Band 17_Ant 13									
BW (MHz)	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)				23760	23790	23800			
				709	710	711			
10	QPSK	1	0	24.16	24.21	24.20	25	0	
10	QPSK	1	25	24.15	24.07	24.15			
10	QPSK	1	49	24.02	24.15	24.11			
10	QPSK	25	0	23.23	23.30	23.20	24	1	
10	QPSK	25	12	23.24	23.18	23.18			
10	QPSK	25	25	23.20	23.20	23.18			
10	QPSK	50	0	23.28	23.29	23.26	24	1	
10	16QAM	1	0	23.50	23.58	23.52			
10	16QAM	1	25	23.30	23.19	23.33			
10	16QAM	1	49	23.52	23.34	23.56	23	2	
10	16QAM	25	0	22.17	22.08	22.17			
10	16QAM	25	12	22.31	22.23	22.22			
10	16QAM	25	25	22.35	22.38	22.32	23	2	
10	16QAM	50	0	22.21	22.12	22.23			
10	64QAM	1	0	22.30	22.67	22.24			
10	64QAM	1	25	22.62	22.79	22.12	22	3	
10	64QAM	1	49	22.52	22.61	22.49			
10	64QAM	25	0	21.25	21.23	21.15			
10	64QAM	25	12	21.59	21.29	21.16	22	3	
10	64QAM	25	25	21.28	21.17	21.21			
10	64QAM	50	0	21.30	21.11	21.07			
Channel				23755	23790	23825	Tune-up limit (dBm)		
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.00	24.15	24.17	25	0	
5	QPSK	1	12	24.04	23.98	24.14			
5	QPSK	1	24	23.93	24.14	24.07			
5	QPSK	12	0	23.16	23.16	23.07	24	1	
5	QPSK	12	7	23.21	23.12	23.17			
5	QPSK	12	13	23.19	23.13	23.09	24	1	
5	QPSK	25	0	23.16	23.18	23.23			
5	16QAM	1	0	23.41	23.48	23.17	23	2	
5	16QAM	1	12	23.17	23.34	23.27			
5	16QAM	1	24	23.17	23.18	23.48	23	2	
5	16QAM	12	0	22.14	21.95	22.23			
5	16QAM	12	7	22.16	22.25	22.18	22	2	
5	16QAM	12	13	22.29	22.28	22.21			
5	16QAM	25	0	22.13	22.06	22.11	22	3	
5	16QAM	25	0	22.28	22.53	22.12			
5	64QAM	1	0	22.54	22.77	23.07	22	3	
5	64QAM	1	24	22.36	22.50	22.36			
5	64QAM	12	0	21.12	21.16	21.02	22	3	
5	64QAM	12	7	21.32	21.19	21.02			
5	64QAM	12	13	21.14	21.15	21.01	22	3	
5	64QAM	25	0	21.15	21.03	20.96			

Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.87	24.08	23.83	25	0	
15	QPSK	1	37	23.78	23.77	23.82			
15	QPSK	1	74	23.80	23.79	23.59			
15	QPSK	36	0	22.81	22.82	22.90			
15	QPSK	36	20	22.89	22.86	22.84			
15	QPSK	36	59	22.88	22.82	22.85	24	1	
15	QPSK	75	0	22.94	22.99	22.76			
15	16QAM	1	0	23.15	23.11	23.29			
15	16QAM	1	37	23.30	23.17	22.66			
15	16QAM	1	74	23.24	23.24	22.87			
15	16QAM	36	0	21.90	21.82	21.94	23	2	
15	16QAM	36	20	21.97	21.94	21.83			
15	16QAM	36	59	22.00	21.91	21.89			
15	16QAM	75	0	21.96	21.84	21.82			
15	64QAM	1	0	22.14	22.04	22.13			
15	64QAM	1	37	22.06	22.27	21.80	23	2	
15	64QAM	1	74	22.08	21.76	21.69			
15	64QAM	36	0	20.89	20.80	20.88			
15	64QAM	36	20	21.07	20.82	20.80			
15	64QAM	36	59	21.09	20.97	20.95			
15	64QAM	75	0	21.06	20.81	20.85	22	3	
Channel									
Frequency (MHz)				26740	26865	26960			
				816	831.5	844			
10	QPSK	1	0	23.61	23.61	23.67	25	0	
10	QPSK	1	25	23.62	23.69	23.81			
10	QPSK	1	49	23.79	23.64	23.52			
10	QPSK	25	0	22.89	22.90	22.82			
10	QPSK	25	12	22.77	22.83	22.71			
10	QPSK	25	25	22.75	22.74	22.80	24	1	
10	QPSK	50	0	22.82	22.98	22.87			
10	16QAM	1	0	23.11	22.95	23.10			
10	16QAM	1	25	23.20	23.08	22.96			
10	16QAM	1	49	23.23	23.09	22.55			
10	16QAM	25	0	21.83	21.73	21.89	23	2	
10	16QAM	25	12	21.88	21.79	21.87			
10	16QAM	25	25	21.90	21.80	21.81			
10	16QAM	50	0	21.83	21.73	21.79			
10	64QAM	1	0	21.86	21.67	21.83			
10	64QAM	1	25	22.03	22.26	21.80	23	2	
10	64QAM	1	49	21.96	21.75	21.68			
10	64QAM	25	0	20.87	20.86	20.85			
10	64QAM	25	12	20.89	20.72	20.78			
10	64QAM	25	25	20.87	20.91	20.87			
10	64QAM	50	0	20.89	20.75	20.80	22	3	
Channel									
Frequency (MHz)				26715	26865	27015			
				811.5	831.5	846.5			
5	QPSK	1	0	23.76	23.90	23.74	25	0	
5	QPSK	1	12	23.73	23.69	23.77			
5	QPSK	1	24	23.77	23.68	23.57			
5	QPSK	12	0	22.80	22.82	22.80			
5	QPSK	12	7	22.78	22.70	22.70			
5	QPSK	12	13	22.83	22.76	22.81	24	1	
5	QPSK	25	0	22.92	22.88	22.81			
5	16QAM	1	0	23.00	23.08	23.15			
5	16QAM	1	12	23.27	23.12	22.51			
5	16QAM	1	24	23.18	23.12	22.56			
5	16QAM	1	25	21.86	21.67	21.63	23	2	
5	16QAM	12	7	21.89	21.79	21.79			
5	16QAM	12	13	21.87	21.89	21.76			
5	16QAM	25	0	21.81	21.82	21.80			
5	16QAM	25	1	21.09	21.97	21.87			
5	16QAM	1	12	21.84	22.25	21.79	23	2	
5	16QAM	1	24	21.88	21.64	21.59			
5	16QAM	1	25	21.82	21.56	21.70			
5	16QAM	12	7	20.92	20.74	20.72			
5	16QAM	12	13	21.05	20.94	20.90			
5	16QAM	25	0	20.95	20.73	20.75	22	3	
Channel									
Frequency (MHz)				26697	26865	27033			
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.78	23.81	23.83	25	0	
1.4	QPSK	1	3	23.89	23.81	23.77			
1.4	QPSK	1	5	23.60	23.76	23.63			
1.4	QPSK	3	0	23.86	23.81	23.81			
1.4	QPSK	3	1	23.88	23.77	23.80			
1.4	QPSK	3	1	23.69	23.74	23.72	24	1	
1.4	QPSK	6	0	22.92	22.91	22.86			
1.4	16QAM	1	0	22.85	22.73	22.86			
1.4	16QAM	1	3	22.89	22.90	22.88			
1.4	16QAM	3	0	22.92	22.93	22.78			
1.4	16QAM	3	1	23.00	22.94	22.99	24	1	
1.4	16QAM	3	3	23.03	22.94	22.94			
1.4	16QAM	3	5	23.03	22.95	22.89			
1.4	16QAM	6	0	21.90	21.80	21.92			
1.4	16QAM	6	1	21.88	21.85	21.79			
1.4	64QAM	1	0	21.95	21.80	21.71	23	2	
1.4	64QAM	1	3	21.88	21.96	21.85			
1.4	64QAM	1	5	21.80	21.82	21.80			
1.4	64QAM	3	0	21.89	21.86	22.03			
1.4	64QAM	3	1	22.10	21.96	22.04			
1.4	64QAM	3	3	21.96	21.86	21.96	22	3	
1.4	64QAM	6	0	20.93	20.76	20.80			

Band 26_Ant 31									
BW (MHz)	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)				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.76	23.91	23.90	25	0	
15	QPSK	1	37	23.75	23.71	23.89			
15	QPSK	1	74	23.75	23.71	23.89			
15	QPSK	36	0	22.50	22.51	22.51			
15	QPSK	36	20	22.81	22.78	22.79			
15	QPSK	36	59	22.89	22.82	22.73	24	1	
15	QPSK	75	0	22.83	22.60	22.81			
15	16QAM	1	0	22.79	23.34	23.36			
15	16QAM	1	37	23.21	23.00	23.04			
15	16QAM	1	74	22.89	23.45	23.02			
15	16QAM	36	0	21.88	21.88	21.89	23	2	
15	16QAM	36	20	22.00	21.82	21.79			
15	16QAM	36	59	22.01	21.89	21.82			
15	16QAM	75	0	21.90	21.78	21.87			
15	64QAM	1	0	21.83	21.81	22.15			
15	64QAM	1	37	21.90	22.04	21.81	23	2	
15	64QAM	1	74	22.04	21.77	21.99			
15	64QAM	36	0	20.93	20.68	20.88			
15	64QAM	36	20	20.91	20.80	21.00			
15	64QAM	36	59	20.93	20.84	20.92			
15	64QAM	75	0	20.82	20.75	20.87	22	3	
Channel									
Frequency (MHz)				26740	26865	26960	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816	831.5	844			
10	QPSK	1	0	23.76	23.91	23.90	25	0	
10	QPSK	1	25	23.75	23.69	23.62			
10	QPSK	1	49	23.71	23.63	23.63			
10	QPSK	25	0	22.74	22.76	22.69			
10	QPSK	25	25	22.76	22.75	22.69			
10	QPSK	25	25	22.87	22.80	22.71	24	1	
10	QPSK	50	0	22.71	22.88	22.65			
10	16QAM	1	0	22.71	23.29	23.23			
10	16QAM	1	25	23.19	22.98	23.04			
10	16QAM	1	49	23.83	23.37	22.87			
10	16QAM	25	0	21.73	21.77	21.74	23	2	
10	16QAM	25	25	21.88	21.75	21.71			
10	16QAM	25	25	21.74	21.81	21.71			
10	16QAM	50	0	21.88	21.74	21.85			
10	64QAM	1	0	21.80	21.71	22.02			
10	64QAM	1	25	21.84	21.96	21.78	23	2	
10	64QAM	1	49	22.01	21.75	21.88			
10	64QAM	25	0	20.85	20.57	20.85			
10	64QAM	25	25	20.85	20.57	20.85			
10	64QAM	25	25	20.79	20.69	20.79			
10	64QAM	50	0	20.66	20.72	20.83	22	3	
Channel									
Frequency (MHz)				26715	26866	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				811.5	831.5	847.5			
5	QPSK	1	0	23.64	23.76	23.68	25	0	
5	QPSK	1	12	23.66	23.67	23.64			
5	QPSK	1	24	23.71	23.66	23.60			
5	QPSK	12	0	22.70	22.72	22.67			
5	QPSK	12	7	22.86	22.67	22.67			
5	QPSK	12	13	22.78	22.72	22.68	24	1	
5	QPSK	25	0	22.76	22.80	22.70			
5	QPSK	12	13	22.76	22.70	22.64			
5	16QAM	1	12	23.10	22.81	22.90			
5	16QAM	1	24	23.84	23.40	22.93			
5	16QAM	12	0	21.78	21.71	21.64	23	2	
5	16QAM	12	7	21.96	21.69	21.66			
5	16QAM	12	13	21.70	21.81	21.70			
5	16QAM	25	0	21.75	21.76	21.60			
5	16QAM	25	0	21.72	21.74	21.14			
5	64QAM	1	12	21.89	21.69	21.69	23	2	
5	64QAM	1	24	21.89	21.63	21.96			
5	64QAM	12	0	20.82	20.60	20.86			
5	64QAM	12	7	20.75	20.70	20.88			
5	64QAM	12	13	20.69	20.72	20.89			
5	64QAM	25	0	20.71	20.66	20.77	22	3	
Channel									
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.74	23.80	23.77	25	0	
3	QPSK	1	8	23.62	23.68	23.74			
3	QPSK	1	16	23.60	23.66	23.68			
3	QPSK	8	0	22.82	22.75	22.73			
3	QPSK	8	4	22.72	22.70	22.70			
3	QPSK	8	7	22.73	22.60	22.70	24	1	
3	QPSK	15	0	22.77	22.84	22.80			
3	16QAM	1	0	22.76	23.24	23.20			
3	16QAM	1	8	21.77	22.83	22.90			
3	16QAM	1	16	23.76	23.36	23.32			
3	16QAM	8	0	21.74	21.85	21.85	23	2	
3	16QAM	8	4	21.85	21.75	21.73			
3	16QAM	8	7	21.75	21.68	21.73			
3	16QAM	15	0	21.88	21.61	21.62			
3	64QAM	1	0	21.79	21.77	22.03			
3	64QAM	1	8	21.75	21.66	21.71	23	2	
3	64QAM	1	16	22.00	21.68	21.68			
3	64QAM	8	0	20.90	20.56	20.79			
3	64QAM	8	4	20.86	20.78	20.99			
3	64QAM	8	7	20.75	20.63	20.85			
3	64QAM	15	0	20.85	20.62	20.82	22	3	
Channel									
Frequency (MHz)				26977	26985	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.42	23.43	23.32	25	0	
1.4	QPSK	1	3	23.40	23.36	23.32			
1.4	QPSK	1	5	23.32	23.35	23.23			
1.4	QPSK	3	0	23.48	23.54	23.34			
1.4	QPSK	3	1	23.38	23.39	23.32			
1.4	QPSK	6	0	22.53	22.56	22.58	24	1	
1.4	16QAM	1	0	22.59	22.52	22.58			
1.4	16QAM	1	3	22.55	22.48	22.47			
1.4	16QAM	1	5	22.47	22.44	22.49			
1.4	16QAM	3	0	22.76	22.79	22.78			
1.4	16QAM	3	1	22.69	22.64	22.56	23	2	
1.4	16QAM	3	2	22.55	22.71	22.62			
1.4	16QAM	6	0	21.38	21.33	21.38			
1.4	64QAM	1	0	21.57	21.42	21.37			
1.4	64QAM	1	3	21.46	21.36	21.37			
1.4	64QAM	1	5	21.57	21.40	21.40	23	2	
1.4	64QAM	3	0	21.67	21.56	21.49			
1.4	64QAM	3	1	20.60	21.56	21.61			
1.4	64QAM	3	2	21.61	21.50	21.51			
1.4	64QAM	6	0	20.45	20.38	20.36			

Band 66_Ant 11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				152072	152122	152172						
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	23.48	23.53	23.35	24.5	0				
20	QPSK	1	49	23.39	23.38	23.12						
20	QPSK	1	99	23.47	23.33	23.15						
20	QPSK	50	0	22.58	22.59	22.44						
20	QPSK	50	24	22.36	22.49	22.42						
20	QPSK	50	50	22.39	22.48	22.52	23.5	1				
20	QPSK	100	0	22.42	22.56	22.27						
20	16QAM	1	0	22.89	22.79	22.44						
20	16QAM	1	49	22.63	22.69	22.38						
20	16QAM	1	99	23.02	22.40	22.26						
20	16QAM	50	0	21.39	21.37	21.39	22.5	2				
20	16QAM	50	24	21.45	21.51	21.39						
20	16QAM	50	50	21.39	21.38	21.24						
20	16QAM	100	0	21.60	21.41	21.25						
20	64QAM	1	0	21.75	21.66	21.69						
20	64QAM	1	49	21.30	21.51	21.79	22.5	2				
20	64QAM	1	99	21.02	21.69	21.54						
20	64QAM	50	0	20.56	20.43	20.46						
20	64QAM	50	24	20.47	20.44	20.42						
20	64QAM	50	50	20.46	20.47	20.38						
20	64QAM	100	0	20.41	20.41	20.35	21.5	3				
Channel				152047	152122	152197						
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	23.38	23.43	23.31				24.5	0	
15	QPSK	1	37	23.29	23.31	23.05						
15	QPSK	1	74	23.32	23.17	23.08						
15	QPSK	36	0	22.48	22.56	22.32						
15	QPSK	36	20	22.30	22.42	22.32						
15	QPSK	36	36	22.34	22.38	22.25	23.5	1				
15	QPSK	75	0	22.38	22.48	22.18						
15	16QAM	1	0	22.87	22.64	22.29						
15	16QAM	1	37	22.49	22.57	22.35						
15	16QAM	1	74	22.90	22.38	22.18						
15	16QAM	36	0	21.35	21.35	21.27	22.5	2				
15	16QAM	36	20	21.33	21.44	21.33						
15	16QAM	36	36	21.28	21.25	21.17						
15	16QAM	75	0	21.47	21.26	21.22						
15	64QAM	1	0	21.73	21.55	21.46						
15	64QAM	1	37	21.24	21.48	21.67	22.5	2				
15	64QAM	1	74	20.91	21.56	21.41						
15	64QAM	36	0	20.63	20.37	20.42						
15	64QAM	36	20	20.44	20.34	20.38						
15	64QAM	36	36	20.36	20.43	20.28						
15	64QAM	75	0	20.37	20.28	20.25	21.5	3				
Channel				152022	152122	152122						
Frequency (MHz)				1715	1745	1715						
10	QPSK	1	0	23.40	23.46	23.22				24.5	0	
10	QPSK	1	25	23.31	23.34	22.97						
10	QPSK	1	49	23.46	23.27	23.06						
10	QPSK	25	0	22.65	22.56	22.33						
10	QPSK	25	12	22.34	22.44	22.39						
10	QPSK	25	25	22.25	22.32	22.23	23.5	1				
10	QPSK	50	0	22.40	22.42	22.16						
10	16QAM	1	0	22.73	22.73	22.30						
10	16QAM	1	25	22.49	22.67	22.37						
10	16QAM	1	49	22.95	22.32	22.15						
10	16QAM	25	0	21.38	21.29	21.29	22.5	2				
10	16QAM	25	12	21.40	21.50	21.30						
10	16QAM	25	25	21.32	21.31	21.14						
10	16QAM	50	0	21.63	21.35	21.13						
10	16QAM	1	0	21.61	21.52	21.62						
10	64QAM	1	25	21.22	21.43	21.69	22.5	2				
10	64QAM	1	49	20.95	21.64	21.41						
10	64QAM	25	0	20.40	20.37	20.43						
10	64QAM	25	12	20.45	20.40	20.37						
10	64QAM	25	25	20.34	20.33	20.24						
10	64QAM	50	0	20.34	20.30	20.24	21.5	3				
Channel				151997	152122	152147						
Frequency (MHz)				1712.5	1745	1777.5						
5	QPSK	1	0	23.33	23.37	23.29				24.5	0	
5	QPSK	1	12	23.34	23.34	23.03						
5	QPSK	1	24	23.41	23.19	23.06						
5	QPSK	12	0	22.50	22.49	22.36						
5	QPSK	12	7	22.25	22.47	22.26						
5	QPSK	12	13	22.36	22.52	22.16	23.5	1				
5	QPSK	25	0	22.35	22.46	22.16						
5	16QAM	1	0	22.86	22.88	22.41						
5	16QAM	1	12	22.47	22.64	22.28						
5	16QAM	1	24	22.62	22.35	22.13						
5	16QAM	12	0	21.37	21.32	21.25	22.5	2				
5	16QAM	12	7	21.35	21.36	21.24						
5	16QAM	12	13	21.25	21.32	21.23						
5	16QAM	25	0	21.52	21.40	21.16						
5	64QAM	1	0	21.69	21.50	21.56						
5	64QAM	1	12	21.25	21.50	21.73	22.5	2				
5	64QAM	1	24	20.89	21.66	21.44						
5	64QAM	12	0	20.54	20.27	20.37						
5	64QAM	12	7	20.42	20.28	20.40						
5	64QAM	12	13	20.40	20.36	20.29						
5	64QAM	25	0	20.40	20.30	20.28	21.5	3				
Channel				151987	152122	152167						
Frequency (MHz)				1711.5	1745	1778.5						
3	QPSK	1	0	23.32	23.50	23.31				24.5	0	
3	QPSK	1	8	23.33	23.34	23.07						
3	QPSK	1	14	23.39	23.21	23.14						
3	QPSK	8	0	22.47	22.45	22.41						
3	QPSK	8	4	22.21	22.46	22.26						
3	QPSK	8	7	22.28	22.38	22.30	23.5	1				
3	QPSK	15	0	22.38	22.46	22.19						
3	16QAM	1	0	22.77	22.71	22.38						
3	16QAM	1	8	22.46	22.66	22.22						
3	16QAM	1	14	22.89	22.34	22.15						
3	16QAM	8	0	21.32	21.29	21.31	22.5	2				
3	16QAM	8	4	21.38	21.41	21.25						
3	16QAM	8	7	21.24	21.25	21.12						
3	16QAM	15	0	21.45	21.27	21.12						
3	64QAM	1	0	21.63	21.57	21.68						
3	64QAM	1	8	21.20	21.50	21.66	22.5	2				
3	64QAM	1	14	20.91	21.69	21.69						
3	64QAM	8	0	20.43	20.39	20.37						
3	64QAM	8	4	20.33	20.34	20.35						
3	64QAM	8	7	20.34	20.37	20.37						
3	64QAM	15	0	20.35	20.25	20.22	21.5	3				
Channel				151979	152122	152165						
Frequency (MHz)				1710.7	1745	1779.3						
1.4	QPSK	1	0	23.21	23.26	23.29				24.5	0	
1.4	QPSK	1	3	23.16	23.23	23.14						
1.4	QPSK	1	5	22.98	23.07	22.90						
1.4	QPSK	3	0	23.29	23.32	23.28						
1.4	QPSK	3	1	23.13	23.29	23.17						
1.4	QPSK	3	3	23.09	23.04	22.97	23.5	1				
1.4	QPSK	6	0	22.24	22.22	22.25						
1.4	16QAM	1	0	22.26	22.28	22.26						
1.4	16QAM	1	3	22.17	22.22	22.17						
1.4	16QAM	1	5	22.21	22.14	22.13						
1.4	16QAM	3	0	22.37	22.53	22.54	23.5	1				
1.4	16QAM	3	1	22.52	22.46	22.51						
1.4	16QAM	3	3	22.30	22.36	22.26						
1.4	16QAM	6	0	21.19	21.32	21.33						
1.4	64QAM	1	0	21.29	21.33	21.18						
1.4	64QAM	1	3	21.11	21.23	21.21	22.5	2				
1.4	64QAM	1	5	21.24	21.29	21.20						
1.4	64QAM	3	0	21.28	21.48	21.48						
1.4	64QAM	3	1	21.34	21.46	21.45						
1.4	64QAM	3	3	21.24	21.29	21.28						
1.4	64QAM	6	0	20.18	20.27	20.27	21.5	3				

Band 38_Ant 13											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel											
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	23.45	23.51	23.49			24.5	0	
20	QPSK	1	49	23.44	23.48	23.42					
20	QPSK	1	99	23.40	23.41	23.46					
20	QPSK	50	0	22.74	22.75	22.74					
20	QPSK	50	24	22.70	22.73	22.71			23.5	1	
20	QPSK	50	50	22.70	22.70	22.63					
20	QPSK	100	0	22.61	22.68	22.54					
20	16QAM	1	0	22.27	22.59	22.73					
20	16QAM	1	49	22.91	22.83	22.36			23.5	1	
20	16QAM	1	99	22.51	22.57	22.68					
20	16QAM	50	0	21.61	21.44	21.48					
20	16QAM	50	24	21.82	21.61	21.73					
20	16QAM	50	50	21.73	21.69	21.62			22.5	2	
20	16QAM	100	0	21.64	21.66	21.52					
20	64QAM	1	0	21.23	21.31	20.96					
20	64QAM	1	49	21.25	21.56	21.40					
20	64QAM	1	99	21.30	21.30	21.79			22.5	2	
20	64QAM	50	0	20.59	20.62	20.53					
20	64QAM	50	24	20.60	20.60	20.67					
20	64QAM	50	50	20.74	20.77	20.60					
20	64QAM	100	0	20.60	20.51	20.57			21.5	3	
Channel											
Channel				37625	38000	38175					
Frequency (MHz)				2587.5	2595	2612.5	Time-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	23.44	23.42	23.48					24.5
15	QPSK	1	37	23.41	23.38	23.35					
15	QPSK	1	74	23.36	23.26	23.37					
15	QPSK	36	0	22.70	22.60	22.62					
15	QPSK	36	20	22.62	22.70	22.57			23.5	1	
15	QPSK	36	39	22.65	22.66	22.53					
15	QPSK	75	0	22.47	22.55	22.52					
15	16QAM	1	0	22.20	22.47	22.65					
15	16QAM	1	37	22.80	22.76	22.21			23.5	1	
15	16QAM	1	74	22.46	22.53	22.55					
15	16QAM	36	0	21.49	21.29	21.47					
15	16QAM	36	20	21.58	21.60	21.62					
15	16QAM	36	39	21.65	21.67	21.54			22.5	2	
15	16QAM	75	0	21.59	21.52	21.45					
15	64QAM	1	0	21.20	21.21	20.89					
15	64QAM	1	37	21.19	21.51	21.38					
15	64QAM	1	74	21.76	21.36	21.75			22.5	2	
15	64QAM	36	0	20.57	20.58	20.52					
15	64QAM	36	20	20.56	20.58	20.57					
15	64QAM	36	39	20.58	20.64	20.50					
15	64QAM	75	0	20.59	20.43	20.46			21.5	3	
Channel											
Channel				37600	38000	38200	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				25750	2595	2615					
10	QPSK	1	0	23.35	23.37	23.48					24.5
10	QPSK	1	25	23.34	23.41	23.39					
10	QPSK	1	49	23.34	23.35	23.35					
10	QPSK	25	0	22.66	22.70	22.59					
10	QPSK	25	12	22.67	22.71	22.67			23.5	1	
10	QPSK	25	25	22.64	22.68	22.57					
10	QPSK	50	0	22.52	22.63	22.39					
10	16QAM	1	0	22.22	22.53	22.66					
10	16QAM	1	25	22.78	22.75	22.20			23.5	1	
10	16QAM	1	49	22.44	22.44	22.55					
10	16QAM	25	0	21.60	21.30	21.35					
10	16QAM	25	12	21.52	21.59	21.69					
10	16QAM	25	25	21.62	21.63	21.61			22.5	2	
10	16QAM	50	0	21.50	21.55	21.36					
10	64QAM	1	0	21.12	21.30	20.80					
10	64QAM	1	25	21.12	21.42	21.27					
10	64QAM	1	49	21.74	21.42	21.69			22.5	2	
10	64QAM	25	0	20.50	20.46	20.45					
10	64QAM	25	12	20.46	20.44	20.63					
10	64QAM	25	25	20.72	20.62	20.59					
10	64QAM	50	0	20.49	20.44	20.46			21.5	3	
Channel											
Channel				37775	38000	38225	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	23.34	23.39	23.44					24.5
5	QPSK	1	12	23.41	23.34	23.27					
5	QPSK	1	24	23.28	23.39	23.33					
5	QPSK	12	0	22.58	22.68	22.62					
5	QPSK	12	7	22.55	22.60	22.69			23.5	1	
5	QPSK	12	13	22.69	22.57	22.62					
5	QPSK	25	0	22.57	22.55	22.49					
5	16QAM	1	0	22.21	22.55	22.72					
5	16QAM	1	12	22.90	22.70	22.20			23.5	1	
5	16QAM	1	24	22.40	22.52	22.61					
5	16QAM	12	0	21.45	21.34	21.36					
5	16QAM	12	7	21.61	21.47	21.61					
5	16QAM	12	13	21.66	21.63	21.48			22.5	2	
5	16QAM	25	0	21.58	21.65	21.38					
5	64QAM	1	0	21.22	21.30	20.85					
5	64QAM	1	12	21.11	21.55	21.25					
5	64QAM	1	24	21.73	21.43	21.75			22.5	2	
5	64QAM	12	0	20.46	20.56	20.45					
5	64QAM	12	7	20.48	20.48	20.56					
5	64QAM	12	13	20.73	20.66	20.54					
5	64QAM	25	0	20.54	20.50	20.48			21.5	3	

Band 38_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37850	38000	38150			
20	QPSK	1	0	23.49	23.65	23.57	24.5	0	
20	QPSK	1	49	23.43	23.46	23.57			
20	QPSK	1	99	23.44	23.56	23.52			
20	QPSK	50	0	22.70	22.79	22.73	23.5	1	
20	QPSK	50	24	22.66	22.62	22.62			
20	QPSK	100	0	22.71	22.77	22.52			
20	16QAM	1	0	22.71	22.42	22.43	23.5	1	
20	16QAM	1	49	22.85	22.81	22.70			
20	16QAM	1	99	22.54	23.03	22.84			
20	16QAM	50	0	21.57	21.46	21.43	22.5	2	
20	16QAM	50	24	21.80	21.61	21.70			
20	16QAM	100	0	21.72	21.74	21.73			
20	64QAM	1	0	21.82	22.01	21.13	22.5	2	
20	64QAM	1	49	21.52	21.87	21.65			
20	64QAM	1	99	21.60	21.72	21.52			
20	64QAM	50	0	20.57	20.52	20.55	21.5	3	
20	64QAM	50	24	20.67	20.58	20.69			
20	64QAM	50	50	20.76	20.84	20.71			
20	64QAM	100	0	20.76	20.60	20.49			
Channel									
Frequency (MHz)				37625 <th>38000</th> <th>38175</th> <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	38000	38175	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.37	23.50	23.56	24.5	0	
15	QPSK	1	37	23.30	23.31	23.56			
15	QPSK	1	74	23.30	23.47	23.43			
15	QPSK	36	0	22.54	22.66	22.63	23.5	1	
15	QPSK	36	24	22.52	22.51	22.63			
15	QPSK	36	75	22.54	22.54	22.52			
15	QPSK	75	0	22.60	22.63	22.46	23.5	1	
15	16QAM	1	0	22.57	22.30	22.31			
15	16QAM	1	37	22.83	22.71	22.63			
15	16QAM	1	74	22.47	22.87	22.83	22.5	2	
15	16QAM	36	0	21.47	21.47	21.36			
15	16QAM	36	20	21.74	21.54	21.65			
15	16QAM	36	39	21.63	21.73	21.65	21.5	2	
15	16QAM	75	0	21.58	21.58	21.61			
15	16QAM	1	0	21.67	21.63	21.61			
15	64QAM	1	57	21.36	21.36	21.59	22.5	2	
15	64QAM	1	74	21.59	21.67	21.42			
15	64QAM	36	0	20.46	20.47	20.42			
15	64QAM	36	20	20.59	20.53	20.58	21.5	3	
15	64QAM	36	39	20.71	20.69	20.66			
15	64QAM	75	0	20.66	20.50	20.40			
Channel									
Frequency (MHz)				37675 <th>38000<th>38225</th><th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38000 <th>38225</th> <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	38225	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.46	23.63	23.53	24.5	0	
10	QPSK	1	25	23.28	23.34	23.52			
10	QPSK	1	49	23.28	23.43	23.54			
10	QPSK	25	0	22.66	22.73	22.64	23.5	1	
10	QPSK	12	23	22.62	22.65	22.58			
10	QPSK	25	25	22.63	22.47	22.50			
10	QPSK	50	0	22.70	22.64	22.42	23.5	1	
10	16QAM	1	0	22.68	22.33	22.38			
10	16QAM	1	25	22.72	22.72	22.60			
10	16QAM	1	25	22.49	22.49	22.74	22.5	2	
10	16QAM	25	0	21.42	21.32	21.28			
10	16QAM	25	12	21.71	21.50	21.64			
10	16QAM	50	0	21.64	21.61	21.52	21.5	3	
10	64QAM	1	0	21.66	21.66	21.68			
10	64QAM	1	25	21.37	21.78	21.51			
10	64QAM	1	49	21.59	21.66	21.44	22.5	2	
10	64QAM	25	0	20.48	20.50	20.50			
10	64QAM	25	12	20.52	20.51	20.62			
10	64QAM	25	25	20.67	20.60	20.60	21.5	3	
10	64QAM	50	0	20.71	20.52	20.38			
10	64QAM	50	0	20.77	20.50	20.38			
Channel									
Frequency (MHz)				25775 <th>25950<th>2617.5<th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	25950 <th>2617.5<th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	2617.5 <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.33	23.55	23.48	24.5	0	
5	QPSK	1	12	23.30	23.37	23.41			
5	QPSK	1	24	23.31	23.52	23.42			
5	QPSK	12	0	22.62	22.62	22.58	23.5	1	
5	QPSK	12	7	22.63	22.46	22.58			
5	QPSK	12	13	22.60	22.49	22.48			
5	QPSK	25	0	22.67	22.61	22.42	23.5	1	
5	QPSK	1	0	22.57	22.28	22.30			
5	16QAM	1	12	22.49	22.65	22.57			
5	16QAM	1	24	22.45	22.87	22.74	22.5	2	
5	16QAM	12	0	21.56	21.41	21.35			
5	16QAM	12	7	21.77	21.55	21.61			
5	16QAM	12	13	21.65	21.63	21.59	21.5	2	
5	16QAM	25	0	21.07	21.07	21.48			
5	64QAM	1	0	21.07	21.97	21.03			
5	64QAM	1	12	21.42	21.83	21.33	22.5	2	
5	64QAM	1	24	21.57	21.65	21.51			
5	64QAM	12	0	20.52	20.46	20.51			
5	64QAM	12	7	20.58	20.58	20.53	21.5	3	
5	64QAM	12	13	20.77	20.82	20.70			
5	64QAM	25	0	20.75	20.58	20.34			



Band 41_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2501	2548.3	2593	2639.5	2685.5		
20	QPSK	1	0	23.51	23.49	23.70	23.54	23.39	24.5	0
20	QPSK	1	49	23.44	23.37	23.59	23.40	23.30		
20	QPSK	1	99	23.31	23.38	23.40	23.50	23.37		
20	QPSK	50	0	22.58	22.73	22.74	22.62	22.63		
20	QPSK	50	24	22.50	22.60	22.61	22.60	22.58	23.5	1
20	QPSK	50	50	22.54	22.58	22.59	22.61	22.58		
20	QPSK	100	0	22.56	22.58	22.63	22.61	22.58		
20	16QAM	1	0	22.13	22.17	22.45	22.49	22.25		
20	16QAM	1	49	22.53	22.41	22.88	22.46	22.61	23.5	1
20	16QAM	1	99	22.48	22.53	22.88	22.84	22.52		
20	16QAM	50	0	21.51	21.50	21.60	21.43	21.50		
20	16QAM	50	24	21.59	21.60	21.57	21.49	21.61		
20	16QAM	50	50	21.48	21.59	21.62	21.57	21.71	22.5	2
20	16QAM	100	0	21.56	21.58	21.54	21.49	21.59		
20	64QAM	1	0	21.32	21.17	21.43	21.32	21.29		
20	64QAM	1	49	21.58	21.45	21.64	21.68	21.25		
20	64QAM	1	99	21.24	21.75	21.61	21.54	21.92	22.5	2
20	64QAM	50	0	20.48	20.49	20.51	20.34	20.48		
20	64QAM	50	24	20.57	20.62	20.62	20.58	20.63		
20	64QAM	50	50	20.55	20.59	20.73	20.62	20.78		
20	64QAM	100	0	20.47	20.53	20.45	20.52	20.39	21.5	3
Channel				2603.5	2548.3	2593	2637.8	2682.5		
Frequency (MHz)				2603.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.45	23.46	23.56	23.53	23.38	24.5	0
15	QPSK	1	37	23.38	23.34	23.57	23.35	23.28		
15	QPSK	1	74	23.29	23.25	23.33	23.38	23.31		
15	QPSK	36	0	22.54	22.58	22.59	22.53	22.58		
15	QPSK	36	20	22.46	22.54	22.59	22.49	22.56	23.5	1
15	QPSK	36	39	22.49	22.54	22.47	22.47	22.55		
15	QPSK	75	0	22.40	22.51	22.51	22.45	22.52		
15	16QAM	1	0	22.06	22.12	22.36	22.41	22.12		
15	16QAM	1	37	22.40	22.39	22.80	22.35	22.51	23.5	1
15	16QAM	1	74	22.39	22.38	22.82	22.72	22.52		
15	16QAM	36	0	21.49	21.44	21.53	21.30	21.42		
15	16QAM	36	20	21.57	21.49	21.54	21.48	21.67		
15	16QAM	36	39	21.47	21.50	21.55	21.55	21.66	22.5	2
15	16QAM	75	0	21.55	21.51	21.41	21.41	21.62		
15	64QAM	1	0	21.19	21.14	21.37	21.23	21.24		
15	64QAM	1	37	21.42	21.31	21.57	21.61	21.13		
15	64QAM	1	74	21.11	21.31	21.51	21.45	21.90	22.5	2
15	64QAM	36	0	20.30	20.41	20.38	20.22	20.46		
15	64QAM	36	20	20.43	20.47	20.49	20.51	20.56		
15	64QAM	36	39	20.51	20.48	20.71	20.51	20.77		
15	64QAM	75	0	20.35	20.43	20.39	20.48	20.37	21.5	3
Channel				39750	40185	40620	41093	41565		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.45	23.42	23.56	23.39	23.36	24.5	0
10	QPSK	1	25	23.40	23.21	23.54	23.38	23.18		
10	QPSK	1	49	23.18	23.28	23.27	23.46	23.28		
10	QPSK	24	0	22.47	22.65	22.65	22.54	22.56		
10	QPSK	25	12	22.36	22.53	22.50	22.48	22.47	23.5	1
10	QPSK	25	25	22.52	22.49	22.43	22.46	22.44		
10	QPSK	50	0	22.48	22.54	22.56	22.60	22.48		
10	16QAM	1	0	22.02	22.14	22.33	22.48	22.22		
10	16QAM	1	25	22.49	22.31	22.80	22.38	22.48	23.5	1
10	16QAM	1	49	22.44	22.47	22.82	22.77	22.41		
10	16QAM	25	0	21.47	21.35	21.55	21.37	21.41		
10	16QAM	25	12	21.44	21.58	21.51	21.36	21.47		
10	16QAM	25	25	21.33	21.57	21.55	21.51	21.62	22.5	2
10	16QAM	50	0	21.49	21.56	21.45	21.46	21.56		
10	64QAM	1	0	21.22	21.11	21.27	21.30	21.28		
10	64QAM	1	25	21.44	21.37	21.58	21.64	21.21		
10	64QAM	1	49	21.19	21.59	21.58	21.53	21.84	22.5	2
10	64QAM	25	0	20.30	20.43	20.47	20.19	20.41		
10	64QAM	25	12	20.51	20.56	20.56	20.44	20.61		
10	64QAM	25	25	20.40	20.45	20.60	20.47	20.76		
10	64QAM	50	0	20.43	20.50	20.38	20.48	20.27	21.5	3
Channel				39875	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.45	23.44	23.59	23.40	23.31	24.5	0
5	QPSK	1	12	23.20	23.24	23.51	23.36	23.12		
5	QPSK	1	24	23.18	23.35	23.38	23.38	23.32		
5	QPSK	12	0	22.56	22.57	22.71	22.52	22.62		
5	QPSK	12	7	22.47	22.50	22.57	22.47	22.47	23.5	1
5	QPSK	12	13	22.53	22.55	22.49	22.47	22.59		
5	QPSK	25	0	22.41	22.53	22.54	22.54	22.48		
5	16QAM	1	0	22.07	22.07	22.41	22.45	22.19		
5	16QAM	1	12	22.44	22.29	22.78	22.37	22.54	23.5	1
5	16QAM	1	24	22.35	22.46	22.77	22.78	22.49		
5	16QAM	12	0	21.48	21.40	21.49	21.41	21.36		
5	16QAM	12	7	21.58	21.44	21.44	21.37	21.51		
5	16QAM	12	13	21.39	21.45	21.61	21.54	21.63	22.5	2
5	16QAM	25	0	21.49	21.49	21.49	21.40	21.53		
5	64QAM	1	0	21.22	21.03	21.37	21.23	21.21		
5	64QAM	1	12	21.44	21.36	21.58	21.56	21.24		
5	64QAM	1	24	21.23	21.71	21.52	21.50	21.89	22.5	2
5	64QAM	12	0	20.30	20.43	20.50	20.25	20.46		
5	64QAM	12	7	20.49	20.53	20.50	20.58	20.43		
5	64QAM	12	13	20.50	20.47	20.65	20.56	20.64		
5	64QAM	25	0	20.30	20.49	20.44	20.37	20.26	21.5	3
5	64QAM	25	0	20.30	20.49	20.44	20.37	20.26		

Band 41_Ant 31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40820	41555	41940		
Frequency (MHz)				26015	26015	26015	26015	26015		
20	QPSK	1	0	23.26	23.46	23.72	23.50	23.81	24.5	0
20	QPSK	1	49	23.19	23.40	23.55	23.48	23.49		
20	QPSK	1	99	23.22	23.32	23.45	23.38	23.49		
20	QPSK	50	0	22.60	22.66	22.70	22.57	22.66		
20	QPSK	50	24	22.55	22.58	22.59	22.54	22.52	23.5	1
20	QPSK	50	50	22.59	22.62	22.59	22.55	22.56		
20	QPSK	100	0	22.47	22.61	22.69	22.45	22.51		
20	16QAM	1	0	22.06	22.54	22.51	22.26	22.48		
20	16QAM	1	49	22.31	22.63	22.56	22.37	22.23	23.5	1
20	16QAM	1	99	22.31	22.33	22.86	22.42	22.55		
20	16QAM	50	0	21.41	21.52	21.59	21.55	21.68		
20	16QAM	50	24	21.50	21.62	21.59	21.54	21.58		
20	16QAM	50	50	21.51	21.46	21.69	21.52	21.67	22.5	2
20	16QAM	100	0	21.51	21.48	21.63	21.31	21.54		
20	64QAM	1	0	21.27	21.57	21.35	21.88	21.35		
20	64QAM	1	49	21.45	21.50	21.43	21.51	21.30		
20	64QAM	1	99	21.09	21.51	21.51	21.34	21.72	22.5	2
20	64QAM	50	0	20.48	20.53	20.44	20.41	20.54		
20	64QAM	50	24	20.50	20.60	20.58	20.49	20.55		
20	64QAM	50	50	20.41	20.50	20.83	20.63	20.71		
20	64QAM	100	0	20.46	20.56	20.58	20.50	20.61		
Channel				39750	40185	40820	41555	41940		
Frequency (MHz)				26015	26015	26015	26015	26015		
15	QPSK	1	0	23.15	23.37	23.67	23.35	23.62	24.5	0
15	QPSK	1	37	23.15	23.24	23.48	23.33	23.41		
15	QPSK	1	74	23.07	23.30	23.42	23.27	23.48		
15	QPSK	36	0	22.57	22.63	22.63	22.41	22.63		
15	QPSK	36	36	22.44	22.54	22.54	22.34	22.44	23.5	1
15	QPSK	36	39	22.51	22.59	22.55	22.39	22.53		
15	QPSK	75	0	22.37	22.51	22.55	22.38	22.39		
15	16QAM	1	0	22.01	22.49	22.48	22.21	22.39		
15	16QAM	1	37	22.18	22.48	22.54	22.31	22.43	23.5	1
15	16QAM	1	74	22.17	22.36	22.66	22.37	22.14		
15	16QAM	36	0	21.28	21.51	21.51	21.42	21.59		
15	16QAM	36	20	21.44	21.58	21.54	21.42	21.42		
15	16QAM	36	39	21.37	21.40	21.63	21.47	21.65	22.5	2
15	16QAM	75	0	21.46	21.46	21.48	21.18	21.46		
15	64QAM	1	0	21.16	21.43	21.43	21.24	21.34		
15	64QAM	1	37	21.35	21.35	21.37	21.43	21.28		
15	64QAM	1	74	20.98	21.37	21.72	21.22	21.62	21.5	3
15	64QAM	36	0	20.37	20.37	20.40	20.34	20.38		
15	64QAM	36	20	20.43	20.47	20.48	20.34	20.49		
15	64QAM	36	39	20.27	20.38	20.80	20.54	20.67		
15	64QAM	75	0	20.34	20.51	20.45	20.57	20.57		
Channel				39700	40160	40920	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.18	23.33	23.56	23.45	23.52	24.5	0
10	QPSK	1	25	23.16	23.25	23.44	23.33	23.36		
10	QPSK	1	49	23.16	23.29	23.41	23.24	23.35		
10	QPSK	25	0	22.46	22.52	22.52	22.34	22.57		
10	QPSK	25	12	22.53	22.48	22.53	22.39	22.47	23.5	1
10	QPSK	25	25	22.55	22.48	22.50	22.40	22.63		
10	QPSK	50	0	22.33	22.48	22.54	22.39	22.36		
10	16QAM	1	0	21.97	22.45	22.49	22.21	22.39		
10	16QAM	1	25	22.19	22.54	22.52	22.26	22.39	23.5	1
10	16QAM	1	49	22.15	22.19	22.51	22.38	22.46		
10	16QAM	25	0	21.27	21.40	21.52	21.54	21.57		
10	16QAM	25	12	21.36	21.48	21.45	21.43	21.56		
10	16QAM	25	25	21.46	21.32	21.68	21.46	21.64	22.5	2
10	16QAM	50	0	21.46	21.36	21.36	21.29	21.50		
10	64QAM	1	0	21.11	21.56	21.31	21.74	21.30		
10	64QAM	1	25	21.39	21.48	21.38	21.38	21.20		
10	64QAM	1	49	20.98	21.48	21.66	21.20	21.69	22.5	2
10	64QAM	25	0	20.40	20.41	20.29	20.33	20.49		
10	64QAM	25	12	20.41	20.50	20.56	20.34	20.54		
10	64QAM	25	25	20.46	20.46	20.46	20.67	20.67		
10	64QAM	50	0	20.40	20.40	20.45	20.35	20.48		
Channel				39675	40148	40820	41083	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.16	23.44	23.59	23.40	23.48	24.5	0
5	QPSK	1	12	23.04	23.37	23.51	23.43	23.48		
5	QPSK	1	24	23.20	23.21	23.46	23.39	23.46		
5	QPSK	12	0	22.50	22.64	22.65	22.56	22.60		
5	QPSK	12	7	22.50	22.44	22.54	22.48	22.39	23.5	1
5	QPSK	12	13	22.48	22.61	22.52	22.49	22.56		
5	QPSK	25	0	22.40	22.51	22.62	22.43	22.45		
5	16QAM	1	0	21.99	22.42	22.43	22.25	22.38		
5	16QAM	1	12	22.29	22.29	22.43	22.43	22.19	23.5	1
5	16QAM	1	24	22.23	22.31	22.74	22.35	22.42		
5	16QAM	12	0	21.26	21.41	21.48	21.53	21.57		
5	16QAM	12	7	21.34	21.46	21.43	21.40	21.41		
5	16QAM	12	13	21.40	21.42	21.63	21.41	21.54	22.5	2
5	16QAM	25	0	21.46	21.34	21.34	21.44	21.44		
5	64QAM	1	0	21.23	21.56	21.29	21.75	21.32		
5	64QAM	1	12	21.37	21.39	21.37	21.36	21.21		
5	64QAM	1	24	20.96	21.37	21.69	21.27	21.67	21.5	3
5	64QAM	12	0	20.36	20.51	20.32	20.34	20.52		
5	64QAM	12	7	20.37	20.47	20.47	20.48	20.44		
5	64QAM	12	13	20.27	20.47	20.77	20.49	20.66		
5	64QAM	25	0	20.33	20.41	20.20	20.49	20.46		



Reduced Power Mode for DSI2

GSM850_Ant 13				Burst Average Power (dBm)				Tune-up				Frame-Average Power (dBm)				Tune-up			
TX Channel				Limit				Limit				Limit				Limit			
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)			
GSM 1 Tx slot				30.21	30.11	30.33	31.00	21.21	21.11	21.33	22.00	21.21	21.11	21.33	22.00	21.21	21.11	21.33	22.00
GPRS/EDGE GMSK 1 Tx slot				30.20	30.10	30.31	31.00	21.20	21.10	21.31	22.00	21.20	21.10	21.31	22.00	21.20	21.10	21.31	22.00
GPRS/EDGE GMSK 2 Tx slots				27.10	27.17	27.14	29.00	21.10	21.17	21.14	23.00	21.10	21.17	21.14	23.00	21.10	21.17	21.14	23.00
GPRS/EDGE GMSK 3 Tx slots				25.27	25.32	25.42	27.00	21.01	21.06	21.16	22.74	21.01	21.06	21.16	22.74	21.01	21.06	21.16	22.74
GPRS/EDGE GMSK 4 Tx slots				24.95	24.11	24.27	25.50	21.05	21.11	21.27	22.50	21.05	21.11	21.27	22.50	21.05	21.11	21.27	22.50
EDGE BPSK 1 Tx slot				26.86	26.79	26.80	28.00	17.86	17.79	17.80	19.00	17.86	17.79	17.80	19.00	17.86	17.79	17.80	19.00
EDGE BPSK 2 Tx slots				25.12	25.01	25.02	26.00	19.12	19.01	19.02	20.00	19.12	19.01	19.02	20.00	19.12	19.01	19.02	20.00
EDGE BPSK 3 Tx slots				22.97	23.01	23.05	24.00	18.71	18.75	18.79	19.74	18.71	18.75	18.79	19.74	18.71	18.75	18.79	19.74
EDGE BPSK 4 Tx slots				21.52	21.56	21.63	22.50	18.52	18.56	18.63	19.50	18.52	18.56	18.63	19.50	18.52	18.56	18.63	19.50

GSM1900_Ant 13				Burst Average Power (dBm)				Tune-up				Frame-Average Power (dBm)				Tune-up			
TX Channel				Limit				Limit				Limit				Limit			
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)			
GSM 1 Tx slot				27.04	26.70	26.84	27.50	18.04	17.70	17.84	18.50	18.04	17.70	17.84	18.50	18.04	17.70	17.84	18.50
GPRS/EDGE GMSK 1 Tx slot				27.01	26.69	26.82	27.50	18.01	17.68	17.82	18.50	18.01	17.68	17.82	18.50	18.01	17.68	17.82	18.50
GPRS/EDGE GMSK 2 Tx slots				24.88	24.74	24.70	25.50	18.88	18.74	18.70	19.50	18.88	18.74	18.70	19.50	18.88	18.74	18.70	19.50
GPRS/EDGE GMSK 3 Tx slots				22.08	22.17	22.01	23.50	17.82	17.91	17.75	19.24	17.82	17.91	17.75	19.24	17.82	17.91	17.75	19.24
GPRS/EDGE GMSK 4 Tx slots				20.80	20.81	20.70	22.00	17.80	17.81	17.70	19.00	17.80	17.81	17.70	19.00	17.80	17.81	17.70	19.00
EDGE BPSK 1 Tx slot				26.12	26.39	26.01	27.00	17.12	17.39	17.01	18.00	17.12	17.39	17.01	18.00	17.12	17.39	17.01	18.00
EDGE BPSK 2 Tx slots				24.30	24.24	24.36	25.00	18.30	18.24	18.36	19.00	18.30	18.24	18.36	19.00	18.30	18.24	18.36	19.00
EDGE BPSK 3 Tx slots				22.37	22.31	22.30	23.00	18.11	18.05	18.04	18.74	18.11	18.05	18.04	18.74	18.11	18.05	18.04	18.74
EDGE BPSK 4 Tx slots				20.56	20.51	20.52	21.50	17.56	17.51	17.52	18.50	17.56	17.51	17.52	18.50	17.56	17.51	17.52	18.50

Band				WCDMA I_Ant 13				WCDMA I_Ant 31				Tune-up				Tune-up			
TX Channel				Limit				Limit				Limit				Limit			
Rx Channel				(dBm)				(dBm)				(dBm)				(dBm)			
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)			
3GPP Rel 99 AMR 12.2Kbps				17.90	17.94	17.93	18.50	23.93	23.94	23.87	24.50	23.93	23.94	23.87	24.50	23.93	23.94	23.87	24.50
3GPP Rel 99 RMC 12.2Kbps				17.91	17.96	17.94	18.50	23.94	23.95	23.89	24.50	23.94	23.95	23.89	24.50	23.94	23.95	23.89	24.50
3GPP Rel 6 HSDPA Subtest-1				17.00	17.16	16.95	18.00	22.98	22.95	22.91	24.00	22.98	22.95	22.91	24.00	22.98	22.95	22.91	24.00
3GPP Rel 6 HSDPA Subtest-2				17.12	16.82	16.93	18.00	23.00	22.95	22.93	24.00	23.00	22.95	22.93	24.00	23.00	22.95	22.93	24.00
3GPP Rel 6 HSDPA Subtest-3				16.52	16.74	16.36	17.50	22.49	22.42	22.45	23.50	22.49	22.42	22.45	23.50	22.49	22.42	22.45	23.50
3GPP Rel 6 HSDPA Subtest-4				16.32	16.72	16.47	17.50	22.52	22.43	22.45	23.50	22.52	22.43	22.45	23.50	22.52	22.43	22.45	23.50
3GPP Rel 6 DC-HSDPA Subtest-1				16.88	16.72	16.75	18.00	22.95	22.92	22.79	24.00	22.95	22.92	22.79	24.00	22.95	22.92	22.79	24.00
3GPP Rel 6 DC-HSDPA Subtest-2				16.99	17.10	16.85	18.00	22.99	22.89	22.82	24.00	22.99	22.89	22.82	24.00	22.99	22.89	22.82	24.00
3GPP Rel 6 DC-HSDPA Subtest-3				16.24	16.35	16.32	17.50	22.37	22.26	22.29	23.50	22.37	22.26	22.29	23.50	22.37	22.26	22.29	23.50
3GPP Rel 6 DC-HSDPA Subtest-4				16.42	16.41	16.25	17.50	22.50	22.39	22.31	23.50	22.50	22.39	22.31	23.50	22.50	22.39	22.31	23.50
3GPP Rel 6 HSUPA Subtest-1				17.13	17.11	16.81	18.00	22.99	22.99	22.84	24.00	22.99	22.99	22.84	24.00	22.99	22.99	22.84	24.00
3GPP Rel 6 HSUPA Subtest-2				14.94	15.07	15.20	16.00	20.92	20.96	20.89	22.00	20.92	20.96	20.89	22.00	20.92	20.96	20.89	22.00
3GPP Rel 6 HSUPA Subtest-3				16.16	15.77	15.98	17.00	21.88	21.96	21.97	23.00	21.88	21.96	21.97	23.00	21.88	21.96	21.97	23.00
3GPP Rel 6 HSUPA Subtest-4				14.99	15.00	14.91	16.00	20.94	20.90	20.90	22.00	20.94	20.90	20.90	22.00	20.94	20.90	20.90	22.00
3GPP Rel 6 HSUPA Subtest-5				16.84	17.13	16.83	18.00	23.00	22.90	22.90	24.00	23.00	22.90	22.90	24.00	23.00	22.90	22.90	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1				15.75	15.98	16.00	17.00	21.89	22.05	21.88	23.00	15.75	15.98	16.00	17.00	21.89	22.05	21.88	23.00

	Band		WCDMA V_Ant 13						WCDMA V_Ant 31					
	TX Channel		4152	4162	4233	Tune-up (dBm)		4152	4162	4233	Tune-up (dBm)			
	Rx Channel		4357	4407	4458			4357	4407	4458				
	Frequency (MHz)		21.24	21.28	21.23	(dBm)		21.24	21.28	21.23	(dBm)			
3GPP Rel 99	AMR 12.2Kbps		21.24	21.28	21.23	22.00	24.25	24.37	24.35	25.00	24.25	24.37	24.35	25.00
3GPP Rel 99	RMC 12.2Kbps		21.27	21.29	21.26	22.00	24.27	24.30	24.38	25.00	24.27	24.30	24.38	25.00
3GPP Rel 6	HSDPA Subtest-1		20.63	20.68	20.74	21.50	23.46	23.53	23.57	24.50	23.46	23.53	23.57	24.50
3GPP Rel 6	HSDPA Subtest-2		20.62	20.53	20.55	21.50	23.47	23.54	23.54	24.50	23.47	23.54	23.54	24.50
3GPP Rel 6	HSDPA Subtest-3		20.02	20.27	20.03	21.00	22.94	22.97	23.10	24.00	22.94	22.97	23.10	24.00
3GPP Rel 6	HSDPA Subtest-4		20.15	19.99	20.06	21.00	22.94	23.00	23.06	24.00	22.94	23.00	23.06	24.00
3GPP Rel 6	DC-HSDPA Subtest-1		20.49	20.70	20.54	21.50	23.45	23.47	23.56	24.50	23.45	23.47	23.56	24.50
3GPP Rel 6	DC-HSDPA Subtest-2		20.47	20.54	20.66	21.50	23.45	23.47	23.53	24.50	23.45	23.47	23.53	24.50
3GPP Rel 6	DC-HSDPA Subtest-3		19.82	20.05	19.96	21.00	22.83	22.89	22.95	24.00	22.83	22.89	22.95	24.00
3GPP Rel 6	HSPA Subtest-1		20.06	20.10	19.92	21.00	22.81	22.85	23.04	24.00	22.81	22.85	23.04	24.00
3GPP Rel 6	HSPA Subtest-2		20.08	20.06	20.10	21.00	22.84	22.86	23.00	24.00	22.84	22.86	23.00	24.00
3GPP Rel 6	HSPA Subtest-3		18.40	18.53	18.45	19.50	21.50	21.51	21.51	22.50	21.51	21.51	22.50	23.00
3GPP Rel 6	HSPA Subtest-4		19.77	19.72	19.84	20.50	22.47	22.51	22.53	23.50	22.47	22.51	22.53	23.50
3GPP Rel 6	HSPA Subtest-5		18.42	18.61	18.54	20.50	21.52	21.47	21.58	22.50	21.52	21.47	21.58	22.50
3GPP Rel 7	HSPA+ (HSPA) Subtest-1		19.88	19.83	19.94	20.50	22.51	22.51	22.53	23.51	22.51	22.51	23.51	23.00

Band 2_Ant 13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Max [Ch / Freq]	Power Max [Ch / Freq]	Power Max [Ch / Freq]	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.50	17.60	19.00	18.5	0				
20	QPSK	1	49	17.51	17.69	17.65						
20	QPSK	1	99	17.60	17.60	17.56						
20	QPSK	50	0	17.50	17.61	17.58	18.5	0				
20	QPSK	50	24	17.41	17.49	17.57						
20	QPSK	50	50	17.44	17.45	17.50						
20	QPSK	100	0	17.47	17.58	17.52	18.5	0				
20	16QAM	1	0	17.54	17.40	17.44						
20	16QAM	1	49	17.43	17.59	17.54						
20	16QAM	1	99	17.42	17.53	17.53	18.5	0				
20	16QAM	50	0	17.57	17.44	17.58						
20	16QAM	50	24	17.41	17.43	17.52						
20	16QAM	50	50	17.46	17.59	17.58	18.5	0				
20	16QAM	100	0	17.53	17.54	17.42						
20	64QAM	1	0	17.47	17.48	17.49						
20	64QAM	1	49	17.43	17.59	17.54	18.5	0				
20	64QAM	1	99	17.41	17.44	17.53						
20	64QAM	50	0	17.43	17.42	17.56						
20	64QAM	50	24	17.46	17.43	17.52	18.5	0				
20	64QAM	50	50	17.56	17.44	17.40						
20	64QAM	100	0	17.58	17.55	17.40						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.675	18.000	19.125	18.5	0				
15	QPSK	1	49	17.62	17.48	17.43						
15	QPSK	1	97	17.43	17.40	17.41						
15	QPSK	1	74	17.42	17.47	17.49	18.5	0				
15	QPSK	36	0	17.48	17.56	17.59						
15	QPSK	36	20	17.53	17.42	17.51						
15	QPSK	36	39	17.40	17.47	17.54	18.5	0				
15	QPSK	75	0	17.41	17.56	17.37						
15	16QAM	1	0	17.43	17.56	17.59						
15	16QAM	1	37	17.42	17.48	17.56	18.5	0				
15	16QAM	1	74	17.46	17.49	17.56						
15	16QAM	36	0	17.52	17.47	17.41						
15	16QAM	36	20	17.43	17.49	17.52	18.5	0				
15	16QAM	36	39	17.55	17.49	17.43						
15	16QAM	75	0	17.42	17.58	17.41						
15	64QAM	1	0	17.57	17.49	17.50	18.5	0				
15	64QAM	1	37	17.48	17.54	17.43						
15	64QAM	1	74	17.44	17.43	17.41						
15	64QAM	36	0	17.43	17.47	17.47	18.5	0				
15	64QAM	36	18	17.43	17.44	17.48						
15	64QAM	36	39	17.59	17.59	17.43						
15	64QAM	75	0	17.53	17.58	17.48						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.444	17.411	17.522	18.5	0				
10	QPSK	1	25	17.566	17.533	17.589						
10	QPSK	1	49	17.577	17.400	17.490						
10	QPSK	25	0	17.433	17.480	17.430	18.5	0				
10	QPSK	25	12	17.599	17.433	17.544						
10	QPSK	25	25	17.466	17.422	17.522						
10	QPSK	50	0	17.444	17.444	17.522	18.5	0				
10	16QAM	1	0	17.544	17.444	17.411						
10	16QAM	1	25	17.444	17.444	17.500						
10	16QAM	1	49	17.477	17.422	17.410	18.5	0				
10	16QAM	25	0	17.556	17.444	17.533						
10	16QAM	25	12	17.433	17.422	17.511						
10	16QAM	25	25	17.455	17.420	17.544	18.5	0				
10	16QAM	50	0	17.544	17.444	17.410						
10	16QAM	50	25	17.588	17.490	17.544						
10	16QAM	1	25	17.466	17.577	17.588	18.5	0				
10	16QAM	1	49	17.577	17.444	17.410						
10	64QAM	1	0	17.455	17.422	17.511						
10	64QAM	1	12	17.400	17.450	17.500	18.5	0				
10	64QAM	1	25	17.433	17.420	17.410						
10	64QAM	50	0	17.400	17.411	17.410						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.588	18.000	19.175	18.5	0				
5	QPSK	1	12	17.599	17.570	17.420						
5	QPSK	1	24	17.477	17.430	17.520						
5	QPSK	12	0	17.466	17.430	17.410	18.5	0				
5	QPSK	12	7	17.440	17.411	17.390						
5	QPSK	12	13	17.444	17.440	17.500						
5	QPSK	25	0	17.599	17.410	17.420	18.5	0				
5	QPSK	25	0	17.420	17.430	17.460						
5	16QAM	1	0	17.505	17.400	17.470						
5	16QAM	1	24	17.474	17.400	17.420	18.5	0				
5	16QAM	12	0	17.566	17.480	17.400						
5	16QAM	12	7	17.433	17.420	17.560						
5	16QAM	12	13	17.450	17.400	17.520	18.5	0				
5	16QAM	25	0	17.460	17.420	17.410						
5	64QAM	1	0	17.411	17.450	17.520						
5	64QAM	1	12	17.411	17.550	17.410	18.5	0				
5	64QAM	1	24	17.580	17.410	17.510						
5	64QAM	12	0	17.400	17.480	17.490						
5	64QAM	12	7	17.433	17.410	17.410	18.5	0				
5	64QAM	12	13	17.433	17.450	17.420						
5	64QAM	25	0	17.433	17.410	17.400						
Channel												
Frequency (MHz)												
3	QPSK	1	0	18.015	18.000	19.015	18.5	0				
3	QPSK	1	8	17.537	17.504	17.555						
3	QPSK	1	14	17.412	17.433	17.533						
3	QPSK	8	0	17.417	17.577	17.533	18.5	0				
3	QPSK	8	4	17.400	17.411	17.520						
3	QPSK	8	7	17.444	17.490	17.520						
3	QPSK	15	0	17.588	17.433	17.590	18.5	0				
3	16QAM	1	0	17.533	17.410	17.410						
3	16QAM	1	8	17.484	17.433	17.560						
3	16QAM	1	14	17.490	17.533	17.520	18.5	0				
3	16QAM	8	0	17.533	17.433	17.533						
3	16QAM	8	4	17.400	17.460	17.400						
3	16QAM	8	7	17.590	17.577	17.533	18.5	0				
3	16QAM	15	0	17.524	17.527	17.560						
3	64QAM	1	0	17.488	17.488	17.520						
3	64QAM	1	8	17.466	17.450	17.560	18.5	0				
3	64QAM	1	14	17.508	17.420	17.480						
3	64QAM	8	0	17.444	17.460	17.544						
3	64QAM	8	4	17.433	17.420	17.410	18.5	0				
3	64QAM	8	7	17.411	17.433	17.410						
3	64QAM	15	0	17.400	17.533	17.400						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.450	17.460	17.500	18.5	0				
1.4	QPSK	1	3	17.420	17.560	17.430						
1.4	QPSK	1	5	17.506	17.410	17.470						
1.4	QPSK	3	0	17.470	17.400	17.570	18.5	0				
1.4	QPSK	3	1	17.444	17.470	17.520						
1.4	QPSK	3	17.444	17.420	17.480							
1.4	QPSK	6	0	17.466	17.433	17.520	18.5	0				
1.4	16QAM	1	0	17.570	17.410	17.430						
1.4	16QAM	1	3	17.450	17.450	17.560						
1.4	16QAM	1	5	17.430	17.420	17.540	18.5	0				
1.4	16QAM	3	0	17.550	17.490	17.530						
1.4	16QAM	3	1	17.460	17.440	17.570	18.5	0				
1.4	16QAM	6	0	17.570	17.540	17.430						
1.4	16QAM	6	0	17.570	17.540	17.430						
1.4	16QAM	1	0	17.480	17.570	17.520	18.5	0				
1.4	16QAM	1	3	17.411	17.430	17.430						
1.4	16QAM	3	0	17.490	17.480	17.470						
1.4	64QAM	3	1	17.444	17.411	17.560	18.5	0				
1.4	64QAM	3	17.444	17.460	17.460							
1.4	64QAM	3	17.444	17.550	17.470							

Band 4_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq (dBm)	Power Mask (dBm)	Power Ch./Freq (dBm)	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1700	1732.5	1745				
20	QPSK	1	0	19.00	20.00	19.91	21	0		
20	QPSK	1	49	19.95	19.95	19.85				
20	QPSK	1	99	19.98	19.98	19.90				
20	QPSK	50	0	19.97	20.04	19.95				
20	QPSK	50	24	19.98	20.01	19.92	21	0		
20	QPSK	50	50	19.94	19.95	19.90				
20	QPSK	100	0	20.01	20.02	19.94				
20	16QAM	1	0	19.95	20.05	19.90				
20	16QAM	1	49	19.98	20.05	19.91	21	0		
20	16QAM	1	99	20.00	20.07	19.95				
20	16QAM	50	0	19.99	20.06	19.93				
20	16QAM	50	24	19.96	19.96	19.95				
20	16QAM	50	50	20.00	20.05	19.90	21	0		
20	16QAM	100	0	19.96	20.03	19.94				
20	64QAM	1	0	19.92	19.97	19.97				
20	64QAM	1	49	19.92	20.07	19.92				
20	64QAM	50	0	19.94	20.06	19.95	21	0		
20	64QAM	50	24	19.94	20.06	19.95				
20	64QAM	50	50	19.96	20.00	19.92				
20	64QAM	100	0	19.96	20.02	19.89				
20	64QAM	100	50	19.93	19.95	19.88				
20	64QAM	100	100	19.96	19.95	19.91				
Channel										
Frequency (MHz)				1717.5	1732.5	1747.5	Time-up limit (dBm)	MPR (dB)		
18	QPSK	1	0	19.91	20.05	19.97	21	0		
18	QPSK	1	37	19.96	19.99	19.90				
18	QPSK	1	74	19.92	20.08	19.92				
18	QPSK	36	0	19.96	19.99	19.96				
18	QPSK	36	20	19.95	20.01	19.96	21	0		
18	QPSK	36	36	19.98	20.02	19.96				
18	QPSK	75	0	19.98	20.08	19.94				
18	16QAM	1	0	19.92	20.00	19.90				
18	16QAM	1	37	19.91	20.02	19.97	21	0		
18	16QAM	1	74	20.00	20.03	19.90				
18	16QAM	36	0	19.96	20.02	19.92				
18	16QAM	36	20	19.97	20.05	19.97				
18	16QAM	36	36	20.00	20.00	19.95	21	0		
18	16QAM	75	0	19.96	20.01	19.92				
18	64QAM	1	0	19.96	20.06	19.97				
18	64QAM	1	37	19.90	20.06	19.98				
18	64QAM	1	74	20.00	19.99	19.94	21	0		
18	64QAM	36	0	19.95	19.99	19.96				
18	64QAM	36	20	19.94	19.96	19.96				
18	64QAM	36	36	19.92	20.01	19.95				
18	64QAM	75	0	19.93	20.03	19.95	21	0		
Channel										
Frequency (MHz)				1715	1732.5	1750		Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.91	20.05	19.97	21	0		
10	QPSK	1	25	19.92	19.99	19.90				
10	QPSK	1	49	19.95	20.01	19.94				
10	QPSK	25	0	19.95	20.02	19.96				
10	QPSK	25	12	19.95	19.99	19.91	21	0		
10	QPSK	25	25	19.95	20.00	19.92				
10	QPSK	50	0	19.96	20.00	19.90				
10	16QAM	1	0	19.91	20.01	19.92				
10	16QAM	1	25	19.95	20.06	19.96	21	0		
10	16QAM	1	49	19.95	19.99	19.94				
10	16QAM	25	0	19.95	19.96	19.96				
10	16QAM	25	12	20.00	19.98	19.97				
10	16QAM	25	25	19.96	19.99	19.91	21	0		
10	16QAM	50	0	19.95	20.06	19.97				
10	16QAM	50	0	19.95	20.05	19.90				
10	64QAM	1	25	19.91	19.95	19.94				
10	64QAM	1	49	19.95	19.99	19.92	21	0		
10	64QAM	25	0	19.95	19.99	19.95				
10	64QAM	25	12	19.92	20.02	19.95				
10	64QAM	25	25	19.91	20.08	19.95				
10	64QAM	50	0	19.94	19.97	19.96	21	0		
Channel										
Frequency (MHz)				1717.5	1737.5	1752.5		Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.95	20.00	19.94	21	0		
5	QPSK	1	12	19.91	20.01	19.93				
5	QPSK	1	24	19.97	19.99	19.90				
5	QPSK	12	0	19.99	20.05	19.94				
5	QPSK	12	7	19.98	19.98	19.94	21	0		
5	QPSK	12	13	19.95	20.02	19.97				
5	16QAM	1	0	19.91	20.06	19.95				
5	16QAM	1	12	19.88	20.06	19.95				
5	16QAM	1	24	19.96	19.99	19.96	21	0		
5	16QAM	12	0	19.92	19.99	19.91				
5	16QAM	12	7	20.01	19.99	19.95				
5	16QAM	12	13	19.97	19.97	19.94				
5	16QAM	25	0	19.95	20.03	19.95	21	0		
5	64QAM	1	0	20.00	19.99	19.92				
5	64QAM	1	12	20.00	20.06	19.94				
5	64QAM	1	24	19.96	20.06	19.95				
5	64QAM	12	0	19.92	20.07	19.94				
5	64QAM	12	7	19.90	19.99	19.95	21	0		
5	64QAM	12	13	19.92	19.98	19.92				
5	64QAM	25	0	20.01	20.07	19.95				
Channel										
Frequency (MHz)				1743.5	1727.5	1743.5		Time-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	19.90	19.97	19.90	21	0		
3	QPSK	1	8	19.95	20.04	19.94				
3	QPSK	1	14	20.01	19.95	19.97				
3	QPSK	8	0	19.97	19.96	19.93				
3	QPSK	8	4	19.98	20.04	19.94	21	0		
3	QPSK	8	4	19.95	19.96	19.95				
3	QPSK	15	0	19.96	20.07	19.97				
3	16QAM	1	0	19.92	19.96	19.93				
3	16QAM	1	8	19.94	20.02	19.93	21	0		
3	16QAM	8	4	19.96	19.98	19.97				
3	16QAM	8	7	19.89	19.97	19.94				
3	16QAM	15	0	19.95	20.03	19.95				
3	64QAM	1	0	19.90	20.00	19.93	21	0		
3	64QAM	1	8	19.95	20.07	19.93				
3	64QAM	8	0	19.97	19.99	19.95				
3	64QAM	8	4	19.89	20.06	19.93				
3	64QAM	15	0	19.93	20.08	19.94	21	0		
Channel										
Frequency (MHz)				1741.5 <th>1727.5</th> <th>1754.5</th> <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	1727.5	1754.5		Time-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	19.95	20.04	19.97	21	0		
1.4	QPSK	1	3	19.95	20.04	19.93				
1.4	QPSK	3	0	20.01	20.00	19.98				
1.4	QPSK	3	3	20.01	19.96	19.95				
1.4	QPSK	6	0	19.98	20.01	19.94	21	0		
1.4	16QAM	1	0	19.95	19.98	19.95				
1.4	16QAM	1	3	20.01	20.03	19.95				
1.4	16QAM	1	5	19.93	20.02	19.91				
1.4	16QAM	3	0	19.94	19.97	19.90	21	0		
1.4	16QAM	3	3	19.97	20.00	19.95				
1.4	16QAM	3	5	19.93	19.95	19.91				
1.4	16QAM	6	0	19.98	20.05	19.97				
1.4	64QAM	1	0	19.88	20.04	19.93	21	0		
1.4	64QAM	1	3	19.92	20.06	19.92				
1.4	64QAM	1	5	19.95	19.95	19.90				
1.4	64QAM	3	0	19.89	19.99	19.94				
1.4	64QAM	3	1	20.01	20.08	19.91	21	0		
1.4	64QAM	3	3	19.97	19.98	19.91				
1.4	64QAM	6	0	19.93	19.99	19.94				

Band 5_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. (W)	Power Mask (dB)	Power High (W)	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.23	22.24	22.23	23	0		
10	QPSK	1	25	22.17	22.20	22.21				
10	QPSK	1	49	22.20	22.17	22.18				
10	QPSK	25	0	22.20	22.21	22.19				
10	QPSK	25	12	22.19	22.21	22.18	23	0		
10	QPSK	25	25	22.19	22.16	22.17				
10	QPSK	50	0	22.16	22.17	22.19				
10	16QAM	1	0	22.06	22.02	22.03				
10	16QAM	1	25	22.06	22.07	22.05	23	0		
10	16QAM	1	49	22.04	22.00	22.03				
10	16QAM	25	0	22.05	22.01	22.00				
10	16QAM	25	12	22.05	22.02	22.05	23	0		
10	16QAM	50	0	22.01	22.02	22.03				
10	64QAM	1	0	22.04	22.02	22.04				
10	64QAM	1	25	22.07	22.03	22.04				
10	64QAM	1	49	22.08	22.01	22.08	23	0		
10	64QAM	25	0	21.05	22.01	21.08				
10	64QAM	25	12	21.03	21.10	21.12				
10	64QAM	25	25	21.10	21.17	21.13				
10	64QAM	50	0	21.07	21.07	21.09	23	1		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.02	22.02	22.02		23	0	
5	QPSK	1	12	22.05	22.04	22.01				
5	QPSK	1	24	22.02	22.01	22.01				
5	QPSK	12	0	22.03	22.02	22.07				
5	QPSK	12	7	22.03	22.03	22.03	23	0		
5	QPSK	12	14	22.08	22.03	22.03				
5	QPSK	12	19	22.07	22.08	22.05				
5	16QAM	1	0	22.05	22.02	22.04				
5	16QAM	1	12	22.05	22.04	22.01	23	0		
5	16QAM	1	24	22.08	22.01	22.04				
5	16QAM	12	0	22.05	22.00	22.05				
5	16QAM	12	7	22.07	22.02	22.00				
5	16QAM	12	13	22.06	22.07	22.08	23	0		
5	16QAM	25	0	22.00	22.01	22.00				
5	64QAM	1	0	22.08	22.08	22.03				
5	64QAM	1	12	22.08	22.03	22.07				
5	64QAM	1	24	22.07	22.03	22.07	23	0		
5	64QAM	12	0	22.09	22.09	21.02				
5	64QAM	12	7	22.09	22.05	21.11				
5	64QAM	12	13	21.08	21.04	21.00				
5	64QAM	25	0	22.04	22.01	22.00	23	1		
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.03	22.03	22.03		23	0	
3	QPSK	1	14	22.02	22.09	22.01				
3	QPSK	8	0	22.02	22.02	22.02				
3	QPSK	8	4	22.04	22.01	22.01				
3	QPSK	8	7	22.05	22.03	22.01	23	0		
3	QPSK	15	0	22.08	22.02	22.03				
3	16QAM	1	0	22.00	22.03	22.03				
3	16QAM	1	14	22.04	22.01	22.00				
3	16QAM	8	0	22.06	22.06	22.06	23	0		
3	16QAM	8	4	22.05	22.03	22.04				
3	16QAM	8	7	22.08	22.03	22.04				
3	16QAM	15	0	22.05	22.03	22.04				
3	64QAM	1	0	22.04	22.03	22.03	23	0		
3	64QAM	1	8	22.06	22.05	22.05				
3	64QAM	1	14	22.04	22.04	22.04				
3	64QAM	8	0	22.07	21.04	21.04				
3	64QAM	8	4	22.07	21.09	22.07	23	1		
3	64QAM	8	7	21.08	21.01	21.04				
3	64QAM	15	0	22.03	20.02	20.03				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.47	22.47	22.47	23	0		
1.4	QPSK	1	5	22.07	22.07	22.01				
1.4	QPSK	3	1	22.03	22.00	22.02				
1.4	QPSK	3	1	22.09	22.01	22.01				
1.4	QPSK	3	1	22.09	22.03	22.05	23	0		
1.4	QPSK	6	0	22.01	22.01	22.00				
1.4	16QAM	1	0	22.05	22.02	22.05				
1.4	16QAM	1	5	22.05	22.01	22.07				
1.4	16QAM	3	1	22.08	22.02	22.07	23	0		
1.4	16QAM	3	1	22.09	22.03	22.07				
1.4	16QAM	6	0	22.00	22.02	22.03				
1.4	64QAM	1	0	22.03	22.00	22.06				
1.4	64QAM	1	5	22.03	22.03	22.03	23	0		
1.4	64QAM	3	1	22.00	22.02	22.03				
1.4	64QAM	3	1	22.07	22.05	22.00				
1.4	64QAM	3	1	22.05	22.08	22.04				
1.4	64QAM	6	0	22.01	22.04	22.01	23	0		
1.4	64QAM	6	0	21.18	21.14	21.07				

Band 7_Ant 31												
BW (MHz)	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	22.06	22.08	22.07	24	0				
20	QPSK	1	49	22.25	22.32	22.32						
20	QPSK	1	99	22.82	22.85	22.86						
20	QPSK	50	0	22.05	22.14	22.13						
20	QPSK	50	24	21.83	21.96	22.08	23	1				
20	QPSK	50	50	21.99	22.09	22.12						
20	QPSK	100	0	22.05	22.05	22.02						
20	16QAM	1	0	22.04	22.40	22.55						
20	16QAM	1	49	22.29	22.32	22.72	23	1				
20	16QAM	1	99	22.58	22.18	22.77						
20	16QAM	50	0	20.76	20.90	20.99						
20	16QAM	50	24	20.91	20.99	21.10						
20	16QAM	100	0	21.00	21.04	21.12	22	2				
20	16QAM	1	0	20.87	21.09	20.84						
20	16QAM	1	49	21.37	21.33	20.91						
20	16QAM	1	99	21.40	21.26	21.32						
20	16QAM	50	0	20.03	19.97	20.06	21	3				
20	16QAM	50	24	20.01	20.02	20.07						
20	16QAM	50	50	19.89	20.03	20.12						
20	16QAM	100	0	20.02	19.88	20.08						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.63	22.34	22.62	24	0				
15	QPSK	1	37	22.75	22.82	22.84						
15	QPSK	1	74	22.69	22.74	22.82						
15	QPSK	36	0	21.98	22.26	22.05						
15	QPSK	36	20	21.78	21.82	22.04	23	1				
15	QPSK	36	99	21.96	22.00	21.96						
15	QPSK	75	0	21.89	21.91	21.89						
15	16QAM	1	0	22.01	22.24	22.42						
15	16QAM	1	37	22.23	22.19	22.68	23	1				
15	16QAM	1	74	22.01	22.06	22.70						
15	16QAM	36	0	20.66	20.89	20.91						
15	16QAM	36	20	20.81	20.96	20.96						
15	16QAM	36	99	20.80	20.99	21.05	22	2				
15	16QAM	75	0	20.86	20.95	21.05						
15	16QAM	1	0	20.73	21.06	20.74						
15	16QAM	1	37	21.35	21.18	20.87						
15	16QAM	1	74	21.36	21.21	21.18	22	2				
15	16QAM	36	0	19.93	19.91	20.01						
15	16QAM	36	20	19.82	19.96	19.92						
15	16QAM	36	99	19.81	19.93	19.97						
15	16QAM	75	0	19.92	19.73	19.96	21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.50	22.97	22.95	24	0				
5	QPSK	1	12	22.80	22.96	22.88						
5	QPSK	1	24	22.79	22.72	22.79						
5	QPSK	12	0	21.95	22.12	22.09						
5	QPSK	12	7	21.77	21.90	22.07	23	1				
5	QPSK	12	13	21.87	21.94	21.99						
5	QPSK	25	0	21.67	21.95	21.95						
5	16QAM	1	0	22.00	22.36	22.39						
5	16QAM	1	12	22.24	22.17	22.59	23	1				
5	16QAM	1	24	22.01	22.07	22.63						
5	16QAM	12	0	20.93	20.78	20.94						
5	16QAM	12	7	20.83	20.89	21.09						
5	16QAM	12	13	20.92	20.95	20.99	22	2				
5	16QAM	25	0	20.85	20.98	20.92						
5	16QAM	1	0	20.73	21.05	20.73						
5	16QAM	1	12	21.27	21.25	20.78						
5	16QAM	1	24	21.24	21.15	21.27	22	2				
5	16QAM	12	0	19.88	19.94	20.05						
5	16QAM	12	7	19.88	19.92	19.97						
5	16QAM	12	13	19.76	19.94	19.98						
5	16QAM	25	0	19.95	19.77	19.98	21	3				

Band 7_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20850	21100	21350			
20	QPSK	1	0	19.55	19.65	19.61	21	0	
20	QPSK	1	49	19.47	19.52	19.59			
20	QPSK	1	99	19.46	19.53	19.53			
20	QPSK	50	0	19.50	19.58	19.57			
20	QPSK	50	24	19.47	19.51	19.54	21	0	
20	QPSK	50	50	19.43	19.51	19.52			
20	QPSK	100	0	19.45	19.48	19.47			
20	16QAM	1	0	19.47	19.52	19.49			
20	16QAM	1	49	19.44	19.54	19.55	21	0	
20	16QAM	1	99	19.45	19.55	19.50			
20	16QAM	50	0	19.48	19.56	19.51			
20	16QAM	50	24	19.45	19.57	19.54			
20	16QAM	50	50	19.47	19.48	19.47	21	0	
20	16QAM	100	0	19.47	19.55	19.54			
20	16QAM	1	0	19.40	19.48	19.52			
20	16QAM	1	49	19.40	19.48	19.54			
20	16QAM	1	99	19.41	19.51	19.47	20	1	
20	16QAM	50	0	19.43	19.48	19.49			
20	16QAM	50	24	19.46	19.50	19.48			
20	16QAM	50	50	19.40	19.49	19.52			
20	16QAM	100	0	19.42	19.49	19.47			
Channel				20852	21100	21375	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20857.5	20930	20922.5			
15	QPSK	1	0	19.61	19.66	19.60	21	0	
15	QPSK	1	37	19.53	19.52	19.60			
15	QPSK	1	74	19.59	19.54	19.54			
15	QPSK	36	0	19.49	19.49	19.51			
15	QPSK	36	30	19.44	19.49	19.49	21	0	
15	QPSK	36	99	19.49	19.47	19.42			
15	QPSK	75	0	19.40	19.44	19.39			
15	16QAM	1	0	19.46	19.43	19.42			
15	16QAM	1	37	19.49	19.46	19.50	21	0	
15	16QAM	1	74	19.47	19.54	19.47			
15	16QAM	36	0	19.53	19.53	19.51			
15	16QAM	36	30	19.56	19.49	19.48			
15	16QAM	36	99	19.44	19.40	19.43	21	0	
15	16QAM	75	0	19.52	19.54	19.50			
15	16QAM	1	0	19.46	19.44	19.38			
15	16QAM	1	37	19.38	19.40	19.41			
15	16QAM	1	74	19.45	19.45	19.44	20	1	
15	16QAM	36	0	19.42	19.40	19.46			
15	16QAM	36	30	19.47	19.45	19.54			
15	16QAM	36	99	19.39	19.42	19.41			
15	16QAM	75	0	19.48	19.40	19.45			
Channel				20850	21100	21400	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20855	20935	20955			
10	QPSK	1	0	19.58	19.64	19.59	21	0	
10	QPSK	1	25	19.58	19.64	19.59			
10	QPSK	1	49	19.60	19.56	19.52			
10	QPSK	25	0	19.54	19.48	19.52			
10	QPSK	25	12	19.47	19.48	19.46	21	0	
10	QPSK	25	37	19.43	19.42	19.44			
10	QPSK	50	0	19.46	19.47	19.47			
10	16QAM	1	0	19.44	19.46	19.45			
10	16QAM	1	25	19.48	19.46	19.46	21	0	
10	16QAM	1	49	19.47	19.45	19.47			
10	16QAM	25	0	19.53	19.51	19.54			
10	16QAM	25	12	19.50	19.56	19.47			
10	16QAM	25	37	19.43	19.45	19.48	21	0	
10	16QAM	50	0	19.52	19.52	19.48			
10	16QAM	1	0	19.38	19.47	19.45			
10	16QAM	1	25	19.43	19.43	19.42			
10	16QAM	1	49	19.43	19.41	19.42	20	1	
10	16QAM	25	0	19.38	19.42	19.45			
10	16QAM	25	12	19.48	19.49	19.47			
10	16QAM	25	37	19.45	19.39	19.46			
10	16QAM	50	0	19.46	19.47	19.41			
Channel				20775	21100	21425	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20929.5	20935	20937.5			
5	QPSK	1	0	19.59	19.56	19.62	21	0	
5	QPSK	1	12	19.60	19.54	19.61			
5	QPSK	1	24	19.54	19.55	19.56			
5	QPSK	12	0	19.49	19.56	19.48			
5	QPSK	12	7	19.41	19.41	19.41	21	0	
5	QPSK	12	13	19.47	19.42	19.46			
5	QPSK	25	0	19.43	19.46	19.38			
5	16QAM	1	0	19.50	19.43	19.47			
5	16QAM	1	12	19.52	19.49	19.47	21	0	
5	16QAM	1	24	19.46	19.54	19.53			
5	16QAM	12	0	19.50	19.54	19.53			
5	16QAM	12	7	19.52	19.48	19.48			
5	16QAM	12	13	19.41	19.38	19.44	21	0	
5	16QAM	25	0	19.52	19.51	19.54			
5	16QAM	1	0	19.43	19.43	19.44			
5	16QAM	1	12	19.38	19.44	19.42			
5	16QAM	1	24	19.42	19.47	19.48	20	1	
5	16QAM	12	0	19.40	19.40	19.38			
5	16QAM	12	7	19.54	19.49	19.48			
5	16QAM	12	13	19.42	19.43	19.42			
5	16QAM	25	0	19.47	19.43	19.42			

Band 13_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel							23230					
Frequency (MHz)							782					
10	QPSK	1	0	24.17			25	0				
10	QPSK	1	25	24.13								
10	QPSK	1	49	23.88								
10	QPSK	25	0	23.11			24	1				
10	QPSK	25	12	22.897								
10	QPSK	25	25	23.10								
10	QPSK	50	0	22.98			24	1				
10	16QAM	1	0	23.12								
10	16QAM	1	25	22.91								
10	16QAM	1	49	23.32			23	2				
10	16QAM	25	0	22.10								
10	16QAM	25	12	21.98								
10	16QAM	25	25	22.11			23	2				
10	16QAM	50	0	22.05								
10	64QAM	1	0	22.61								
10	64QAM	1	25	22.13			22	3				
10	64QAM	1	49	22.04								
10	64QAM	25	0	21.00								
10	64QAM	25	12	20.98			22	3				
10	64QAM	25	25	21.12								
10	64QAM	50	0	21.06								
Channel										23205 23230 23255	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)										778.5 782 784.5		
5	QPSK	1	0	24.13	24.09	24.04				25	0	
5	QPSK	1	12	24.08	24.05	23.98						
5	QPSK	1	24	23.86	23.84	23.72						
5	QPSK	12	0	23.07	23.03	23.02	24	1				
5	QPSK	12	7	22.81	22.87	22.84						
5	QPSK	12	13	23.01	23.06	23.00						
5	QPSK	25	0	22.82	22.88	22.85	24	1				
5	16QAM	1	0	23.09	23.02	23.05						
5	16QAM	1	12	22.85	22.89	22.79						
5	16QAM	1	24	23.28	23.20	23.19	23	2				
5	16QAM	12	0	22.07	22.02	21.94						
5	16QAM	12	7	21.96	21.97	21.83						
5	16QAM	12	13	22.09	22.10	22.05	23	2				
5	16QAM	25	0	21.96	21.89	21.95						
5	64QAM	1	12	22.00	22.02	22.04						
5	64QAM	1	24	21.91	21.88	21.91	22	3				
5	64QAM	12	0	20.98	20.93	20.91						
5	64QAM	12	7	20.96	20.98	20.90						
5	64QAM	12	13	21.04	21.09	21.08	22	3				
5	64QAM	25	0	20.96	21.01	20.99						

Band 13_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
23230									
Frequency (MHz)									
10	QPSK	1	0	24.16			25	0	
10	QPSK	1	25	24.11					
10	QPSK	1	49	23.94					
10	QPSK	25	0	23.17			24	1	
10	QPSK	25	12	22.99					
10	QPSK	25	25	23.16					
10	QPSK	50	0	23.08			24	1	
10	16QAM	1	0	23.58					
10	16QAM	1	25	23.26					
10	16QAM	1	49	23.32			24	1	
10	16QAM	25	0	22.04					
10	16QAM	25	12	22.98					
10	16QAM	25	25	22.17			23	2	
10	16QAM	50	0	22.10					
10	64QAM	1	0	22.28					
10	64QAM	1	25	22.52			23	2	
10	64QAM	1	49	22.14					
10	64QAM	25	0	20.97					
10	64QAM	25	12	21.11			22	3	
10	64QAM	25	25	21.09					
10	64QAM	50	0	21.00					
Channel									
23205 23230 23255									
Frequency (MHz)									
5	QPSK	1	0	24.07	24.14	24.11	25	0	
5	QPSK	1	12	24.08	24.02	24.01			
5	QPSK	1	24	23.81	23.78	23.84			
5	QPSK	12	0	23.15	23.11	23.14	24	1	
5	QPSK	12	7	22.85	22.89	22.85			
5	QPSK	12	13	23.05	23.15	23.13			
5	QPSK	25	0	23.04	22.95	23.04	24	1	
5	16QAM	1	0	23.30	23.56	23.51			
5	16QAM	1	12	23.18	23.19	23.19			
5	16QAM	1	24	23.25	23.22	23.28	23	2	
5	16QAM	12	0	21.96	22.01	21.93			
5	16QAM	12	7	22.00	22.05	21.93			
5	16QAM	12	13	22.14	22.10	22.02	23	2	
5	16QAM	25	0	21.98	21.84	22.04			
5	64QAM	1	0	22.17	22.15	22.25			
5	64QAM	1	12	22.47	22.50	22.47	22	2	
5	64QAM	1	24	22.09	21.98	22.12			
5	64QAM	12	0	20.82	20.85	20.80			
5	64QAM	12	7	21.02	21.06	21.08	22	3	
5	64QAM	12	13	21.06	21.02	21.01			
5	64QAM	25	0	20.89	20.99	20.92			

Band 17_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Middle Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				23760	23790	23800			
				709	710	711			
10	QPSK	1	0	24.16	24.21	24.20	25	0	
10	QPSK	1	25	24.15	24.07	24.15			
10	QPSK	1	49	24.02	24.15	24.11			
10	QPSK	25	0	23.23	23.30	23.20	24	1	
10	QPSK	25	12	23.24	23.16	23.18			
10	QPSK	25	25	23.20	23.20	23.18			
10	QPSK	50	0	23.28	23.29	23.26	24	1	
10	16QAM	1	0	23.50	23.58	23.52			
10	16QAM	1	25	23.30	23.19	23.33			
10	16QAM	1	49	23.52	23.34	23.56	23	2	
10	16QAM	25	0	22.17	22.08	22.17			
10	16QAM	25	12	22.31	22.23	22.22			
10	16QAM	25	25	22.35	22.38	22.32	23	2	
10	16QAM	50	0	22.21	22.12	22.23			
10	64QAM	1	0	22.30	22.67	22.24			
10	64QAM	1	25	22.62	22.79	22.12	22	3	
10	64QAM	1	49	22.52	22.61	22.49			
10	64QAM	25	0	21.25	21.23	21.15			
10	64QAM	25	12	21.59	21.29	21.16	22	3	
10	64QAM	25	25	21.28	21.17	21.21			
10	64QAM	50	0	21.30	21.11	21.07			
Channel									
Frequency (MHz)				23755	23790	23825			
				700	710	715.5			
5	QPSK	1	0	24.06	24.15	24.17	25	0	
5	QPSK	1	12	24.04	23.98	24.14			
5	QPSK	1	24	23.93	24.14	24.07			
5	QPSK	12	0	23.16	23.16	23.07	24	1	
5	QPSK	12	7	23.21	23.12	23.17			
5	QPSK	12	13	23.19	23.13	23.09			
5	QPSK	25	0	23.16	23.18	23.23	24	1	
5	16QAM	1	0	23.41	23.48	23.17			
5	16QAM	1	24	23.17	23.34	23.27			
5	16QAM	1	24	23.17	23.18	23.48	23	2	
5	16QAM	12	0	22.14	21.95	22.13			
5	16QAM	12	7	22.16	22.20	22.18			
5	16QAM	12	13	22.29	22.28	22.28	22	3	
5	16QAM	25	0	22.23	22.06	22.11			
5	16QAM	25	0	22.28	22.53	22.12			
5	16QAM	25	12	22.54	22.77	22.87	22	3	
5	64QAM	1	24	22.36	22.50	22.20			
5	64QAM	12	0	21.12	21.16	21.02			
5	64QAM	12	7	21.32	21.19	21.02	22	3	
5	64QAM	12	13	21.14	21.10	21.01			
5	64QAM	25	0	21.15	21.03	20.95			

Band 26_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				26765	26665	26665						
Frequency (MHz)				821.5	831.5	841.5						
15	QPSK	1	0	21.98	22.11	22.08	23	0	0			
15	QPSK	1	74	21.77	21.84	21.83						
15	QPSK	1	74	21.94	21.72	21.94						
15	QPSK	36	0	21.96	22.01	21.93	23	0	0			
15	QPSK	36	20	21.96	21.78	21.91						
15	QPSK	36	39	21.90	21.80	21.92						
15	QPSK	75	0	21.90	21.98	21.86	23	0	0			
15	16QAM	1	0	21.94	21.81	21.87						
15	16QAM	1	37	21.89	21.87	21.90						
15	16QAM	1	74	21.92	21.87	21.89	23	0	0			
15	16QAM	36	0	21.90	21.83	21.93						
15	16QAM	36	20	22.02	21.88	21.83						
15	16QAM	36	39	21.96	21.83	21.97	23	0	0			
15	16QAM	75	0	21.87	21.87	21.90						
15	64QAM	1	0	21.90	21.88	21.95						
15	64QAM	1	37	21.92	21.87	21.88	23	0	0			
15	64QAM	1	74	21.97	21.85	22.01						
15	64QAM	36	0	20.89	20.94	20.88						
15	64QAM	36	20	21.01	20.82	20.88	22	1	0			
15	64QAM	36	39	21.07	20.97	20.95						
15	64QAM	75	0	21.05	20.81	20.85						
Channel												
Frequency (MHz)				26740	26665	26690 <th></th> <th></th> <th></th>						
Frequency (MHz)				813	831.5	844						
10	QPSK	1	0	22.04	22.00	21.99	23	0	0			
10	QPSK	1	49	22.01	21.82	21.91						
10	QPSK	25	0	21.91	21.77	21.86						
10	QPSK	25	12	21.90	21.74	21.80	23	0	0			
10	QPSK	25	25	21.90	21.88	21.94						
10	QPSK	50	0	21.96	21.84	21.88						
10	16QAM	1	0	21.88	21.75	21.80	23	0	0			
10	16QAM	1	25	21.89	21.80	21.87						
10	16QAM	1	49	21.92	21.83	21.97						
10	16QAM	25	0	21.96	21.84	21.90	23	0	0			
10	16QAM	25	12	22.03	21.83	21.79						
10	16QAM	25	25	21.92	21.89	21.97						
10	16QAM	50	0	21.85	21.84	21.95	23	0	0			
10	64QAM	1	0	21.89	21.89	21.88						
10	64QAM	1	25	21.84	21.83	21.88						
10	64QAM	1	49	21.86	21.79	21.95	22	1	0			
10	64QAM	25	0	20.87	20.86	20.85						
10	64QAM	25	12	20.86	20.72	20.78						
10	64QAM	25	25	20.93	20.91	20.87	22	1	0			
10	64QAM	50	0	20.89	20.95	20.80						
Channel												
Frequency (MHz)				26715	26665	27015 <th></th> <th></th> <th></th>						
Frequency (MHz)				805	813.5	821.5						
5	QPSK	1	0	22.10	21.91	22.01	23	0	0			
5	QPSK	1	12	22.02	21.74	21.83						
5	QPSK	1	24	21.83	21.76	21.83						
5	QPSK	12	0	21.84	21.77	21.97	23	0	0			
5	QPSK	12	7	21.94	21.77	21.97						
5	QPSK	12	13	21.92	21.91	21.83						
5	16QAM	1	0	21.84	21.86	21.86	23	0	0			
5	16QAM	1	12	21.86	21.87	21.86						
5	16QAM	1	24	21.89	21.92	21.92						
5	16QAM	1	24	21.86	21.86	21.86	23	0	0			
5	16QAM	12	7	22.02	21.84	21.89						
5	16QAM	12	13	21.97	21.82	22.05						
5	16QAM	25	0	21.84	21.89	21.87	23	0	0			
5	16QAM	25	0	21.87	21.83	21.93						
5	64QAM	1	12	21.88	21.86	21.84						
5	64QAM	1	24	21.87	21.89	21.97	23	0	0			
5	64QAM	1	24	21.86	21.86	21.86						
5	64QAM	12	7	20.92	20.74	20.72						
5	64QAM	12	13	21.05	20.94	20.90	22	1	0			
5	64QAM	25	0	20.95	20.73	20.75						
5	64QAM	25	0	20.95	20.73	20.75						
Channel												
Frequency (MHz)				815.5 <th>831.5</th> <th>847.5<th></th><th></th><th></th></th>	831.5	847.5 <th></th> <th></th> <th></th>						
3	QPSK	1	0	22.09	21.93	22.09	23	0	0			
3	QPSK	1	8	21.95	21.79	21.91						
3	QPSK	1	14	21.95	21.76	21.87						
3	QPSK	8	0	21.90	21.76	21.87	23	0	0			
3	QPSK	8	4	22.04	21.84	21.92						
3	QPSK	8	7	21.83	21.88	21.86						
3	16QAM	1	0	21.84	21.80	21.99	23	0	0			
3	16QAM	1	8	21.87	21.84	21.88						
3	16QAM	1	14	21.94	21.86	21.94						
3	16QAM	8	0	21.86	21.85	21.85	23	0	0			
3	16QAM	8	4	21.96	21.90	21.80						
3	16QAM	8	7	21.96	21.77	21.98						
3	64QAM	1	0	21.86	21.90	21.93	23	0	0			
3	64QAM	1	0	21.99	21.86	21.97						
3	64QAM	1	8	21.96	21.90	21.92						
3	64QAM	1	14	21.96	21.89	21.91	22	1	0			
3	64QAM	1	14	20.73	20.84	20.80						
3	64QAM	8	4	20.93	20.88	20.79						
3	64QAM	8	7	20.97	20.81	20.81	22	1	0			
3	64QAM	8	7	20.97	20.81	20.81						
3	64QAM	15	0	21.03	20.76	20.71						
Channel												
Frequency (MHz)				26697 <th>26665</th> <th>27033<th></th><th></th><th></th></th>	26665	27033 <th></th> <th></th> <th></th>						
Frequency (MHz)				814.7	831.5	848.3 <th></th> <th></th> <th></th>						
1.4	QPSK	1	0	22.04	21.91	22.04	23	0	0			
1.4	QPSK	1	3	21.92	21.82	21.92						
1.4	QPSK	1	5	21.97	21.74	21.99						
1.4	QPSK	3	0	21.93	21.74	21.93	23	0	0			
1.4	QPSK	3	1	22.04	21.88	21.90						
1.4	QPSK	3	3	21.93	21.90	21.87						
1.4	16QAM	1	0	21.98	21.79	21.86	23	0	0			
1.4	16QAM	1	0	21.91	21.80	21.99						
1.4	16QAM	1	3	21.90	21.83	21.93						
1.4	16QAM	3	0	21.86	21.93	21.93	23	0	0			
1.4	16QAM	3	0	21.80	21.83	21.88						
1.4	16QAM	3	1	22.03	21.83	21.80						
1.4	16QAM	6	0	21.93	21.87	21.89	23	0	0			
1.4	16QAM	6	0	21.92	21.90	21.88						
1.4	16QAM	6	1	21.91	21.86	21.83						
1.4	64QAM	1	0	21.91	21.86	21.83	23	0	0			
1.4	64QAM	1	0	21.91	21.86	21.83						
1.4	64QAM	1	5	21.91	21.85	21.91						
1.4	64QAM	3	1	21.84	21.92	21.97	22	1	0			
1.4	64QAM	3	1	21.86	21.86	21.96						
1.4	64QAM	6	0	20.93	20.76	20.80						

Band 26_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26760	26815	26865			
15	QPSK	1	0	23.76	23.91	23.91			
15	QPSK	1	24	23.76	23.91	23.91		25	0
15	QPSK	1	74	23.76	23.91	23.91		24	1
15	QPSK	36	0	22.50	22.81	22.81			
15	QPSK	36	20	22.87	22.76	22.76		24	1
15	QPSK	36	70	22.87	22.76	22.76		23	2
15	QPSK	75	0	22.83	22.90	22.90			
15	16QAM	1	0	22.79	23.24	23.36			
15	16QAM	1	24	22.81	23.06	23.06			
15	16QAM	1	74	22.81	23.06	23.06			
15	16QAM	36	0	21.68	21.86	21.86			
15	16QAM	36	20	22.00	21.82	21.79		23	2
15	16QAM	36	70	21.69	21.89	21.90		23	2
15	16QAM	75	0	21.90	21.79	21.87			
15	64QAM	1	0	21.83	21.84	21.81			
15	64QAM	1	24	21.90	22.04	22.15			
15	64QAM	1	74	21.90	22.04	22.15		23	3
15	64QAM	36	0	20.93	20.86	20.88			
15	64QAM	36	20	20.91	20.85	21.00		22	3
15	64QAM	36	70	20.92	20.84	20.90			
15	64QAM	75	0	20.82	20.75	20.87			
Channel				26740	26805	26870	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815	831.5	848			
15	QPSK	1	0	23.61	23.75	23.76			
15	QPSK	1	24	23.61	23.75	23.76		25	0
15	QPSK	1	48	23.71	23.63	23.65			
15	QPSK	25	0	22.74	22.76	22.69			
15	QPSK	25	12	22.68	22.68	22.67		24	1
15	QPSK	25	25	22.87	22.80	22.71			
15	QPSK	60	0	22.71	22.86	22.75			
15	16QAM	1	0	22.71	23.20	23.23			
15	16QAM	1	24	22.71	23.20	23.23			
15	16QAM	1	48	22.83	23.37	23.47		24	1
15	16QAM	25	0	21.73	21.77	21.74			
15	16QAM	25	12	21.67	21.67	21.67		23	2
15	16QAM	25	25	21.74	21.81	21.71			
15	16QAM	60	0	21.88	21.74	21.85			
15	64QAM	1	0	21.80	21.71	21.62			
15	64QAM	1	24	21.84	21.96	21.98		23	2
15	64QAM	1	48	22.01	21.75	21.86			
15	64QAM	25	0	20.86	20.87	20.85			
15	64QAM	25	12	20.86	20.77	20.80		22	3
15	64QAM	25	25	20.79	20.69	20.79			
15	64QAM	60	0	20.66	20.72	20.83			
Channel				26715	26805	27015	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				0	26.4	27.5			
5	QPSK	1	0	23.66	23.57	23.64		25	0
5	QPSK	1	24	23.71	23.60	23.60			
5	QPSK	12	0	22.78	22.72	22.69			
5	QPSK	12	7	22.68	22.67	22.67		24	1
5	QPSK	25	0	22.76	22.85	22.70			
5	16QAM	1	0	23.13	23.19	23.14			
5	16QAM	1	12	23.10	23.19	23.02		24	1
5	16QAM	1	24	22.84	23.40	23.23			
5	16QAM	12	0	21.73	21.77	21.73			
5	16QAM	12	7	21.96	21.69	21.66		23	2
5	16QAM	12	13	21.70	21.81	21.70			
5	16QAM	25	0	21.75	21.76	21.80			
5	16QAM	25	1	21.82	21.74	21.74		23	2
5	64QAM	1	12	21.89	21.69	21.69			
5	64QAM	1	24	21.89	21.83	21.96			
5	64QAM	12	0	20.75	20.76	20.86		22	3
5	64QAM	12	7	20.75	20.70	20.78			
5	64QAM	12	13	20.69	20.72	20.80			
5	64QAM	25	0	20.71	20.65	20.77			
Frequency (MHz)				815.5	831.5	847.5	Time-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.74	23.80	23.77		25	0
3	QPSK	1	8	23.62	23.68	23.74			
3	QPSK	1	14	23.60	23.56	23.68			
3	QPSK	8	0	22.72	22.72	22.72			
3	QPSK	8	4	22.72	22.70	22.70			
3	QPSK	8	7	22.73	22.80	22.70			
3	QPSK	8	15	22.72	22.84	22.80		24	1
3	16QAM	1	0	22.76	23.24	23.29			
3	16QAM	1	8	21.75	22.30	22.31			
3	16QAM	1	14	22.76	22.39	22.92			
3	16QAM	8	0	21.74	21.82	21.85			
3	16QAM	8	4	21.65	21.75	21.73			
3	16QAM	8	7	21.75	21.86	21.73		23	2
3	16QAM	8	15	21.74	21.82	21.82			
3	64QAM	1	0	21.79	21.77	22.03			
3	64QAM	1	8	21.75	21.96	21.71		23	2
3	64QAM	1	14	22.00	21.65	21.80			
3	64QAM	8	0	20.86	20.89	20.98			
3	64QAM	8	4	20.86	20.78	20.86		22	3
3	64QAM	8	7	20.75	20.83	20.85			
3	64QAM	8	15	20.76	20.65	20.77			
Channel				26697	26805	27033	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
14	QPSK	1	0	23.42	23.43	23.42		25	0
14	QPSK	1	3	23.30	23.44	23.26			
14	QPSK	1	6	23.35	23.40	23.29			
14	QPSK	3	0	23.48	23.54	23.34			
14	QPSK	3	1	23.38	23.39	23.32			
14	QPSK	3	4	23.32	23.33	23.17			
14	QPSK	6	0	22.53	22.50	22.48			
14	16QAM	1	0	22.59	22.52	22.59			
14	16QAM	1	3	22.65	22.49	22.47			
14	16QAM	1	6	22.47	22.42	22.49			
14	16QAM	3	0	22.76	22.74	22.56			
14	16QAM	3	1	22.69	22.64	22.66			
14	16QAM	3	4	22.71	22.67	22.57			
14	16QAM	6	0	21.38	21.33	21.38		23	2
14	64QAM	1	0	21.57	21.42	21.37			
14	64QAM	1	3	21.45	21.38	21.37			
14	64QAM	1	6	21.37	21.42	21.42		23	2
14	64QAM	3	0	21.67	21.56	21.49			
14	64QAM	3	1	21.60	21.55	21.51			
14	64QAM	3	4	21.61	21.65	21.65			
14	64QAM	6	0	20.45	20.36	20.36		22	3

Band 66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				152072	152122	152172			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.61	20.63	20.60	21.5	0	
20	QPSK	1	49	20.43	20.48	20.52			
20	QPSK	1	99	20.41	20.41	20.40			
20	QPSK	50	0	20.58	20.59	20.44			
20	QPSK	50	24	20.36	20.40	20.42			
20	QPSK	50	50	20.39	20.48	20.52			
20	QPSK	100	0	20.42	20.56	20.27	21.5	0	
20	16QAM	1	0	20.35	20.38	20.33			
20	16QAM	1	49	20.33	20.43	20.30			
20	16QAM	1	99	20.33	20.42	20.40			
20	16QAM	50	0	20.39	20.37	20.39			
20	16QAM	50	24	20.45	20.41	20.39			
20	16QAM	50	50	20.39	20.38	20.24	21.5	0	
20	16QAM	100	0	20.30	20.41	20.25			
20	64QAM	1	0	20.35	20.36	20.39			
20	64QAM	1	49	20.30	20.41	20.39			
20	64QAM	1	99	20.02	20.39	20.44			
20	64QAM	50	0	20.46	20.43	20.46			
20	64QAM	50	24	20.47	20.44	20.42	21.5	0	
20	64QAM	50	50	20.46	20.47	20.38			
20	64QAM	100	0	20.41	20.41	20.35			
Channel				152047	152122	152167			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.42	20.39	20.3	21.5	0	
15	QPSK	1	37	20.32	20.42	20.31			
15	QPSK	1	74	20.44	20.47	20.32			
15	QPSK	36	0	20.48	20.48	20.32			
15	QPSK	36	20	20.30	20.42	20.32			
15	QPSK	36	39	20.34	20.38	20.25			
15	QPSK	75	0	20.38	20.48	20.18	21.5	0	
15	16QAM	1	0	20.39	20.47	20.37			
15	16QAM	1	37	20.40	20.44	20.28			
15	16QAM	1	74	20.44	20.48	20.39			
15	16QAM	36	0	20.35	20.35	20.27			
15	16QAM	36	20	20.33	20.44	20.33			
15	16QAM	36	39	20.28	20.25	20.17	21.5	0	
15	16QAM	75	0	20.47	20.26	20.22			
15	64QAM	1	0	20.33	20.45	20.36			
15	64QAM	1	37	20.24	20.48	20.37			
15	64QAM	1	74	19.91	20.46	20.41			
15	64QAM	36	0	20.43	20.37	20.42			
15	64QAM	36	20	20.44	20.34	20.38	21.5	0	
15	64QAM	36	39	20.36	20.43	20.28			
15	64QAM	75	0	20.37	20.28	20.25			
Channel				151992	152122	152167			
Frequency (MHz)				1715 <th>1745</th> <th>1775</th> <th></th> <th></th> <th></th>	1745	1775			
10	QPSK	1	0	20.33	20.43	20.34	21.5	0	
10	QPSK	1	25	20.43	20.38	20.40			
10	QPSK	1	49	20.40	20.48	20.31			
10	QPSK	25	0	20.36	20.45	20.36			
10	QPSK	25	12	20.34	20.44	20.39			
10	QPSK	25	25	20.25	20.32	20.23			
10	QPSK	50	0	20.40	20.42	20.16	21.5	0	
10	16QAM	1	0	20.42	20.42	20.39			
10	16QAM	1	25	20.49	20.47	20.37			
10	16QAM	1	49	20.43	20.38	20.31			
10	16QAM	25	0	20.39	20.25	20.29			
10	16QAM	25	12	20.40	20.40	20.30			
10	16QAM	25	25	20.32	20.31	20.14	21.5	0	
10	16QAM	50	0	20.43	20.35	20.13			
10	64QAM	1	0	20.31	20.42	20.32			
10	64QAM	1	25	20.22	20.43	20.39			
10	64QAM	1	49	19.95	20.34	20.41			
10	64QAM	25	0	20.40	20.37	20.43			
10	64QAM	25	12	20.45	20.40	20.37	21.5	0	
10	64QAM	25	25	20.34	20.33	20.24			
10	64QAM	50	0	20.34	20.30	20.24			
Channel				151987	152122	152167			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.36	20.41	20.34	21.5	0	
5	QPSK	1	12	20.34	20.43	20.32			
5	QPSK	1	24	20.43	20.41	20.27			
5	QPSK	12	0	20.40	20.40	20.37			
5	QPSK	12	7	20.31	20.36	20.40			
5	QPSK	12	13	20.36	20.32	20.16			
5	QPSK	25	0	20.35	20.45	20.16	21.5	0	
5	16QAM	1	0	20.35	20.46	20.31			
5	16QAM	1	12	20.39	20.39	20.29			
5	16QAM	1	24	20.42	20.40	20.37			
5	16QAM	12	0	20.37	20.32	20.25			
5	16QAM	12	7	20.35	20.36	20.24			
5	16QAM	12	13	20.25	20.32	20.23	21.5	0	
5	16QAM	25	0	20.42	20.45	20.15			
5	64QAM	1	0	20.39	20.40	20.46			
5	64QAM	1	12	20.25	20.40	20.33			
5	64QAM	1	24	19.99	20.36	20.44			
5	64QAM	12	0	20.44	20.37	20.37			
5	64QAM	12	7	20.42	20.28	20.40	21.5	0	
5	64QAM	12	13	20.40	20.36	20.29			
5	64QAM	25	0	20.40	20.30	20.28			
Channel				151987	152122	152167			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	20.43	20.47	20.40	21.5	0	
3	QPSK	1	8	20.42	20.49	20.40			
3	QPSK	1	14	20.36	20.43	20.30			
3	QPSK	8	0	20.47	20.49	20.41			
3	QPSK	8	4	20.21	20.46	20.26			
3	QPSK	8	7	20.29	20.39	20.30			
3	QPSK	15	0	20.35	20.48	20.32	21.5	0	
3	16QAM	1	0	20.31	20.48	20.29			
3	16QAM	1	8	20.44	20.49	20.34			
3	16QAM	1	14	20.43	20.45	20.32			
3	16QAM	8	0	20.32	20.29	20.31			
3	16QAM	8	4	20.38	20.41	20.25			
3	16QAM	8	7	20.24	20.25	20.12	21.5	0	
3	16QAM	15	0	20.45	20.27	20.12			
3	64QAM	1	0	20.33	20.47	20.48			
3	64QAM	1	8	20.20	20.40	20.36			
3	64QAM	1	14	19.91	20.35	20.49			
3	64QAM	8	0	20.43	20.39	20.37			
3	64QAM	8	4	20.33	20.34	20.35	21.5	0	
3	64QAM	8	7	20.34	20.37	20.37			
3	64QAM	15	0	20.35	20.25	20.22			
Channel				151979	152122	152165			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.38	20.38	20.39	21.5	0	
1.4	QPSK	1	3	20.37	20.39	20.30			
1.4	QPSK	1	5	20.31	20.41	20.37			
1.4	QPSK	3	0	20.41	20.49	20.27			
1.4	QPSK	3	1	20.36	20.44	20.36			
1.4	QPSK	3	3	20.35	20.38	20.39			
1.4	QPSK	6	0	20.24	20.22	20.25	21.5	0	
1.4	16QAM	1	0	20.26	20.28	20.26			
1.4	16QAM	1	3	20.17	20.22	20.17			
1.4	16QAM	1	5	20.21	20.14	20.13			
1.4	16QAM	3	0	20.31	20.43	20.36			
1.4	16QAM	3	1	20.44	20.39	20.36			
1.4	16QAM	3	3	20.39	20.38	20.31	21.5	0	
1.4	16QAM	6	0	20.19	20.32	20.33			
1.4	64QAM	1	0	20.29	20.33	20.18			
1.4	64QAM	1	3	20.11	20.23	20.21			
1.4	64QAM	1	5	20.24	20.22	20.20			
1.4	64QAM	3	0	20.28	20.48	20.48			
1.4	64QAM	3	1	20.34	20.24	20.26	21.5	0	
1.4	64QAM	3	3	20.18	20.27	20.27			
1.4	64QAM	6	0	20.18	20.27	20.27			

Band 38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Time-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	16.21	16.22	16.20			
20	QPSK	1	49	16.20	16.20	16.14	17.5	0	
20	QPSK	1	99	16.16	16.09	16.15			
20	QPSK	50	0	16.18	16.20	16.19			
20	QPSK	50	24	16.14	16.11	16.12	17.5	0	
20	QPSK	50	50	16.13	16.14	16.15			
20	QPSK	100	0	16.14	16.15	16.15			
20	16QAM	1	0	16.04	16.02	16.05			
20	16QAM	1	49	16.00	16.04	16.09	17.5	0	
20	16QAM	1	99	16.09	16.07	16.08			
20	16QAM	50	0	16.01	16.06	16.08			
20	16QAM	50	24	16.06	16.02	16.02	17.5	0	
20	16QAM	50	50	16.02	16.01	16.02			
20	16QAM	100	0	16.05	16.08	16.02			
20	64QAM	1	0	16.00	16.05	16.00			
20	64QAM	1	49	16.00	16.03	16.06	17.5	0	
20	64QAM	1	99	16.07	16.08	16.01			
20	64QAM	50	0	16.02	16.05	16.05			
20	64QAM	50	24	16.02	16.02	16.00	17.5	0	
20	64QAM	50	50	16.00	16.02	16.02			
20	64QAM	100	0	16.01	16.01	16.00			
Channel				37600	38000	38200	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2612.5			
15	QPSK	1	0	16.08	16.08	16.09			
15	QPSK	1	37	16.07	16.01	16.04	17.5	0	
15	QPSK	1	74	16.08	16.00	16.05			
15	QPSK	36	0	16.08	16.00	16.05			
15	QPSK	36	20	16.03	16.09	16.06	17.5	0	
15	QPSK	36	39	16.01	16.03	16.01			
15	QPSK	75	0	16.02	16.02	16.07			
15	16QAM	1	0	16.08	16.09	16.07			
15	16QAM	1	37	16.06	16.09	16.02	17.5	0	
15	16QAM	1	74	16.04	16.03	16.03			
15	16QAM	36	0	16.02	16.01	16.02			
15	16QAM	36	20	16.07	16.07	16.08	17.5	0	
15	16QAM	36	39	16.05	16.06	16.09			
15	16QAM	75	0	16.09	16.00	16.09			
15	64QAM	1	0	16.02	16.08	16.01			
15	64QAM	1	37	16.09	16.03	16.02	17.5	0	
15	64QAM	1	74	16.09	16.06	16.05			
15	64QAM	36	0	16.04	16.03	16.00			
15	64QAM	36	20	16.00	16.07	16.09	17.5	0	
15	64QAM	36	39	16.02	16.00	16.05			
15	64QAM	75	0	16.01	16.02	16.01			
Channel				37600	38000	38200	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	16.05	16.05	16.07			
10	QPSK	1	25	16.07	16.07	16.05	17.5	0	
10	QPSK	1	49	16.01	16.07	16.03			
10	QPSK	25	0	16.09	16.08	16.07			
10	QPSK	25	12	16.09	16.05	16.04	17.5	0	
10	QPSK	25	25	16.01	16.00	16.00			
10	QPSK	50	0	16.05	16.02	16.03			
10	16QAM	1	0	16.06	16.09	16.09			
10	16QAM	1	25	16.02	16.05	16.02	17.5	0	
10	16QAM	1	49	16.05	16.00	16.01			
10	16QAM	25	0	16.02	16.04	16.00			
10	16QAM	25	12	16.00	16.01	16.09	17.5	0	
10	16QAM	25	25	16.04	16.04	16.01			
10	16QAM	50	0	16.00	16.00	16.07			
10	64QAM	1	0	16.07	16.02	16.04			
10	64QAM	1	25	16.02	16.06	16.06	17.5	0	
10	64QAM	1	49	16.00	16.09	16.02			
10	64QAM	25	0	16.06	16.07	16.01			
10	64QAM	25	12	16.00	16.04	16.09	17.5	0	
10	64QAM	25	25	16.00	16.02	16.03			
10	64QAM	50	0	16.03	16.03	16.02			
Channel				37775	38000	38225	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	16.09	16.06	16.08			
5	QPSK	1	12	16.09	16.00	16.01	17.5	0	
5	QPSK	1	24	16.08	16.04	16.03			
5	QPSK	12	0	16.00	16.09	16.00			
5	QPSK	12	7	16.04	16.00	16.00	17.5	0	
5	QPSK	12	13	16.09	16.08	16.00			
5	QPSK	25	0	16.00	16.01	16.01			
5	16QAM	1	0	16.03	16.03	16.09			
5	16QAM	1	12	16.09	16.04	16.03	17.5	0	
5	16QAM	1	24	16.06	16.06	16.00			
5	16QAM	12	0	16.04	16.02	16.00			
5	16QAM	12	7	16.02	16.02	16.00	17.5	0	
5	16QAM	12	13	16.06	16.09	16.09			
5	16QAM	25	0	16.01	16.04	16.08			
5	64QAM	1	0	16.07	16.01	16.00			
5	64QAM	1	12	16.07	16.02	16.04	17.5	0	
5	64QAM	1	24	16.08	16.02	16.02			
5	64QAM	12	0	16.00	16.03	16.01			
5	64QAM	12	7	16.06	16.00	16.03	17.5	0	
5	64QAM	12	13	16.04	16.05	16.01			
5	64QAM	25	0	16.08	16.09	16.04			

Band 38_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Time-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.48	23.65	23.58			
20	QPSK	1	49	23.43	23.46	23.57	24.5	0	
20	QPSK	1	99	23.44	23.56	23.52			
20	QPSK	50	0	22.70	22.79	22.73			
20	QPSK	50	24	22.66	22.62	22.62	23.5	1	
20	QPSK	50	50	22.54	22.62	22.58			
20	QPSK	100	0	22.71	22.77	22.52			
20	16QAM	1	0	22.71	22.42	22.43			
20	16QAM	1	49	22.85	22.81	22.70	23.5	1	
20	16QAM	1	99	22.54	23.03	22.84			
20	16QAM	50	0	21.57	21.46	21.43			
20	16QAM	50	24	21.80	21.61	21.73	22.5	2	
20	16QAM	50	50	21.72	21.74	21.73			
20	16QAM	100	0	21.65	21.62	21.62			
20	64QAM	1	0	21.82	22.01	21.13			
20	64QAM	1	49	21.52	21.87	21.65	22.5	2	
20	64QAM	1	99	21.60	21.72	21.52			
20	64QAM	50	0	20.57	20.52	20.55			
20	64QAM	50	24	20.67	20.58	20.69	21.5	3	
20	64QAM	50	50	20.76	20.84	20.71			
20	64QAM	100	0	20.76	20.60	20.49			
Channel				37650	38000	38150	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
15	QPSK	1	0	23.37	23.50	23.56			
15	QPSK	1	37	23.30	23.31	23.56	24.5	0	
15	QPSK	1	74	23.30	23.47	23.43			
15	QPSK	36	0	22.54	22.66	22.63			
15	QPSK	36	20	22.52	22.51	22.61	23.5	1	
15	QPSK	36	39	22.49	22.54	22.52			
15	QPSK	75	0	22.60	22.63	22.46			
15	16QAM	1	0	22.57	22.30	22.31			
15	16QAM	1	37	22.83	22.71	22.63	23.5	1	
15	16QAM	1	74	22.47	22.87	22.83			
15	16QAM	36	0	21.47	21.45	21.35			
15	16QAM	36	20	21.74	21.54	21.85	22.5	2	
15	16QAM	36	39	21.63	21.73	21.65			
15	16QAM	75	0	21.58	21.58	21.61			
15	64QAM	1	0	21.67	21.93	21.09			
15	64QAM	1	37	21.38	21.75	21.59	22.5	2	
15	64QAM	1	74	21.59	21.87	21.62			
15	64QAM	36	0	20.46	20.47	20.42			
15	64QAM	36	20	20.59	20.53	20.58	21.5	3	
15	64QAM	36	39	20.71	20.69	20.66			
15	64QAM	75	0	20.65	20.60	20.49			
Channel				37600 <th>38000</th> <th>38200</th> <th>Time-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	38000	38200	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.46	23.63	23.53			
10	QPSK	1	25	23.28	23.34	23.52	24.5	0	
10	QPSK	1	49	23.28	23.49	23.50			
10	QPSK	25	0	22.66	22.73	22.64	23.5	1	
10	QPSK	25	12	22.62	22.55	22.58			
10	QPSK	25	25	22.53	22.64	22.50			
10	QPSK	50	0	22.70	22.84	22.42			
10	16QAM	1	0	22.68	22.33	22.38			
10	16QAM	1	25	22.72	22.72	22.80	23.5	1	
10	16QAM	1	49	22.68	23.01	22.74			
10	16QAM	25	0	21.42	21.32	21.28			
10	16QAM	25	12	21.71	21.50	21.64	22.5	2	
10	16QAM	25	25	21.64	21.68	21.62			
10	16QAM	50	0	21.44	21.44	21.52			
10	64QAM	1	0	21.68	21.86	21.08			
10	64QAM	1	25	21.37	21.78	21.51	22.5	2	
10	64QAM	1	49	21.59	21.86	21.44			
10	64QAM	25	0	20.48	20.50	20.54			
10	64QAM	25	12	20.52	20.51	20.62	21.5	3	
10	64QAM	25	25	20.61	20.58	20.63			
10	64QAM	50	0	20.71	20.52	20.39			
Channel				37775	38000	38225	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.33	23.55	23.48			
5	QPSK	1	12	23.30	23.37	23.41	24.5	0	
5	QPSK	1	25	23.31	23.52	23.42			
5	QPSK	12	0	22.62	22.72	22.69			
5	QPSK	12	7	22.63	22.46	22.58	23.5	1	
5	QPSK	12	13	22.40	22.49	22.48			
5	QPSK	25	0	22.67	22.81	22.42			
5	16QAM	1	0	22.57	22.26	22.22			
5	16QAM	1	12	22.48	22.48	22.57	23.5	1	
5	16QAM	1	24	22.45	22.87	22.74			
5	16QAM	12	0	21.56	21.41	21.35			
5	16QAM	12	7	21.77	21.55	21.61	22.5	2	
5	16QAM	12	13	21.65	21.63	21.59			
5	16QAM	25	0	21.50	21.40	21.48			
5	64QAM	1	0	21.67	21.97	21.03			
5	64QAM	1	12	21.42	21.83	21.53	22.5	2	
5	64QAM	1	24	21.57	21.65	21.51			
5	64QAM	12	0	20.52	20.48	20.51			
5	64QAM	12	7	20.57	20.52	20.53	21.5	3	
5	64QAM	12	13	20.77	20.82	20.76			
5	64QAM	25	0	20.75	20.58	20.34			



Band 41_Ant 13											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
				39750	40185	40620	41055	41490			
20	QPSK	1	0	16.27	16.24	16.23	16.16	16.19	17.5	0	
20	QPSK	1	49	16.26	16.15	16.26	16.11	16.12			
20	QPSK	1	99	16.25	16.20	16.25	16.15	16.12			
20	QPSK	50	0	16.17	16.15	16.23	16.09	16.12			
20	QPSK	50	24	16.09	16.13	16.17	16.06	16.02	17.5	0	
20	QPSK	50	50	16.10	16.08	16.16	16.01	16.06			
20	QPSK	100	0	16.08	16.10	16.20	16.00	16.08			
20	16QAM	1	0	16.12	16.05	16.13	16.08	16.04			
20	16QAM	1	49	16.10	16.10	16.20	16.06	16.06	17.5	0	
20	16QAM	1	99	16.16	16.09	16.17	16.00	16.11			
20	16QAM	50	0	16.09	16.10	16.16	16.04	16.09			
20	16QAM	50	24	16.08	16.10	16.20	16.01	16.02			
20	16QAM	50	50	16.13	16.09	16.19	16.05	16.05	17.5	0	
20	16QAM	100	0	16.15	16.13	16.13	16.00	16.08			
20	64QAM	1	0	16.12	16.08	16.13	16.03	16.05			
20	64QAM	1	49	16.07	16.14	16.14	16.06	16.10			
20	64QAM	1	99	16.08	16.12	16.22	16.03	16.05	17.5	0	
20	64QAM	50	0	16.12	16.07	16.20	16.07	16.11			
20	64QAM	50	24	16.11	16.13	16.22	16.05	16.02			
20	64QAM	50	50	16.13	16.07	16.17	16.05	16.02			
20	64QAM	100	0	16.12	16.07	16.22	16.08	16.02			
Channel											
Frequency (MHz)											
				39725	40173	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.21	16.25	16.19	16.21	16.21	17.5	0	
15	QPSK	1	37	16.21	16.19	16.20	16.10	16.17			
15	QPSK	1	74	16.20	16.19	16.16	16.23	16.16			
15	QPSK	36	0	16.16	16.21	16.14	16.21	16.18			
15	QPSK	36	20	16.12	16.11	16.12	16.13	16.08	17.5	0	
15	QPSK	36	39	16.14	16.10	16.06	16.12	16.14			
15	QPSK	75	0	16.19	16.11	16.13	16.17	16.18			
15	16QAM	1	0	16.12	16.09	16.04	16.07	16.12			
15	16QAM	1	37	16.16	16.10	16.13	16.12	16.15	17.5	0	
15	16QAM	1	74	16.11	16.08	16.10	16.07	16.12			
15	16QAM	36	0	16.13	16.15	16.15	16.15	16.07			
15	16QAM	36	20	16.16	16.19	16.15	16.18	16.12			
15	16QAM	36	39	16.10	16.10	16.10	16.13	16.17	17.5	0	
15	16QAM	75	0	16.08	16.11	16.08	16.10	16.10			
15	64QAM	1	0	16.03	16.05	16.03	16.05	16.09			
15	64QAM	1	37	16.12	16.09	16.04	16.13	16.10			
15	64QAM	1	74	16.18	16.12	16.19	16.14	16.15	17.5	0	
15	64QAM	36	0	16.17	16.17	16.10	16.11	16.16			
15	64QAM	36	20	16.20	16.12	16.12	16.21	16.14			
15	64QAM	36	39	16.10	16.13	16.13	16.13	16.16			
15	64QAM	75	0	16.14	16.13	16.16	16.15	16.13	17.5	0	
Channel											
Frequency (MHz)											
				39700	40160	40620	41080	41490			Tune-up limit (dBm)
10	QPSK	1	0	16.24	16.25	16.23	16.25	16.25	17.5	0	
10	QPSK	1	25	16.23	16.22	16.20	16.22	16.21			
10	QPSK	1	49	16.19	16.16	16.23	16.18	16.15			
10	QPSK	25	0	16.20	16.19	16.15	16.21	16.18			
10	QPSK	25	12	16.07	16.15	16.15	16.09	16.08	17.5	0	
10	QPSK	25	25	16.09	16.13	16.06	16.12	16.15			
10	QPSK	50	0	16.11	16.10	16.15	16.13	16.11			
10	16QAM	1	0	16.11	16.09	16.07	16.04	16.10			
10	16QAM	1	25	16.11	16.13	16.15	16.12	16.11	17.5	0	
10	16QAM	1	49	16.07	16.07	16.11	16.07	16.13			
10	16QAM	25	0	16.08	16.09	16.09	16.14	16.11			
10	16QAM	25	12	16.15	16.12	16.19	16.16	16.13			
10	16QAM	25	25	16.17	16.12	16.12	16.14	16.18	17.5	0	
10	16QAM	50	0	16.09	16.07	16.12	16.12	16.16			
10	64QAM	1	0	16.10	16.08	16.09	16.08	16.10			
10	64QAM	1	25	16.05	16.11	16.11	16.06	16.06			
10	64QAM	1	49	16.19	16.21	16.19	16.19	16.19	17.5	0	
10	64QAM	25	0	16.14	16.19	16.17	16.19	16.20			
10	64QAM	25	12	16.19	16.20	16.12	16.12	16.19			
10	64QAM	25	25	16.07	16.16	16.16	16.11	16.14			
10	64QAM	50	0	16.16	16.17	16.17	16.12	16.12			
Channel											
Frequency (MHz)											
				39675	40148	40620	41093	41665	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.27	16.21	16.27	16.27	16.27	17.5	0	
5	QPSK	1	12	16.20	16.16	16.20	16.22	16.19			
5	QPSK	1	24	16.19	16.24	16.18	16.23	16.15			
5	QPSK	12	0	16.17	16.22	16.18	16.15	16.15			
5	QPSK	12	7	16.13	16.10	16.08	16.11	16.12	17.5	0	
5	QPSK	12	13	16.12	16.15	16.06	16.10	16.15			
5	QPSK	25	0	16.10	16.13	16.11	16.15	16.15			
5	16QAM	1	0	16.06	16.06	16.12	16.09	16.11			
5	16QAM	1	12	16.12	16.13	16.11	16.19	16.15	17.5	0	
5	16QAM	1	24	16.12	16.12	16.10	16.16	16.10			
5	16QAM	12	0	16.08	16.11	16.08	16.11	16.13			
5	16QAM	12	7	16.18	16.11	16.10	16.14	16.16			
5	16QAM	12	13	16.13	16.17	16.16	16.16	16.12	17.5	0	
5	16QAM	25	0	16.11	16.03	16.08	16.04	16.10			
5	64QAM	1	0	16.10	16.08	16.07	16.05	16.08			
5	64QAM	1	12	16.11	16.07	16.09	16.06	16.10			
5	64QAM	1	24	16.14	16.18	16.18	16.14	16.12	17.5	0	
5	64QAM	12	0	16.16	16.14	16.19	16.16	16.18			
5	64QAM	12	7	16.20	16.15	16.12	16.19	16.18			
5	64QAM	12	13	16.10	16.14	16.13	16.14	16.10			
5	64QAM	25	0	16.17	16.13	16.21	16.21	16.19	17.5	0	
5	64QAM	25	0	16.17	16.13	16.21	16.21	16.19			

Band 41_Ant 31											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)				39750	40185	40620	41055	41490			
				25913	25913	25913	25913	25913			
20	QPSK	1	0	23.19	23.40	23.55	23.48	23.81	24.5	0	
20	QPSK	1	49	23.19	23.40	23.55	23.38	23.61			
20	QPSK	1	99	23.22	23.32	23.45	23.38	23.56			
20	QPSK	50	0	22.60	22.66	22.70	22.57	22.86			
20	QPSK	50	24	22.55	22.58	22.59	22.54	22.51	23.5	1	
20	QPSK	50	50	22.59	22.62	22.59	22.55	22.56			
20	QPSK	100	0	22.47	22.61	22.69	22.45	22.52			
20	16QAM	1	0	22.06	22.54	22.51	22.26	22.48			
20	16QAM	1	49	22.31	22.63	22.56	22.37	22.23	23.5	1	
20	16QAM	1	99	22.31	22.33	22.60	22.42	22.55			
20	16QAM	50	0	21.41	21.52	21.59	21.55	21.68			
20	16QAM	50	24	21.50	21.62	21.59	21.54	21.58			
20	16QAM	50	50	21.51	21.46	21.69	21.52	21.67	22.5	2	
20	16QAM	100	0	21.51	21.48	21.63	21.31	21.54			
20	64QAM	1	0	21.27	21.57	21.35	21.88	21.35			
20	64QAM	1	49	21.45	21.50	21.43	21.51	21.30			
20	64QAM	1	99	21.09	21.51	21.78	21.34	21.72	22.5	2	
20	64QAM	50	0	20.48	20.53	20.44	20.41	20.54			
20	64QAM	50	24	20.50	20.60	20.58	20.49	20.55			
20	64QAM	50	50	20.41	20.50	20.83	20.63	20.71			
20	64QAM	100	0	20.46	20.56	20.58	20.50	20.61	21.5	3	
Channel											
Frequency (MHz)				39750	40185	40620	41055	41490			
15	QPSK	1	0	23.15	23.37	23.67	23.35	23.82	24.5	0	
15	QPSK	1	37	23.15	23.24	23.48	23.33	23.41			
15	QPSK	1	74	23.07	23.30	23.42	23.27	23.48			
15	QPSK	36	0	22.57	22.63	22.63	22.41	22.53	23.5	1	
15	QPSK	36	20	22.44	22.54	22.58	22.45	22.44			
15	QPSK	36	38	22.57	22.59	22.55	22.39	22.63			
15	QPSK	75	0	22.37	22.51	22.55	22.38	22.39			
15	16QAM	1	0	22.01	22.49	22.46	22.21	22.39	23.5	1	
15	16QAM	1	37	22.18	22.48	22.54	22.31	22.14			
15	16QAM	1	74	22.17	22.21	22.66	22.41	22.42			
15	16QAM	36	0	21.28	21.48	21.52	21.38	21.59			
15	16QAM	36	20	21.44	21.58	21.54	21.42	21.42	22.5	2	
15	16QAM	36	39	21.37	21.40	21.63	21.47	21.65			
15	16QAM	75	0	21.46	21.46	21.48	21.18	21.46			
15	64QAM	1	0	21.16	21.43	21.24	21.81	21.34			
15	64QAM	1	21	21.35	21.42	21.43	21.32	21.38	22.5	2	
15	64QAM	1	74	20.98	21.37	21.72	21.22	21.62			
15	64QAM	36	0	20.37	20.37	20.40	20.34	20.38			
15	64QAM	36	20	20.43	20.47	20.48	20.34	20.49			
15	64QAM	36	20	20.27	20.38	20.40	20.54	20.67	21.5	3	
15	64QAM	75	0	20.34	20.41	20.45	20.57	20.57			
Channel				39750	40180	40620	41050	41485			
Frequency (MHz)				25901	25947	2593	25939	25955			
10	QPSK	1	0	23.18	23.33	23.56	23.45	23.52	24.5	0	
10	QPSK	1	25	23.16	23.25	23.44	23.35	23.36			
10	QPSK	1	49	23.16	23.29	23.41	23.24	23.55			
10	QPSK	25	0	22.46	22.52	22.64	22.46	22.57			
10	QPSK	12	0	22.50	22.48	22.48	22.47	22.47	23.5	1	
10	QPSK	25	25	22.55	22.48	22.50	22.40	22.63			
10	QPSK	50	0	22.33	22.48	22.54	22.39	22.36			
10	16QAM	1	0	21.97	22.45	22.49	22.21	22.39			
10	16QAM	1	25	22.19	22.54	22.52	22.26	22.39	23.5	1	
10	16QAM	1	49	22.16	22.49	22.49	22.38	22.48			
10	16QAM	25	0	21.27	21.40	21.52	21.54	21.57			
10	16QAM	25	12	21.36	21.48	21.45	21.43	21.56			
10	16QAM	25	25	21.46	21.32	21.68	21.46	21.64	22.5	2	
10	16QAM	50	0	21.46	21.39	21.52	21.20	21.50			
10	64QAM	1	0	21.16	21.34	21.34	21.74	21.44			
10	64QAM	1	25	21.38	21.48	21.38	21.38	21.20			
10	64QAM	1	49	20.98	21.48	21.66	21.20	21.69	22.5	2	
10	64QAM	25	0	20.40	20.41	20.29	20.33	20.49			
10	64QAM	25	12	20.41	20.50	20.56	20.34	20.54			
10	64QAM	25	25	20.38	20.40	20.45	20.37	20.57			
10	64QAM	50	0	20.40	20.45	20.45	20.35	20.50	21.5	3	
Channel											
Frequency (MHz)				39675	40148	40620	41093	41565			
5	QPSK	1	0	24.86	2544.8	2593	2640.30	2687.5	24.5	0	
5	QPSK	1	12	23.04	23.27	23.51	23.43	23.49			
5	QPSK	1	24	23.20	23.21	23.41	23.35	23.49			
5	QPSK	12	0	22.50	22.50	22.54	22.47	22.60	23.5	1	
5	QPSK	12	7	22.50	22.44	22.54	22.48	22.39			
5	QPSK	12	13	22.48	22.61	22.52	22.49	22.56			
5	QPSK	25	0	22.40	22.51	22.62	22.43	22.45			
5	16QAM	1	0	21.99	22.44	22.43	22.25	22.33	23.5	1	
5	16QAM	1	12	22.17	22.57	22.57	22.16	22.18			
5	16QAM	1	24	22.23	22.31	22.74	22.35	22.42			
5	16QAM	12	0	21.26	21.41	21.48	21.53	21.57			
5	16QAM	12	7	21.34	21.44	21.43	21.40	21.41	22.5	2	
5	16QAM	12	13	21.40	21.42	21.63	21.41	21.54			
5	16QAM	25	0	21.46	21.34	21.64	21.34	21.44			
5	64QAM	1	0	21.23	21.56	21.29	21.75	21.32			
5	64QAM	1	12	21.37	21.39	21.37	21.36	21.19	22.5	2	
5	64QAM	1	24	20.96	21.37	21.69	21.27	21.67			
5	64QAM	12	0	20.36	20.51	20.32	20.34	20.52			
5	64QAM	12	7	20.41	20.47	20.47	20.47	20.47			
5	64QAM	12	13	20.27	20.47	20.77	20.49	20.66	21.5	3	
5	64QAM	25	0	20.33	20.41	20.42	20.49	20.46			

Reduced Power Mode for DSI3

GSM850_Ant 13	Burst Average Power (dBm)			Tuneup Limit	Frame-Average Power (dBm)			Tuneup Limit
TX Channel	128	188	251	Limit	128	188	251	Limit
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	28.88	28.85	28.96	29.50	19.88	19.85	19.96	20.50
GPRS/EDGE GMSK 1 Tx slot	28.85	28.83	28.95	29.50	19.85	19.83	19.95	20.50
GPRS/EDGE GMSK 2 Tx slots	25.76	25.71	25.88	27.50	19.78	19.71	19.88	21.50
GPRS/EDGE GMSK 3 Tx slots	24.02	24.05	24.16	25.50	19.76	19.79	19.90	
GPRS/EDGE GMSK 4 Tx slots	22.76	22.77	22.96	24.00	19.76	19.77	19.96	21.00
EDGE BPSK 1 Tx slot	26.86	26.79	26.80	28.00	17.86	17.79	17.80	19.00
EDGE BPSK 2 Tx slot	25.12	25.01	25.02	26.00	19.12	19.01	19.02	20.00
EDGE BPSK 3 Tx slot	22.97	23.01	23.05	24.00	18.71	18.75	18.79	19.74
EDGE BPSK 4 Tx slots	21.52	21.58	21.63	22.50	18.52	18.56	18.63	19.50

GSM1900_Ant 13	Burst Average Power (dbm)				Tuneup	Frame Average Power (dbm)				Tuneup
TX Channel	512	661	810	Limit	512	661	810	Limit	Limit	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8			
GSM 1 Tx slot	25.55	25.35	25.52	26.00	16.55	16.35	16.52	17.00	17.00	
GPRS/EDGE GMSK 2 Tx slots	23.46	23.34	23.50	24.00	16.53	16.34	16.50	17.00	17.00	
GPRS/EDGE GMSK 2 Tx slots	23.46	23.49	23.38	24.00	17.46	17.49	17.38	18.00	18.00	
GPRS/EDGE GMSK 3 Tx slots	21.59	21.68	21.64	22.00	17.33	17.42	17.38	17.74	17.74	
GPRS/EDGE GMSK 4 Tx slots	20.50	20.27	20.26	20.50	17.50	17.27	17.26	17.50	17.50	
EDGE BPSK 1 Tx slot	25.12	25.39	25.01	26.00	16.12	16.39	16.01	17.00	17.00	
EDGE BPSK 2 Tx slot	23.30	23.24	23.36	24.00	17.30	17.24	17.36	18.00	18.00	
EDGE BPSK 3 Tx slots	21.37	21.31	21.30	22.00	17.11	17.05	17.04	17.74	17.74	
EDGE BPSK 4 Tx slots	19.56	19.51	19.52	20.50	16.56	16.51	16.52	17.50	17.50	

Band		WCDMA T_Ant 13			Tune-up Limit (dBm)	WCDMA T_Ant 31			Tune-up Limit (dBm)
TX Channel		9262	9400	9638		9262	9400	9638	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	15.91	15.95	15.89	16.50	23.93	23.94	23.87	24.50
3GPP Rel 99	AMR 12.2Kbps	15.95	15.98	15.93	16.50	23.94	23.95	23.89	24.50
3GPP Rel 6	HSOPA Subtest-1	14.85	14.78	14.78	16.00	22.98	22.95	22.91	24.00
3GPP Rel 6	HSOPA Subtest-2	14.88	14.80	14.83	16.00	23.00	22.95	22.93	24.00
3GPP Rel 6	HSOPA Subtest-3	14.36	14.24	14.23	15.50	22.49	22.42	22.45	23.50
3GPP Rel 6	HSOPA Subtest-4	14.41	14.32	14.25	15.50	22.52	22.43	22.45	23.50
3GPP Rel 6	DC-HSOPA Subtest-1	14.74	14.64	14.69	16.00	22.95	22.92	22.79	24.00
3GPP Rel 6	DC-HSOPA Subtest-2	14.82	14.61	14.68	16.00	22.99	22.89	22.82	24.00
3GPP Rel 6	DC-HSOPA Subtest-3	14.37	14.30	14.18	15.50	22.37	22.26	22.29	23.50
3GPP Rel 6	DC-HSOPA Subtest-4	14.25	14.19	14.19	15.50	22.50	22.39	22.31	23.50
3GPP Rel 6	HSUPA Subtest-1	14.84	14.83	14.77	16.00	22.99	22.99	22.94	24.00
3GPP Rel 6	HSUPA Subtest-2	12.77	12.77	12.87	14.00	20.92	20.96	20.93	22.00
3GPP Rel 6	HSUPA Subtest-3	13.82	13.83	13.81	15.00	21.88	21.96	21.97	23.00
3GPP Rel 6	HSUPA Subtest-4	12.88	12.81	12.76	14.00	20.94	20.90	20.90	22.00
3GPP Rel 6	HSUPA Subtest-5	14.79	14.74	14.74	16.00	23.00	22.90	22.90	24.00
3GPP Rel 7	HSPA (HSPA-M) Subtest-1	13.78	13.75	13.71	15.00	21.89	22.05	21.88	23.00

Band		WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		830.4	830.4	830.6		830.4	830.4	830.6	
3GPP Rel 99	AMR 12.2Kbps	18.86	19.69	19.83	20.50	24.25	24.37	24.35	25.00
3GPP Rel 99	AMR 12.2Kbps	19.89	19.91	19.85	20.50	24.27	24.30	24.38	25.00
3GPP Rel 6	HSOPA Subtest-1	18.94	19.02	19.01	20.00	23.46	23.53	23.57	24.50
3GPP Rel 6	HSOPA Subtest-2	18.91	18.94	18.93	20.00	23.47	23.54	23.54	24.50
3GPP Rel 6	HSOPA Subtest-3	18.37	18.53	18.45	19.50	22.94	22.97	23.10	24.00
3GPP Rel 6	HSOPA Subtest-4	18.47	18.48	18.53	19.50	22.94	23.00	23.06	24.00
3GPP Rel 6	DC-HSOPA Subtest-1	18.79	18.95	18.90	20.00	23.45	23.47	23.56	24.50
3GPP Rel 6	DC-HSOPA Subtest-2	18.93	18.84	18.92	20.00	23.45	23.47	23.53	24.50
3GPP Rel 6	DC-HSOPA Subtest-3	18.40	18.37	18.34	19.50	22.83	22.89	22.95	24.00
3GPP Rel 6	DC-HSOPA Subtest-4	18.40	18.34	18.44	19.50	22.81	22.85	23.04	24.00
3GPP Rel 6	HSUPA Subtest-1	18.90	18.90	19.00	20.00	23.46	23.55	23.57	24.50
3GPP Rel 6	HSUPA Subtest-2	18.89	17.02	16.97	18.00	21.50	21.51	21.51	22.50
3GPP Rel 6	HSUPA Subtest-3	17.95	17.96	18.01	19.00	22.47	22.51	22.53	23.50
3GPP Rel 6	HSUPA Subtest-4	16.97	16.93	16.92	18.50	21.52	21.47	21.58	23.00
3GPP Rel 6	HSUPA Subtest-5	18.99	18.95	18.98	20.00	23.50	23.60	23.50	24.50
3GPP Rel 7	HSPA (HSPA-M) Subtest-1	18.05	18.12	18.02	19.00	22.51	22.53	22.51	23.50

GSM850_Ant 31		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit (dBm)	128	189	251	Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	
GSM 1 Tx slot		32.60	32.95	32.74	33.50	23.60	23.95	23.74	24.50
GPRS/EDGE GMSK 1 Tx slot		32.59	32.91	32.72	33.50	23.59	23.91	23.72	24.50
GPRS/EDGE GMSK 2 Tx slots		30.31	30.56	30.47	31.50	24.31	24.56	24.47	25.50
GPRS/EDGE GMSK 3 Tx slots		27.60	28.85	28.62	29.50	23.34	24.59	24.36	25.24
GPRS/EDGE GMSK 4 Tx slots		27.04	27.22	27.20	28.00	24.04	24.22	24.20	25.00
EDGE BPSK 1 Tx slot		26.89	26.83	26.80	28.00	17.89	17.83	17.80	19.00
EDGE BPSK 2 Tx slot		24.98	24.81	25.01	26.00	18.98	18.81	19.01	20.00
EDGE BPSK 3 Tx slots		22.99	23.02	23.25	24.00	18.73	18.76	18.99	19.74
EDGE BPSK 4 Tx slots		21.63	21.38	21.58	22.50	18.63	18.38	18.56	19.50

GSM1900_Ant 31	Burst Average Power (dBm)				Frame-Average Power (dBm)			
TX Channel	512	661	810	Tune-up Limit (dBm)	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.86	29.91	29.83	30.50	20.86	20.90	20.83	21.50
GPRS/EDGE GMSK 1 Tx slot	29.85	29.80	29.81	30.50	20.85	20.80	20.81	21.50
GPRS/EDGE GMSK 2 Tx slots	27.62	27.67	27.43	28.50	21.62	21.67	21.43	22.50
GPRS/EDGE GMSK 3 Tx slots	25.53	25.53	25.34	26.50	21.27	21.27	21.08	22.24
GPRS/EDGE GMSK 4 Tx slots	24.42	24.31	24.44	25.00	21.42	21.31	21.44	22.00
EDGE BPSK 1 Tx slot	25.91	25.96	26.01	27.00	16.91	16.96	17.01	18.00
EDGE BPSK 2 Tx slot	24.20	24.20	24.23	25.00	18.20	18.20	18.23	19.00
EDGE BPSK 3 Tx slots	22.18	22.17	22.35	23.00	17.92	17.91	18.09	18.74
EDGE BPSK 4 Tx slots	20.64	20.57	20.56	21.50	17.64	17.57	17.56	18.50

Band		WCDMA R_Ant 13			Tune-up Limit (dBm)	WCDMA R_Ant 31			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	15.43	15.48	15.42	16.00	23.89	23.95	23.87	24.50
3GPP Rel 99	AMR 12.2Kbps	15.45	15.51	15.46	16.00	23.90	23.97	23.90	24.50
3GPP Rel 6	HSOPA Subtest-1	14.31	14.41	14.34	15.50	23.02	23.10	23.02	24.00
3GPP Rel 6	HSOPA Subtest-2	14.30	14.39	14.29	15.50	22.99	23.13	23.02	24.00
3GPP Rel 6	HSOPA Subtest-3	13.73	13.91	13.86	15.00	22.52	22.62	22.57	23.50
3GPP Rel 6	HSOPA Subtest-4	13.81	13.93	13.88	15.00	22.59	22.63	22.54	23.50
3GPP Rel 6	DC-HSOPA Subtest-1	14.21	14.35	14.36	15.50	23.00	22.97	22.96	24.00
3GPP Rel 6	DC-HSOPA Subtest-2	14.22	14.25	14.27	15.50	22.94	23.09	23.00	24.00
3GPP Rel 6	DC-HSOPA Subtest-3	13.69	13.83	13.66	15.00	22.48	22.56	22.56	23.50
3GPP Rel 6	DC-HSOPA Subtest-4	13.69	13.85	13.86	15.00	22.44	22.61	22.49	23.50
3GPP Rel 6	HSUPA Subtest-1	14.30	14.48	14.39	15.50	23.02	23.12	23.02	24.00
3GPP Rel 6	HSUPA Subtest-2	12.38	12.49	12.43	13.50	21.02	21.09	20.96	22.00
3GPP Rel 6	HSUPA Subtest-3	13.38	13.40	13.44	14.50	21.93	22.14	22.04	23.00
3GPP Rel 6	HSUPA Subtest-4	12.32	12.44	12.37	13.50	21.00	21.12	21.15	22.00
3GPP Rel 6	HSUPA Subtest-5	14.25	14.41	14.42	15.50	23.00	23.10	23.00	24.00
3GPP Rel 7	HSPA (HSPA-M) Subtest-1	13.38	13.40	13.34	14.50	21.96	22.15	22.06	23.00

Band 2_Ant 13														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.51	16.58	16.48	17.5	0						
20	QPSK	1	49	16.43	16.57	16.48								
20	QPSK	1	99	16.50	16.53	16.43								
20	QPSK	50	0	16.49	16.57	16.43								
20	QPSK	50	24	16.43	16.51	16.41	17.5	0						
20	QPSK	50	50	16.47	16.49	16.39								
20	QPSK	100	0	16.47	16.56	16.36								
20	16QAM	1	0	16.44	16.51	16.33								
20	16QAM	1	49	16.48	16.49	16.41	17.5	0						
20	16QAM	1	99	16.42	16.47	16.35								
20	16QAM	50	0	16.43	16.48	16.41								
20	16QAM	50	24	16.41	16.51	16.36								
20	16QAM	100	0	16.45	16.54	16.38	17.5	0						
20	64QAM	1	0	16.40	16.55	16.38								
20	64QAM	1	49	16.43	16.54	16.39								
20	64QAM	1	99	16.44	16.53	16.40								
20	64QAM	50	0	16.48	16.52	16.40	17.5	0						
20	64QAM	50	24	16.47	16.48	16.41								
20	64QAM	100	0	16.43	16.51	16.33								
20	64QAM	100	0	16.45	16.51	16.37								
Channel														
Frequency (MHz)														
15	QPSK	1	0	16.51	16.56	16.52	17.5	0						
15	QPSK	1	37	16.47	16.49	16.54								
15	QPSK	1	74	16.50	16.48	16.51								
15	QPSK	36	0	16.56	16.50	16.47								
15	QPSK	36	20	16.43	16.42	16.42	17.5	0						
15	QPSK	36	39	16.41	16.39	16.44								
15	QPSK	75	0	16.52	16.50	16.52								
15	16QAM	1	0	16.50	16.48	16.48								
15	16QAM	1	37	16.39	16.46	16.45	17.5	0						
15	16QAM	1	74	16.39	16.40	16.37								
15	16QAM	36	0	16.42	16.41	16.46								
15	16QAM	36	20	16.43	16.41	16.49								
15	16QAM	36	39	16.53	16.45	16.45	17.5	0						
15	16QAM	75	0	16.53	16.48	16.51								
15	64QAM	1	0	16.53	16.54	16.48								
15	64QAM	1	37	16.48	16.53	16.52								
15	64QAM	1	74	16.52	16.43	16.47	17.5	0						
15	64QAM	36	0	16.51	16.42	16.46								
15	64QAM	36	20	16.43	16.44	16.46								
15	64QAM	36	39	16.49	16.49	16.47								
15	64QAM	75	0	16.47	16.45	16.50	17.5	0						
15	64QAM	75	0	16.47	16.45	16.50								
Channel														
Frequency (MHz)														
10	QPSK	1	0	16.51	16.50	16.53	17.5	0						
10	QPSK	1	25	16.47	16.51	16.52								
10	QPSK	1	49	16.51	16.49	16.44								
10	QPSK	1	74	16.50	16.49	16.52								
10	QPSK	25	12	16.47	16.50	16.43	17.5	0						
10	QPSK	25	25	16.43	16.47	16.39								
10	QPSK	25	49	16.47	16.46	16.46								
10	QPSK	25	74	16.47	16.46	16.46								
10	16QAM	1	0	16.47	16.46	16.46	17.5	0						
10	16QAM	1	25	16.42	16.46	16.43								
10	16QAM	1	49	16.43	16.46	16.43								
10	16QAM	1	74	16.43	16.46	16.46								
10	16QAM	25	12	16.50	16.50	16.43	17.5	0						
10	16QAM	25	25	16.47	16.48	16.48								
10	16QAM	50	0	16.52	16.53	16.47								
10	16QAM	50	0	16.53	16.51	16.48								
10	16QAM	1	25	16.53	16.45	16.48	17.5	0						
10	16QAM	1	49	16.47	16.44	16.43								
10	16QAM	1	74	16.47	16.51	16.49								
10	16QAM	25	12	16.47	16.47	16.41								
10	16QAM	25	25	16.41	16.43	16.49	17.5	0						
10	16QAM	25	49	16.41	16.43	16.49								
10	16QAM	50	0	16.46	16.49	16.49								
10	16QAM	50	0	16.46	16.49	16.49								
Channel														
Frequency (MHz)														
5	QPSK	1	0	16.49	16.51	16.49	17.5	0						
5	QPSK	1	12	16.49	16.56	16.48								
5	QPSK	1	24	16.44	16.47	16.45								
5	QPSK	12	0	16.50	16.56	16.52								
5	QPSK	12	7	16.49	16.48	16.41	17.5	0						
5	QPSK	12	13	16.39	16.41	16.41								
5	QPSK	25	12	16.44	16.55	16.48								
5	16QAM	1	0	16.44	16.48	16.42								
5	16QAM	1	12	16.48	16.40	16.46	17.5	0						
5	16QAM	1	24	16.38	16.45	16.46								
5	16QAM	12	0	16.44	16.38	16.39								
5	16QAM	12	7	16.49	16.42	16.46								
5	16QAM	12	13	16.45	16.44	16.53	17.5	0						
5	16QAM	25	0	16.44	16.51	16.44								
5	16QAM	25	12	16.52	16.52	16.54								
5	64QAM	1	12	16.48	16.52	16.53								
5	64QAM	1	24	16.49	16.51	16.49	17.5	0						
5	64QAM	12	0	16.42	16.46	16.48								
5	64QAM	12	7	16.38	16.42	16.39								
5	64QAM	12	13	16.49	16.50	16.43								
5	64QAM	25	0	16.48	16.46	16.47	17.5	0						
5	64QAM	25	0	16.48	16.46	16.47								
Channel														
Frequency (MHz)														
3	QPSK	1	0	16.49	16.50	16.53	17.5	0						
3	QPSK	1	8	16.56	16.48	16.55								
3	QPSK	1	14	16.44	16.47	16.47								
3	QPSK	8	0	16.51	16.53	16.49								
3	QPSK	8	4	16.50	16.47	16.44	17.5	0						
3	QPSK	8	7	16.44	16.42	16.40								
3	QPSK	15	0	16.55	16.47	16.46								
3	16QAM	1	0	16.44	16.45	16.46	17.5	0						
3	16QAM	1	8	16.43	16.45	16.42								
3	16QAM	8	0	16.38	16.43	16.38								
3	16QAM	8	4	16.42	16.47	16.43								
3	16QAM	8	7	16.52	16.45	16.49	17.5	0						
3	16QAM	15	0	16.53	16.50	16.45								
3	64QAM	1	0	16.53	16.52	16.50								
3	64QAM	1	8	16.50	16.44	16.46								
3	64QAM	1	14	16.44	16.49	16.46	17.5	0						
3	64QAM	8	0	16.48	16.47	16.46								
3	64QAM	8	4	16.40	16.44	16.46								
3	64QAM	8	7	16.49	16.44	16.42								
3	64QAM	15	0	16.48	16.42	16.43								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	16.07	16.00	16.00	17.5	0						
1.4	QPSK	1	3	16.48	16.52	16.48								
1.4	QPSK	1	6	16.52	16.52	16.49								
1.4	QPSK	3	0	16.52	16.49	16.48								
1.4	QPSK	3	1	16.46	16.43	16.41	17.5	0						
1.4	QPSK	3	3	16.39	16.43	16.43								
1.4	QPSK	6	0	16.55	16.52	16.51								
1.4	16QAM	1	0	16.49	16.48	16.48								
1.4	16QAM	1	3	16.40	16.39	16.43	17.5	0						
1.4	16QAM	1	6	16.44	16.37	16.42								
1.4	16QAM	3	0	16.43	16.45	16.42								
1.4	16QAM	3	1	16.43	16.46	16.47								
1.4	16QAM	6	0	16.52	16.51	16.51	17.5	0						
1.4	16QAM	6	0	16.52	16.53	16.53								
1.4	16QAM	1	3	16.44	16.52	16.53								
1.4	16QAM	1	6	16.52	16.47	16.51								
1.4	16QAM	3	0	16.45	16.49	16.49	17.5	0						
1.4	16QAM	3	1	16.40	16.40	16.40								
1.4	16QAM	6	0	16.46	16.46	16.46								
1.4	16QAM	6	0	16.47	16.45	16.50								

Band 4_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./ Freq	Power ModBk Ch./ Freq	Power High Ch./ Freq	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	18.85	18.72	18.60	19.5	0	
20	QPSK	1	49	18.85	18.71	18.60			
20	QPSK	1	99	18.86	18.69	18.60	19.5	0	
20	QPSK	50	0	18.85	18.70	18.67			
20	QPSK	50	24	18.85	18.69	18.60	19.5	0	
20	QPSK	50	50	18.84	18.61	18.62			
20	16QAM	1	0	18.84	18.69	18.65	19.5	0	
20	16QAM	1	49	18.85	18.64	18.56			
20	16QAM	1	99	18.49	18.59	18.60	19.5	0	
20	16QAM	50	0	18.46	18.64	18.60			
20	16QAM	50	24	18.51	18.65	18.55	19.5	0	
20	16QAM	50	50	18.49	18.60	18.63			
20	64QAM	1	0	18.48	18.64	18.60	19.5	0	
20	64QAM	1	49	18.47	18.54	18.60			
20	64QAM	1	99	18.48	18.68	18.55	19.5	0	
20	64QAM	50	0	18.44	18.60	18.59			
20	64QAM	50	24	18.48	18.66	18.56	19.5	0	
20	64QAM	50	50	18.53	18.59	18.62			
20	64QAM	100	0	18.44	18.61	18.58			
Channel				20025	20175	20325	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1722.5	1747.5			
18	QPSK	1	0	18.71	18.63	18.64	19.5	0	
18	QPSK	1	37	18.67	18.62	18.70			
18	QPSK	1	74	18.66	18.67	18.68	19.5	0	
18	QPSK	36	0	18.62	18.61	18.65			
18	QPSK	36	18	18.61	18.63	18.59	19.5	0	
18	QPSK	36	36	18.56	18.60	18.53			
18	QPSK	75	0	18.64	18.59	18.63	19.5	0	
18	16QAM	1	0	18.64	18.59	18.60			
18	16QAM	1	37	18.61	18.59	18.62	19.5	0	
18	16QAM	1	74	18.52	18.56	18.58			
18	16QAM	36	0	18.55	18.63	18.54	19.5	0	
18	16QAM	36	18	18.61	18.64	18.60			
18	16QAM	36	36	18.52	18.58	18.52	19.5	0	
18	16QAM	75	0	18.53	18.56	18.54			
18	64QAM	1	0	18.56	18.61	18.54	19.5	0	
18	64QAM	1	37	18.56	18.57	18.58			
18	64QAM	1	74	18.61	18.65	18.59	19.5	0	
18	64QAM	36	0	18.57	18.59	18.50			
18	64QAM	36	20	18.64	18.62	18.62	19.5	0	
18	64QAM	36	36	18.54	18.57	18.63			
18	64QAM	75	0	18.55	18.63	18.53	19.5	0	
Channel				20075	20215	20375	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1722.5	1732.5			
10	QPSK	1	0	18.71	18.63	18.64	19.5	0	
10	QPSK	1	25	18.64	18.66	18.68			
10	QPSK	1	49	18.65	18.64	18.63	19.5	0	
10	QPSK	25	0	18.62	18.66	18.59			
10	QPSK	25	12	18.58	18.59	18.58	19.5	0	
10	QPSK	25	25	18.54	18.53	18.51			
10	QPSK	50	0	18.56	18.67	18.66	19.5	0	
10	16QAM	1	0	18.54	18.57	18.60			
10	16QAM	1	25	18.61	18.55	18.59	19.5	0	
10	16QAM	1	49	18.53	18.58	18.49			
10	16QAM	25	0	18.56	18.56	18.54	19.5	0	
10	16QAM	25	12	18.60	18.56	18.64			
10	16QAM	25	25	18.56	18.56	18.59	19.5	0	
10	16QAM	50	0	18.49	18.53	18.52			
10	16QAM	50	0	18.56	18.57	18.56	19.5	0	
10	64QAM	1	25	18.64	18.63	18.59			
10	64QAM	1	49	18.61	18.60	18.66	19.5	0	
10	64QAM	25	0	18.57	18.56	18.64			
10	64QAM	25	12	18.58	18.60	18.58	19.5	0	
10	64QAM	25	12	18.56	18.51	18.57			
10	64QAM	25	12	18.56	18.53	18.52	19.5	0	
10	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.60	18.53	18.58			
5	64QAM	25	0	18.56	18.57	18.56	19.5	0	
5	64QAM	50	0	18.56	18.62	18.63			
5	64QAM	50	12	18.63	18.61	18.58	19.5	0	
5	64QAM	1	24	18.61	18.60	18.61			
5	64QAM	12	0	18.52	18.52	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5	64QAM	25	12	18.58	18.60	18.58	19.5	0	
5	64QAM	25	12	18.56	18.51	18.57			
5	64QAM	25	12	18.56	18.53	18.52	19.5	0	
5	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5	64QAM	25	12	18.58	18.60	18.58	19.5	0	
5	64QAM	25	12	18.56	18.51	18.57			
5	64QAM	25	12	18.56	18.53	18.52	19.5	0	
5	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5	64QAM	25	12	18.58	18.60	18.58	19.5	0	
5	64QAM	25	12	18.56	18.51	18.57			
5	64QAM	25	12	18.56	18.53	18.52	19.5	0	
5	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5	64QAM	25	12	18.58	18.60	18.58	19.5	0	
5	64QAM	25	12	18.56	18.51	18.57			
5	64QAM	25	12	18.56	18.53	18.52	19.5	0	
5	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5	64QAM	25	12	18.58	18.60	18.58	19.5	0	
5	64QAM	25	12	18.56	18.51	18.57			
5	64QAM	25	12	18.56	18.53	18.52	19.5	0	
5	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5	64QAM	25	12	18.58	18.60	18.58	19.5	0	
5	64QAM	25	12	18.56	18.51	18.57			
5	64QAM	25	12	18.56	18.53	18.52	19.5	0	
5	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5	64QAM	25	12	18.58	18.60	18.58	19.5	0	
5	64QAM	25	12	18.56	18.51	18.57			
5	64QAM	25	12	18.56	18.53	18.52	19.5	0	
5	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5	64QAM	25	12	18.58	18.60	18.58	19.5	0	
5	64QAM	25	12	18.56	18.51	18.57			
5	64QAM	25	12	18.56	18.53	18.52	19.5	0	
5	64QAM	1	0	18.56	18.62	18.63			
5	64QAM	1	12	18.63	18.63	18.58	19.5	0	
5	64QAM	1	24	18.60	18.63	18.59			
5	64QAM	12	0	18.62	18.62	18.50	19.5	0	
5	64QAM	12	7	18.63	18.60	18.56			
5	64QAM	12	13	18.56	18.57	18.61	19.5	0	
5	64QAM	25	0	18.57	18.56	18.56			
5									

Band 7_Ant 31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Time-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				20850	21100	21350					
				2510	2535	2560					
20	QPSK	1	0	22.85	23.08	22.87	24	0			
20	QPSK	1	49	22.85	22.98	22.85					
20	QPSK	1	99	22.85	22.85	22.85					
20	QPSK	50	0	22.05	22.14	22.13					
20	QPSK	50	24	21.90	21.96	22.00	23	1			
20	QPSK	50	50	21.99	22.09	22.12					
20	QPSK	100	0	22.00	22.00	22.02					
20	16QAM	1	0	22.54	22.40	22.55					
20	16QAM	1	49	22.29	22.32	22.72	23	1			
20	16QAM	1	99	22.55	22.18	22.77					
20	16QAM	50	0	20.76	20.90	20.99					
20	16QAM	50	24	20.91	20.99	21.10					
20	16QAM	100	0	21.00	21.04	21.06	22	2			
20	16QAM	1	0	20.87	21.09	20.84					
20	16QAM	1	49	21.37	21.33	20.91					
20	16QAM	1	99	21.40	21.26	21.32					
20	16QAM	50	0	20.03	19.97	20.06	21	3			
20	16QAM	50	24	20.07	20.02	20.07					
20	16QAM	50	50	19.89	20.03	20.12					
20	16QAM	100	0	20.02	19.88	20.08					
Channel											
Channel				20825	21100	21375	Time-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	22.62	23.04	22.86	24	0			
15	QPSK	1	37	22.79	22.82	22.84					
15	QPSK	1	74	22.69	22.74	22.82					
15	QPSK	36	0	21.98	22.06	22.05					
15	QPSK	36	20	21.76	21.82	21.84	23	1			
15	QPSK	36	39	21.96	22.00	21.96					
15	QPSK	75	0	21.89	21.91	21.89					
15	16QAM	1	0	21.73	22.24	22.42					
15	16QAM	1	37	22.22	22.19	22.68	23	1			
15	16QAM	1	74	22.01	22.06	22.70					
15	16QAM	36	0	20.86	20.89	20.91					
15	16QAM	36	20	20.81	20.96	20.96					
15	16QAM	36	39	20.80	20.99	21.05	22	2			
15	16QAM	75	0	20.86	20.95	21.05					
15	16QAM	1	0	20.76	21.06	20.74					
15	16QAM	1	37	21.35	21.18	20.87					
15	16QAM	1	74	21.36	21.21	21.18	22	2			
15	16QAM	36	0	19.93	19.91	20.01					
15	16QAM	36	20	19.97	19.99	19.90					
15	16QAM	36	39	19.91	19.93	19.97					
15	16QAM	75	0	19.92	19.73	19.96	21	3			
Channel											
Channel				20805	21100	21400	Time-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5					
10	QPSK	1	0	22.90	22.97	22.95	24	0			
10	QPSK	1	25	22.79	22.92	22.83					
10	QPSK	1	49	22.71	22.69	22.81					
10	16QAM	36	0	22.02	22.33	22.43					
10	QPSK	25	12	21.76	21.87	21.96	23	1			
10	QPSK	25	25	21.98	22.01	22.07					
10	16QAM	50	0	21.87	21.96	21.91					
10	16QAM	50	0	22.02	22.33	22.43					
10	16QAM	1	25	22.24	22.29	22.61	23	1			
10	16QAM	1	49	22.03	22.11	22.76					
10	16QAM	25	0	20.74	20.90	20.94					
10	16QAM	25	12	20.83	20.90	21.05					
10	16QAM	25	25	20.86	20.97	21.08	22	2			
10	16QAM	50	0	20.93	20.91	20.95					
10	16QAM	1	0	20.71	20.96	20.80					
10	16QAM	1	25	21.31	21.32	20.86					
10	16QAM	1	49	21.35	21.11	21.16	22	2			
10	16QAM	25	0	19.90	19.91	19.90					
10	16QAM	25	12	19.85	19.98	19.92					
10	16QAM	25	25	19.88	19.98	20.03					
10	16QAM	50	0	19.94	19.80	20.04	21	3			
Channel											
Channel				20775	21100	21425	Time-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	22.50	23.01	22.95	24	0			
5	QPSK	1	12	22.80	22.96	22.88					
5	QPSK	1	24	22.79	22.72	22.79					
5	QPSK	12	0	21.95	22.12	22.09					
5	QPSK	12	7	21.77	21.90	22.07	23	1			
5	QPSK	12	13	21.87	21.94	21.99					
5	QPSK	25	0	21.87	21.95	21.95					
5	16QAM	1	0	22.00	22.36	22.39					
5	16QAM	1	12	22.24	22.07	22.59	23	1			
5	16QAM	1	24	22.01	22.07	22.63					
5	16QAM	12	0	20.95	20.78	20.94					
5	16QAM	12	7	20.83	20.89	21.09					
5	16QAM	12	13	20.92	20.95	20.99	22	2			
5	16QAM	25	0	20.85	20.90	20.90					
5	16QAM	1	0	20.73	21.05	20.73					
5	16QAM	1	12	21.27	21.25	20.78					
5	16QAM	1	24	21.24	21.15	21.27	22	2			
5	16QAM	12	0	19.88	19.94	20.05					
5	16QAM	12	7	19.88	19.92	19.97					
5	16QAM	12	13	19.76	19.94	19.98					
5	16QAM	25	0	19.95	19.77	19.98	21	3			

Band 7_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Time-up limit (dBm)	MPR (dB)	
Channel									
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.05	18.15	18.11	19.5	0	
20	QPSK	1	49	17.97	18.12	18.03			
20	QPSK	1	98	17.96	18.11	18.03			
20	QPSK	50	0	18.00	18.08	18.07			
20	QPSK	50	24	17.97	18.01	18.04	19.5	0	
20	QPSK	50	50	17.93	18.01	18.02			
20	QPSK	100	0	17.95	17.98	17.97			
20	16QAM	1	0	17.97	18.02	17.99			
20	16QAM	1	49	17.94	18.04	18.05	19.5	0	
20	16QAM	1	98	17.95	18.05	18.00			
20	16QAM	50	0	17.98	18.06	18.01			
20	16QAM	50	24	17.95	18.07	18.04			
20	16QAM	50	50	17.97	17.98	17.97	19.5	0	
20	16QAM	100	0	17.97	18.05	18.04			
20	16QAM	1	0	17.90	17.98	18.02			
20	16QAM	1	49	17.90	17.98	18.04			
20	16QAM	1	99	17.91	18.01	17.97	19.5	0	
20	16QAM	50	0	17.93	17.98	17.99			
20	16QAM	50	24	17.96	18.05	17.98			
20	16QAM	50	50	17.90	17.99	18.02			
20	16QAM	100	0	17.92	17.89	17.97			
Channel									
Channel				20825	21100	21375	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.11	18.14	18.10	19.5	0	
15	QPSK	1	37	18.03	18.02	18.10			
15	QPSK	1	74	18.09	18.04	18.04			
15	QPSK	36	0	17.99	17.99	18.01			
15	QPSK	36	20	17.94	17.95	17.99	19.5	0	
15	QPSK	36	50	17.99	17.97	17.97			
15	QPSK	20	0	17.90	17.94	17.99			
15	16QAM	1	0	17.94	17.93	17.92			
15	16QAM	1	37	17.99	17.96	18.00	19.5	0	
15	16QAM	1	74	17.97	18.04	18.07			
15	16QAM	20	0	18.03	18.03	18.01			
15	16QAM	36	0	18.06	17.99	17.98			
15	16QAM	36	20	17.94	17.95	17.93	19.5	0	
15	16QAM	36	50	18.02	18.04	18.00			
15	16QAM	74	0	17.96	17.94	17.88			
15	16QAM	1	37	17.88	17.90	17.91			
15	16QAM	74	0	17.95	17.90	17.90	19.5	0	
15	16QAM	36	0	17.92	17.90	17.91			
15	16QAM	36	20	17.97	17.99	18.04			
15	16QAM	36	50	17.98	17.99	17.99			
15	16QAM	74	0	17.97	17.99	17.95	19.5	0	
15	16QAM	74	20	17.97	17.99	17.95			
15	16QAM	74	50	17.97	17.99	17.95			
15	16QAM	74	74	17.92	17.90	17.91			
Channel									
Channel				20805	21100	21400	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25025	25350	25655			
10	QPSK	1	0	18.08	18.14	18.09	19.5	0	
10	QPSK	1	24	18.02	18.08	18.08			
10	QPSK	1	49	18.01	18.06	18.06			
10	QPSK	25	0	18.04	17.98	18.02			
10	QPSK	25	12	17.97	17.98	17.96	19.5	0	
10	QPSK	25	25	17.93	17.95	17.94			
10	QPSK	50	0	17.96	17.97	17.97			
10	QPSK	50	12	17.94	17.96	17.95			
10	16QAM	1	0	17.98	17.99	17.98	19.5	0	
10	16QAM	1	49	17.97	17.96	17.97			
10	16QAM	25	0	18.03	18.01	18.04			
10	16QAM	25	12	18.00	18.06	17.97			
10	16QAM	25	25	17.93	17.95	17.99	19.5	0	
10	16QAM	50	0	18.02	18.02	17.98			
10	16QAM	1	0	17.88	17.97	17.95			
10	16QAM	1	25	17.93	17.93	17.92			
10	16QAM	1	50	17.93	17.91	17.91	19.5	0	
10	16QAM	25	0	17.88	17.92	17.95			
10	16QAM	25	12	17.88	17.99	17.97			
10	16QAM	25	25	17.95	17.98	17.98			
10	16QAM	50	0	17.96	17.97	17.91	19.5	0	
10	16QAM	50	12	17.88	17.99	17.98			
10	16QAM	50	25	17.95	17.97	17.97			
10	16QAM	50	50	17.95	17.97	17.91			
Channel									
Channel				20775	21100	21425	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25025	25350	2567.5			
5	QPSK	1	0	18.09	18.04	18.12	19.5	0	
5	QPSK	1	12	18.01	18.04	18.11			
5	QPSK	1	24	18.04	18.05	18.06			
5	QPSK	12	0	17.99	18.06	17.98			
5	QPSK	12	17	17.91	17.91	17.91	19.5	0	
5	QPSK	12	13	17.97	17.96	17.98			
5	QPSK	25	0	17.93	17.96	17.88			
5	16QAM	1	0	18.00	17.93	17.97			
5	16QAM	1	12	18.02	17.99	17.99	19.5	0	
5	16QAM	1	24	17.99	18.04	18.03			
5	16QAM	12	0	18.00	18.04	18.03			
5	16QAM	12	7	18.02	17.99	17.98			
5	16QAM	12	12	17.91	17.98	17.98	19.5	0	
5	16QAM	25	0	18.02	18.01	18.04			
5	16QAM	25	0	17.93	17.99	17.94			
5	16QAM	1	12	17.88	17.94	17.93			
5	16QAM	1	24	17.92	17.91	17.99	19.5	0	
5	16QAM	12	0	17.90	17.95	17.88			
5	16QAM	12	7	18.04	17.99	17.98			
5	16QAM	12	12	17.92	17.94	17.93			
5	16QAM	25	0	17.97	17.95	17.92	19.5	0	
5	16QAM	25	7	18.00	17.99	17.98			
5	16QAM	25	12	17.95	17.99	17.98			
5	16QAM	25	17	17.97	17.95	17.92			

Band 13_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
23230									
Frequency (MHz)									
10	QPSK	1	0	24.17			25	0	
10	QPSK	1	25	24.13					
10	QPSK	1	49	23.88					
10	QPSK	25	0	23.11			24	1	
10	QPSK	25	12	22.97					
10	QPSK	25	25	23.10					
10	QPSK	50	0	22.98			24	1	
10	16QAM	1	0	23.12					
10	16QAM	1	25	22.91					
10	16QAM	1	49	23.32			23	2	
10	16QAM	25	0	22.10					
10	16QAM	25	12	21.98					
10	16QAM	25	25	22.11			23	2	
10	16QAM	50	0	22.05					
10	64QAM	1	0	22.61					
10	64QAM	1	25	22.13			22	3	
10	64QAM	1	49	22.04					
10	64QAM	25	0	21.00					
10	64QAM	25	12	20.96			22	3	
10	64QAM	25	25	21.12					
10	64QAM	50	0	21.06					
Channel									
23205 23230 23255									
Frequency (MHz)									
5	QPSK	1	0	24.13	24.10	24.04	25	0	
5	QPSK	1	12	24.08	24.05	23.98			
5	QPSK	1	24	23.86	23.84	23.72			
5	QPSK	12	0	23.07	23.03	23.02	24	1	
5	QPSK	12	7	22.81	22.87	22.94			
5	QPSK	12	13	23.01	23.06	23.00			
5	QPSK	25	0	22.82	22.88	22.85	24	1	
5	16QAM	1	0	23.09	23.00	23.05			
5	16QAM	1	12	22.85	22.89	22.79			
5	16QAM	1	24	23.28	23.20	23.19	23	2	
5	16QAM	12	0	22.07	22.02	21.94			
5	16QAM	12	7	21.96	21.97	21.83			
5	16QAM	12	13	22.09	22.10	22.05	23	2	
5	16QAM	25	0	21.96	21.89	21.95			
5	64QAM	1	12	22.00	22.02	22.04			
5	64QAM	1	24	21.91	21.88	21.91	22	2	
5	64QAM	12	0	20.98	20.93	20.91			
5	64QAM	12	7	20.86	20.88	20.90			
5	64QAM	12	13	21.04	21.09	21.08	22	3	
5	64QAM	25	0	20.96	21.01	20.99			

Band 13_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							23230		
Frequency (MHz)							762		
10	QPSK	1	0	24.16			25	0	
10	QPSK	1	25	24.11					
10	QPSK	1	49	23.94					
10	QPSK	25	0	23.17			24	1	
10	QPSK	25	12	22.99					
10	QPSK	25	25	23.16					
10	QPSK	50	0	23.08			24	1	
10	16QAM	1	0	23.58					
10	16QAM	1	25	23.26					
10	16QAM	1	49	23.32			23	2	
10	16QAM	25	0	22.04					
10	16QAM	25	12	22.08					
10	16QAM	25	25	22.17			23	2	
10	16QAM	50	0	22.10					
10	64QAM	1	0	22.28					
10	64QAM	1	25	22.52			23	2	
10	64QAM	1	49	22.14					
10	64QAM	25	0	20.97					
10	64QAM	25	12	21.11			22	3	
10	64QAM	25	25	21.09					
10	64QAM	50	0	21.00					
Channel							23205 23230 23255	Turn-up limit (dBm) MPR (dB)	
Frequency (MHz)							770.5 762 764.5		
5	QPSK	1	0	24.07	24.14	24.11	25	0	
5	QPSK	1	12	24.08	24.02	24.01			
5	QPSK	1	24	23.81	23.78	23.84			
5	QPSK	12	0	23.15	23.11	23.14	24	1	
5	QPSK	12	7	22.85	22.89	22.85			
5	QPSK	12	13	23.05	23.15	23.13			
5	QPSK	25	0	23.04	22.95	23.04	24	1	
5	16QAM	1	0	23.30	23.55	23.51			
5	16QAM	1	12	23.18	23.19	23.19			
5	16QAM	1	24	23.25	23.22	23.28	23	2	
5	16QAM	12	0	21.96	22.01	21.93			
5	16QAM	12	7	22.00	22.05	21.93			
5	16QAM	12	13	22.14	22.10	22.02	23	2	
5	16QAM	25	0	21.98	21.84	22.04			
5	64QAM	1	0	22.17	22.15	22.25			
5	64QAM	1	12	22.47	22.50	22.47	23	2	
5	64QAM	1	24	22.09	21.98	22.12			
5	64QAM	12	0	20.82	20.85	20.80			
5	64QAM	12	7	21.02	21.06	21.08	22	3	
5	64QAM	12	13	21.05	21.02	21.01			
5	64QAM	25	0	20.89	20.99	20.92			

Band 17_Ant 13									
BW (MHz)	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)				23760	23790	23800			
				705	710	711			
10	QPSK	1	0	23.45	23.51	23.41	24.5	0	
10	QPSK	1	25	23.41	23.49	23.37			
10	QPSK	1	49	23.38	23.47	23.39			
10	QPSK	25	0	22.94	22.98	22.85	24	0.5	
10	QPSK	25	12	22.91	22.93	22.80			
10	QPSK	25	25	22.89	22.97	22.78			
10	QPSK	50	0	22.87	22.90	22.85	24	0.5	
10	16QAM	1	0	22.92	22.90	22.82			
10	16QAM	1	25	22.88	22.89	22.76			
10	16QAM	1	49	22.87	22.90	22.85	23	1.5	
10	16QAM	25	0	21.92	21.95	21.76			
10	16QAM	25	12	21.91	21.92	21.85			
10	16QAM	25	25	21.85	21.95	21.78	23	1.5	
10	16QAM	50	0	21.90	21.97	21.81			
10	64QAM	1	0	21.85	21.96	21.85			
10	64QAM	1	25	21.91	21.88	21.81	22	1.5	
10	64QAM	1	49	21.93	21.95	21.82			
10	64QAM	25	0	20.92	20.88	20.76			
10	64QAM	25	12	20.86	20.93	20.82	22	2.5	
10	64QAM	25	25	20.93	20.97	20.80			
10	64QAM	50	0	20.90	20.96	20.81			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.43	23.44	23.43	24.5	0	
5	QPSK	1	12	23.48	23.39	23.40			
5	QPSK	1	24	23.38	23.37	23.46			
5	QPSK	12	0	22.91	22.89	22.92	24	0.5	
5	QPSK	12	7	22.87	22.90	22.90			
5	QPSK	12	13	22.91	22.96	22.88			
5	QPSK	25	0	22.87	22.82	22.87	24	0.5	
5	16QAM	1	0	22.85	22.86	22.86			
5	16QAM	1	12	22.83	22.87	22.82			
5	16QAM	1	24	22.95	22.90	22.91	24	0.5	
5	16QAM	12	0	21.89	21.87	21.91			
5	16QAM	12	7	21.82	21.83	21.87			
5	16QAM	12	13	21.94	21.88	21.87	23	1.5	
5	16QAM	25	0	21.91	21.89	21.96			
5	16QAM	25	0	21.94	21.95	21.89			
5	64QAM	1	0	21.83	21.82	21.80	23	1.5	
5	64QAM	1	24	21.85	21.94	21.87			
5	64QAM	12	0	20.84	20.83	20.86			
5	64QAM	12	7	20.86	20.92	20.87	22	2.5	
5	64QAM	12	13	20.85	20.94	20.93			
5	64QAM	25	0	20.94	20.90	20.94			

Band 26_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq	Power Middle Ch./F.Freq	Power High Ch./F.Freq	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				26765	26665	26665						
				821.5	831.5	841.5						
15	QPSK	1	0	18.97	18.94	18.93	20	0				
15	QPSK	1	37	18.96	18.93	18.96						
15	QPSK	1	74	18.94	18.93	18.94						
15	QPSK	36	0	18.95	18.96	18.97	20	0				
15	QPSK	36	20	18.96	18.94	18.97						
15	QPSK	36	39	18.95	18.97	18.94						
15	QPSK	75	0	18.96	18.93	18.95	20	0				
15	16QAM	1	0	18.97	18.94	18.79						
15	16QAM	1	37	18.95	18.93	18.95						
15	16QAM	1	74	18.97	18.91	18.94	20	0				
15	16QAM	36	0	18.95	18.97	18.92						
15	16QAM	36	20	18.95	18.95	18.98						
15	16QAM	36	39	18.95	18.95	18.92	20	0				
15	16QAM	75	0	18.97	18.97	18.79						
15	16QAM	1	0	18.94	18.98	18.79						
15	16QAM	1	37	18.95	18.93	18.95	20	0				
15	16QAM	1	74	18.99	18.95	18.92						
15	16QAM	36	0	18.99	18.93	18.95						
15	16QAM	36	20	18.94	18.94	18.78	20	0				
15	16QAM	36	39	18.95	18.97	18.97						
15	16QAM	75	0	18.92	18.93	18.92						
Channel												
Frequency (MHz)				26740	26665	26690				Time-up limit (dBm)	MPR (dB)	
				819	831.5	844						
10	QPSK	1	0	18.93	18.93	18.93	20	0				
10	QPSK	1	25	18.89	18.93	18.95						
10	QPSK	1	49	18.95	18.90	18.95						
10	QPSK	25	0	18.94	18.94	18.94	20	0				
10	QPSK	25	12	18.94	18.94	18.94						
10	QPSK	25	25	18.95	18.95	18.95						
10	QPSK	50	0	18.92	18.95	18.87	20	0				
10	16QAM	1	0	18.91	18.94	18.79						
10	16QAM	1	25	18.95	18.95	18.94						
10	16QAM	1	49	18.92	18.92	18.94	20	0				
10	16QAM	25	0	18.94	18.77	18.92						
10	16QAM	25	12	18.95	18.95	18.95						
10	16QAM	25	25	18.76	18.76	18.76	20	0				
10	16QAM	50	0	18.78	18.78	18.78						
10	16QAM	1	0	18.91	18.94	18.90						
10	16QAM	1	25	18.97	18.91	18.91	20	0				
10	16QAM	1	49	18.98	18.98	18.91						
10	16QAM	25	0	18.97	18.95	18.98						
10	16QAM	25	12	18.95	18.97	18.98	20	0				
10	16QAM	25	25	18.92	18.94	18.77						
10	16QAM	50	0	18.91	18.95	18.95						
Channel												
Frequency (MHz)				26715	26665	26715				Time-up limit (dBm)	MPR (dB)	
				816.5	831.5	846.5						
5	QPSK	1	0	19.01	18.96	19.02	20	0				
5	QPSK	1	12	18.95	18.95	18.93						
5	QPSK	1	24	18.91	18.95	18.95						
5	QPSK	12	0	18.95	18.94	18.95	20	0				
5	QPSK	12	7	18.89	18.99	18.98						
5	QPSK	12	13	18.85	18.94	18.79						
5	QPSK	25	0	18.93	18.96	18.97	20	0				
5	16QAM	1	0	18.93	18.96	18.97						
5	16QAM	1	12	18.90	18.91	18.89						
5	16QAM	1	24	18.95	18.91	18.94	20	0				
5	16QAM	12	0	18.91	18.94	18.91						
5	16QAM	12	7	18.91	18.93	18.95						
5	16QAM	12	13	18.85	18.93	18.80	20	0				
5	16QAM	25	0	18.94	18.78	18.93						
5	16QAM	25	12	18.92	18.91	18.91						
5	16QAM	1	0	18.93	18.91	18.92	20	0				
5	16QAM	1	24	18.93	18.88	18.87						
5	16QAM	12	0	18.93	18.91	18.91						
5	16QAM	12	7	18.90	18.97	18.95	20	0				
5	16QAM	12	13	18.91	18.91	18.86						
5	16QAM	25	0	18.95	18.99	18.96						
Channel												
Frequency (MHz)				26705	26665	26705				Time-up limit (dBm)	MPR (dB)	
				815.5	831.5	847.5						
3	QPSK	1	0	18.96	18.93	19.01	20	0				
3	QPSK	1	8	18.91	18.98	18.95						
3	QPSK	1	16	18.91	18.98	18.98						
3	QPSK	8	0	18.93	18.96	18.90	20	0				
3	QPSK	8	4	18.90	18.93	18.94						
3	QPSK	8	7	18.83	18.94	18.77						
3	16QAM	1	0	18.91	18.95	18.95	20	0				
3	16QAM	1	8	18.94	18.93	18.95						
3	16QAM	1	16	18.90	18.91	18.96						
3	16QAM	8	0	18.93	18.78	18.95	20	0				
3	16QAM	8	4	18.91	18.91	18.93						
3	16QAM	8	7	18.83	18.78	18.81						
3	16QAM	15	0	18.88	18.78	18.95	20	0				
3	16QAM	15	8	18.83	18.78	18.85						
3	16QAM	15	8	18.83	18.81	18.78		20	0			
3	16QAM	15	16	18.90	18.81	18.80						
3	16QAM	15	24	18.92	18.88	18.97		20	0			
3	16QAM	8	4	18.91	18.90	18.89						
3	16QAM	8	7	18.84	18.79	18.84		20	0			
3	16QAM	15	0	18.85	18.93	18.97						
3	16QAM	15	8	18.93	18.89	18.84						
Channel												
Frequency (MHz)				26697	26665	27033	Time-up limit (dBm)	MPR (dB)				
				814.7	831.5	848.3						
1.4	QPSK	1	0	18.99	18.95	18.98	20	0				
1.4	QPSK	1	3	18.97	18.96	18.95						
1.4	QPSK	1	6	18.99	18.98	18.98						
1.4	QPSK	3	0	18.99	18.90	18.94	20	0				
1.4	QPSK	3	1	18.95	18.90	18.87						
1.4	QPSK	3	3	18.77	18.95	18.93						
1.4	QPSK	6	0	18.91	18.90	18.83	20	0				
1.4	16QAM	1	0	18.89	18.90	18.93						
1.4	16QAM	1	3	18.94	18.94	18.90						
1.4	16QAM	3	0	18.90	18.91	18.96	20	0				
1.4	16QAM	3	1	18.93	18.89	18.94						
1.4	16QAM	3	3	18.78	18.94	18.93						
1.4	16QAM	6	0	18.90	18.90	18.94	20	0				
1.4	16QAM	6	1	18.78	18.83	18.84						
1.4	16QAM	1	0	18.94	18.96	18.88		20	0			
1.4	16QAM	1	5	18.91	18.92	18.95						
1.4	16QAM	3	0	18.85	18.86	18.87	20	0				
1.4	16QAM	3	1	18.85	18.92	18.84						
1.4	16QAM	3	3	18.76	18.77	18.78						
1.4	16QAM	6	0	18.93	18.89	18.94	20	0				
1.4	16QAM	6	1	18.93	18.89	18.94						
1.4	16QAM	6	3	18.93	18.89	18.94						

Band 26_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F	Power Low Ch./F	Power Low Ch./F	Power Low Ch./F	Turn-on time (dB)	MPR (dB)
Channel				2615	2685	2695			
Frequency (MHz)				811.5	831.5	841.5			
15	QPSK	1	0	23.78	23.91	23.93			
15	QPSK	1	37	23.78	23.91	23.93		25	0
15	QPSK	1	74	23.78	23.91	23.98			
15	QPSK	36	0	22.93	22.93	22.93			
15	QPSK	36	20	22.92	22.78	22.89		24	1
15	QPSK	36	36	22.92	22.88	22.93			
15	QPSK	75	0	22.83	22.90	22.91			
15	16QAM	1	0	22.79	23.34	23.36			
15	16QAM	1	37	22.81	23.34	23.36		24	1
15	16QAM	1	74	22.88	23.46	23.49			
15	16QAM	36	0	21.68	21.68	21.69			
15	16QAM	36	20	22.00	21.62	21.79		23	2
15	16QAM	36	36	21.62	21.59	21.62			
15	16QAM	75	0	21.90	21.78	21.87			
15	64QAM	1	0	21.83	21.81	22.15			
15	64QAM	1	37	21.90	22.04	21.91		23	
15	64QAM	1	74	21.94	21.77	21.88			
15	64QAM	36	0	20.93	20.98	20.98			
15	64QAM	36	20	20.91	20.85	21.00		22	3
15	64QAM	36	36	20.83	20.80	20.82			
15	64QAM	75	0	20.82	20.75	20.87			
Channel				2616	2686	2696			
Frequency (MHz)				813	831.5	844			
15	QPSK	1	0	23.78	23.91	23.93			
15	QPSK	1	25	23.79	23.85	23.92		25	0
15	QPSK	1	49	23.71	23.63	23.76			
15	QPSK	25	0	22.74	22.76	22.69			
15	QPSK	25	12	22.74	22.71	22.69		24	1
15	QPSK	25	25	22.87	22.80	22.71			
15	QPSK	50	0	22.71	22.88	22.65			
15	16QAM	1	0	21.71	21.30	21.63			
15	16QAM	1	37	21.39	22.87	21.94		24	1
15	16QAM	1	49	22.83	23.37	23.87			
15	16QAM	25	0	21.73	21.77	21.74			
15	16QAM	25	12	21.98	21.67	21.67		23	2
15	16QAM	25	25	21.74	21.81	21.71			
15	16QAM	50	0	21.88	21.74	21.85			
15	64QAM	1	0	21.80	21.71	22.02			
15	64QAM	1	37	21.84	21.58	21.90		23	2
15	64QAM	1	49	22.01	21.75	21.86			
15	64QAM	25	0	20.85	20.87	20.85			
15	64QAM	25	12	20.85	20.80	20.85		22	3
15	64QAM	25	25	20.79	20.69	20.79			
15	64QAM	50	0	20.66	20.72	20.83			
Channel				2617.5	2686.5	2701.5			
Frequency (MHz)				813.5	831.5	847.5			
5	QPSK	1	0	24.64	24.79	24.98			
5	QPSK	1	12	23.66	23.67	23.64		25	0
5	QPSK	1	24	23.71	23.60	23.60			
5	QPSK	12	0	22.78	22.78	22.78			
5	QPSK	12	7	22.80	22.67	22.67		24	1
5	QPSK	12	13	22.78	22.72	22.68			
5	QPSK	25	0	22.76	22.86	22.87			
5	QPSK	25	12	22.76	22.81	22.81		24	1
5	16QAM	1	12	20.10	20.91	22.92			
5	16QAM	1	24	22.84	23.40	23.83			
5	16QAM	12	0	21.78	21.71	21.63		23	2
5	16QAM	12	7	21.95	21.69	21.65			
5	16QAM	12	13	21.70	21.81	21.70			
5	16QAM	25	0	21.76	21.76	21.80			
5	16QAM	25	12	21.72	21.74	21.74		23	2
5	64QAM	1	12	21.89	21.69	21.69			
5	64QAM	1	24	21.89	21.63	21.66		22	3
5	64QAM	12	0	21.82	20.90	20.95			
5	64QAM	12	7	20.75	20.70	20.88			
5	64QAM	12	13	20.69	20.72	20.89		22	3
5	64QAM	25	0	20.71	20.66	20.77			
Channel				811.5	831.5	847.5			
Frequency (MHz)				811.5	831.5	847.5			
3	QPSK	1	0	23.74	23.80	23.77			
3	QPSK	1	8	23.62	23.68	23.74		25	0
3	QPSK	1	16	23.60	23.62	23.68			
3	QPSK	8	0	22.82	22.75	22.73			
3	QPSK	8	4	22.72	22.70	22.70		24	
3	QPSK	8	7	22.73	22.80	22.70			
3	QPSK	15	0	22.77	22.80	22.84			
3	16QAM	1	0	20.76	20.94	23.29			
3	16QAM	1	8	23.17	22.83	22.83		24	1
3	16QAM	1	16	23.78	23.15	23.15			
3	16QAM	8	0	21.74	21.85	21.85			
3	16QAM	8	4	21.85	21.79	21.73		23	2
3	16QAM	8	7	21.76	21.88	21.73			
3	16QAM	15	0	21.88	21.82	21.82			
3	64QAM	1	0	21.79	21.77	22.05			
3	64QAM	1	8	21.75	21.96	21.71		23	2
3	64QAM	1	16	22.00	21.91	21.98			
3	64QAM	8	0	20.90	20.96	20.79			
3	64QAM	8	4	20.86	20.78	20.99		22	3
3	64QAM	8	7	20.75	20.63	20.85			
3	64QAM	15	0	20.79	20.62	20.82			
Channel				2699.7	2689.5	2703.3			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.42	23.43	23.32			
1.4	QPSK	1	8	23.39	23.41	23.32			
1.4	QPSK	1	9	23.32	23.25	23.23		25	0
1.4	QPSK	3	0	23.48	23.54	23.34			
1.4	QPSK	3	1	23.38	23.39	23.32			
1.4	QPSK	3	8	23.35	23.33	23.37			
1.4	QPSK	6	0	22.53	22.56	22.48		24	1
1.4	16QAM	1	0	22.59	22.52	22.58			
1.4	16QAM	1	8	22.58	22.48	22.47			
1.4	16QAM	1	9	22.47	22.44	22.45		24	1
1.4	16QAM	3	0	22.76	22.79	22.58			
1.4	16QAM	3	1	22.69	22.64	22.66			
1.4	16QAM	3	8	22.62	22.55	22.57			
1.4	64QAM	1	0	21.38	21.33	21.38		23	2
1.4	64QAM	1	8	21.57	21.42	21.37			
1.4	64QAM	1	9	21.46	21.38	21.37			
1.4	64QAM	1	9	21.57	21.45	21.40			
1.4	64QAM	3	0	21.67	21.56	21.49		23	2
1.4	64QAM	3	1	21.60	21.58	21.61			
1.4	64QAM	3	8	21.51	21.45	21.45			
1.4	64QAM	6	0	20.45	20.36	20.36		22	

Band 66_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132122	132172	20	0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	18.95	19.05	18.96	20	0	
20	QPSK	1	46	18.92	19.01	18.97			
20	QPSK	1	99	18.90	19.03	18.96			
20	QPSK	50	0	18.92	18.95	18.94			
20	QPSK	50	24	18.86	18.94	18.89			
20	QPSK	50	50	18.90	18.92	18.91			
20	QPSK	100	0	18.82	18.89	18.88	20	0	
20	16QAM	1	0	18.87	18.91	18.84			
20	16QAM	1	46	18.90	18.95	18.88			
20	16QAM	1	99	18.85	18.91	18.92			
20	16QAM	50	0	18.89	18.89	18.96			
20	16QAM	50	24	18.89	18.86	18.84			
20	16QAM	50	50	18.85	18.86	18.89	20	0	
20	16QAM	100	0	18.82	18.86	18.87			
20	64QAM	1	0	18.90	18.86	18.87			
20	64QAM	1	46	18.83	18.90	18.85			
20	64QAM	1	99	18.90	18.84	18.88			
20	64QAM	50	0	18.88	18.87	18.90			
20	64QAM	50	24	18.87	18.85	18.88	20	0	
20	64QAM	50	50	18.82	18.89	18.86			
20	64QAM	100	0	18.83	18.84	18.85			
Channel				132047	132122	132567	20	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	18.98	18.98	18.93	20	0	
15	QPSK	1	37	18.93	18.91	18.92			
15	QPSK	1	74	18.95	19.00	18.96			
15	QPSK	36	0	18.87	18.86	18.82			
15	QPSK	36	20	18.91	18.89	18.85			
15	QPSK	36	39	18.88	18.91	18.90			
15	QPSK	75	0	18.79	18.82	18.84	20	0	
15	16QAM	1	0	18.89	18.89	18.91			
15	16QAM	1	37	18.88	18.87	18.93			
15	16QAM	1	74	18.86	18.84	18.82			
15	16QAM	36	0	18.80	18.85	18.86			
15	16QAM	36	20	18.75	18.75	18.79			
15	16QAM	36	39	18.77	18.78	18.84	20	0	
15	16QAM	75	0	18.83	18.82	18.79			
15	64QAM	1	0	18.83	18.75	18.76			
15	64QAM	1	37	18.82	18.81	18.80			
15	64QAM	1	74	18.90	18.90	18.88			
15	64QAM	36	0	18.82	18.77	18.76			
15	64QAM	36	20	18.91	18.90	18.84	20	0	
15	64QAM	36	39	18.83	18.75	18.83			
15	64QAM	75	0	18.85	18.83	18.91			
Channel				132022	132122	132622	20	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	18.95	19.03	18.98	20	0	
10	QPSK	1	25	18.97	18.97	18.98			
10	QPSK	1	49	19.01	18.97	18.93			
10	QPSK	25	0	18.89	18.89	18.83			
10	QPSK	25	12	18.87	18.90	18.89			
10	QPSK	25	25	18.86	18.90	18.88			
10	QPSK	50	0	18.85	18.89	18.84	20	0	
10	16QAM	1	0	18.89	18.82	18.82			
10	16QAM	1	25	18.87	18.86	18.89			
10	16QAM	1	49	18.87	18.89	18.84			
10	16QAM	25	0	18.80	18.85	18.79			
10	16QAM	25	12	18.81	18.86	18.78			
10	16QAM	25	25	18.83	18.82	18.81	20	0	
10	16QAM	50	0	18.77	18.77	18.77			
10	16QAM	1	0	18.84	18.75	18.82			
10	64QAM	1	25	18.85	18.86	18.87			
10	64QAM	1	49	18.87	18.85	18.86			
10	64QAM	25	0	18.82	18.81	18.76			
10	64QAM	25	12	18.87	18.91	18.91	20	0	
10	64QAM	25	25	18.83	18.85	18.87			
10	64QAM	50	0	18.83	18.85	18.84			
Channel				131987	132122	132647	20	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	18.91	18.97	19.00	20	0	
5	QPSK	1	12	18.91	19.00	18.99			
5	QPSK	1	24	18.96	18.94	18.94			
5	QPSK	12	0	18.90	18.89	18.89			
5	QPSK	12	7	18.86	18.90	18.86			
5	QPSK	12	13	18.86	18.85	18.90			
5	QPSK	25	0	18.82	18.75	18.88	20	0	
5	16QAM	1	0	18.87	18.89	18.87			
5	16QAM	1	12	18.88	18.85	18.98			
5	16QAM	1	24	18.90	18.89	18.84			
5	16QAM	12	0	18.85	18.79	18.88			
5	16QAM	12	7	18.83	18.80	18.79			
5	16QAM	12	13	18.79	18.77	18.85	20	0	
5	16QAM	25	0	18.81	18.84	18.78			
5	64QAM	1	0	18.84	18.85	18.77			
5	64QAM	1	12	18.84	18.89	18.81			
5	64QAM	1	24	18.87	18.89	18.86			
5	64QAM	12	0	18.78	18.79	18.77			
5	64QAM	12	7	18.93	18.87	18.90	20	0	
5	64QAM	12	13	18.87	18.87	18.83			
5	64QAM	25	0	18.89	18.90	18.83			
Channel				131987	132122	132657	20	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	19.01	18.95	19.01	20	0	
3	QPSK	1	8	18.93	18.96	18.95			
3	QPSK	1	14	18.96	18.96	18.95			
3	QPSK	8	0	18.95	18.90	18.90			
3	QPSK	8	4	18.91	18.85	18.88			
3	QPSK	8	7	18.89	18.89	18.86			
3	QPSK	15	0	18.79	18.82	18.82	20	0	
3	16QAM	1	0	18.82	18.89	18.89			
3	16QAM	1	8	18.91	18.94	18.90			
3	16QAM	1	14	18.88	18.90	18.87			
3	16QAM	8	0	18.87	18.86	18.83			
3	16QAM	8	4	18.78	18.81	18.83			
3	16QAM	8	7	18.85	18.83	18.80	20	0	
3	16QAM	15	0	18.78	18.83	18.76			
3	64QAM	1	0	18.77	18.82	18.76			
3	64QAM	1	8	18.88	18.85	18.87			
3	64QAM	1	14	18.89	18.89	18.87			
3	64QAM	8	0	18.79	18.80	18.86			
3	64QAM	8	4	18.91	18.88	18.92	20	0	
3	64QAM	8	7	18.86	18.87	18.78			
3	64QAM	15	0	18.91	18.86	18.88			
Channel				131979	132122	132665	20	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	19.04	18.98	19.00	20	0	
1.4	QPSK	1	3	18.96	18.92	18.95			
1.4	QPSK	1	5	18.93	18.97	18.97			
1.4	QPSK	3	0	18.90	18.91	18.95			
1.4	QPSK	3	1	18.85	18.88	18.91			
1.4	QPSK	3	3	18.83	18.87	18.91			
1.4	QPSK	6	0	18.80	18.82	18.79	20	0	
1.4	16QAM	1	0	18.82	18.87	18.81			
1.4	16QAM	1	3	18.91	18.93	18.95			
1.4	16QAM	1	5	18.91	18.83	18.88			
1.4	16QAM	3	0	18.80	18.78	18.83			
1.4	16QAM	3	1	18.87	18.82	18.83			
1.4	16QAM	3	3	18.78	18.84	18.83	20	0	
1.4	16QAM	6	0	18.77	18.78	18.83			
1.4	16QAM	6	1	18.77	18.85	18.78			
1.4	64QAM	1	0	18.83	18.83	18.88	20	0	
1.4	64QAM	1	3	18.83	18.88	18.88			
1.4	64QAM	1	5	18.91	18.91	18.91			
1.4	64QAM	3	0	18.86	18.79	18.82			
1.4	64QAM	3	1	18.85	18.94	18.86			
1.4	64QAM	3	3	18.86	18.90	18.86			

Band 38_Ant 13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	15.40	15.43	15.33	16.5	0				
20	QPSK	1	49	15.42	15.52	15.33						
20	QPSK	1	99	15.42	15.49	15.41						
20	QPSK	50	0	15.44	15.46	15.37						
20	QPSK	50	24	15.43	15.45	15.36						
20	QPSK	50	50	15.36	15.45	15.29	16.5	0				
20	QPSK	100	0	15.34	15.45	15.36						
20	16QAM	1	0	15.37	15.41	15.29						
20	16QAM	1	49	15.39	15.43	15.36						
20	16QAM	1	99	15.40	15.37	15.30						
20	16QAM	50	0	15.37	15.39	15.27	16.5	0				
20	16QAM	50	24	15.34	15.45	15.30						
20	16QAM	50	50	15.41	15.44	15.29						
20	16QAM	100	0	15.36	15.42	15.33						
20	64QAM	1	0	15.41	15.36	15.32						
20	64QAM	1	49	15.41	15.41	15.34	16.5	0				
20	64QAM	1	99	15.40	15.37	15.33						
20	64QAM	50	0	15.43	15.37	15.33						
20	64QAM	50	24	15.36	15.36	15.27						
20	64QAM	50	50	15.34	15.40	15.32						
20	64QAM	100	0	15.38	15.39	15.32	16.5	0				
Channel												
Frequency (MHz)				2572.5 <th>2585<th>2617.5</th><td>Time-up limit (dBm)</td><td>MPR (dB)</td><td></td></th>	2585 <th>2617.5</th> <td>Time-up limit (dBm)</td> <td>MPR (dB)</td> <td></td>	2617.5				Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.48	15.48	15.50	16.5	0				
15	QPSK	1	37	15.48	15.48	15.50						
15	QPSK	1	74	15.40	15.46	15.42						
15	QPSK	36	0	15.42	15.37	15.45						
15	QPSK	36	20	15.35	15.41	15.39						
15	QPSK	36	39	15.39	15.36	15.36	16.5	0				
15	QPSK	75	0	15.43	15.42	15.36						
15	16QAM	1	0	15.31	15.34	15.32						
15	16QAM	1	37	15.39	15.36	15.33						
15	16QAM	1	74	15.36	15.27	15.32						
15	16QAM	36	0	15.30	15.30	15.36	16.5	0				
15	16QAM	36	20	15.44	15.41	15.41						
15	16QAM	36	39	15.43	15.34	15.40						
15	16QAM	75	0	15.34	15.36	15.33						
15	64QAM	1	0	15.30	15.32	15.32						
15	64QAM	1	37	15.34	15.36	15.36	16.5	0				
15	64QAM	1	74	15.34	15.34	15.36						
15	64QAM	36	0	15.35	15.27	15.29						
15	64QAM	36	20	15.35	15.29	15.27						
15	64QAM	36	39	15.30	15.33	15.32						
15	64QAM	75	0	15.34	15.31	15.37	16.5	0				
Channel												
Frequency (MHz)				2570 <th>2600<th>2615</th><td>Time-up limit (dBm)</td><td>MPR (dB)</td><td></td></th>	2600 <th>2615</th> <td>Time-up limit (dBm)</td> <td>MPR (dB)</td> <td></td>	2615				Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.46	15.49	15.47	16.5	0				
10	QPSK	1	25	15.50	15.43	15.47						
10	QPSK	1	49	15.48	15.41	15.42						
10	QPSK	25	0	15.38	15.37	15.42						
10	QPSK	25	12	15.37	15.37	15.35						
10	QPSK	25	25	15.44	15.41	15.42	16.5	0				
10	QPSK	50	0	15.36	15.35	15.36						
10	16QAM	1	0	15.38	15.39	15.39						
10	16QAM	1	25	15.40	15.37	15.39						
10	16QAM	1	49	15.30	15.35	15.33						
10	16QAM	25	0	15.30	15.33	15.30	16.5	0				
10	16QAM	25	12	15.35	15.38	15.42						
10	16QAM	25	25	15.43	15.42	15.37						
10	16QAM	50	0	15.40	15.35	15.39						
10	64QAM	1	0	15.32	15.30	15.30						
10	64QAM	1	25	15.40	15.32	15.37	16.5	0				
10	64QAM	1	49	15.36	15.36	15.35						
10	64QAM	25	0	15.34	15.32	15.31						
10	64QAM	25	12	15.29	15.35	15.33						
10	64QAM	25	25	15.33	15.39	15.35						
10	64QAM	50	0	15.36	15.29	15.31	16.5	0				
Channel												
Frequency (MHz)				2577.5 <th>2600<th>2622.5</th><td>Time-up limit (dBm)</td><td>MPR (dB)</td><td></td></th>	2600 <th>2622.5</th> <td>Time-up limit (dBm)</td> <td>MPR (dB)</td> <td></td>	2622.5				Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.48	15.46	15.47	16.5	0				
5	QPSK	1	12	15.43	15.47	15.48						
5	QPSK	1	24	15.41	15.42	15.39						
5	QPSK	12	0	15.41	15.42	15.40						
5	QPSK	12	7	15.42	15.44	15.44						
5	QPSK	12	13	15.36	15.42	15.37	16.5	0				
5	QPSK	25	0	15.37	15.38	15.42						
5	16QAM	1	0	15.32	15.35	15.39						
5	16QAM	1	12	15.42	15.38	15.35						
5	16QAM	1	24	15.34	15.27	15.27						
5	16QAM	12	0	15.34	15.33	15.36	16.5	0				
5	16QAM	12	7	15.37	15.43	15.39						
5	16QAM	12	13	15.35	15.39	15.39						
5	16QAM	25	0	15.34	15.35	15.33						
5	64QAM	1	0	15.30	15.33	15.26						
5	64QAM	1	12	15.40	15.37	15.32	16.5	0				
5	64QAM	1	24	15.34	15.36	15.33						
5	64QAM	12	0	15.33	15.30	15.31						
5	64QAM	12	7	15.26	15.30	15.33						
5	64QAM	12	13	15.31	15.32	15.35						
5	64QAM	25	0	15.36	15.30	15.33	16.5	0				

Band 38_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.49	23.65	23.57	24.5	0	
20	QPSK	1	49	23.43	23.46	23.57			
20	QPSK	1	99	23.44	23.56	23.52			
20	QPSK	50	0	22.70	22.79	22.73	23.5	1	
20	QPSK	50	24	22.66	22.62	22.62			
20	QPSK	100	0	22.71	22.77	22.52			
20	16QAM	1	0	22.71	22.42	22.43	23.5	1	
20	16QAM	1	49	22.85	22.81	22.70			
20	16QAM	1	99	22.54	23.03	22.84			
20	16QAM	50	0	21.57	21.48	21.43	22.5	2	
20	16QAM	50	24	21.80	21.61	21.70			
20	16QAM	50	50	21.72	21.74	21.73			
20	16QAM	100	0	21.65	21.62	21.62	22.5	2	
20	64QAM	1	0	21.82	22.01	21.13			
20	64QAM	1	49	21.52	21.87	21.65			
20	64QAM	1	99	21.60	21.72	21.52	21.5	3	
20	64QAM	50	0	20.57	20.52	20.55			
20	64QAM	50	24	20.67	20.58	20.69			
20	64QAM	50	50	20.76	20.84	20.71	24.5	0	
20	64QAM	100	0	20.76	20.60	20.49			
Channel									
Frequency (MHz)				37625 <th>38000<th>38175<th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38175<th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38175 <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.37	23.50	23.56	24.5	0	
15	QPSK	1	37	23.30	23.31	23.56			
15	QPSK	1	74	23.30	23.47	23.43			
15	QPSK	36	0	22.54	22.66	22.63	23.5	1	
15	QPSK	36	20	22.52	22.51	22.61			
15	QPSK	36	39	22.49	22.54	22.52			
15	QPSK	75	0	22.60	22.63	22.46	23.5	1	
15	16QAM	1	0	22.57	22.30	22.32			
15	16QAM	1	37	22.83	22.72	22.83			
15	16QAM	1	74	22.47	22.87	22.83	22.5	2	
15	16QAM	36	0	21.47	21.45	21.35			
15	16QAM	36	20	21.74	21.54	21.65			
15	16QAM	36	39	21.63	21.73	21.65	21.5	3	
15	16QAM	75	0	21.58	21.58	21.61			
15	64QAM	1	0	21.67	21.53	21.69			
15	64QAM	1	37	21.76	21.66	21.59	22.5	2	
15	64QAM	1	74	21.59	21.67	21.42			
15	64QAM	36	0	20.48	20.47	20.42			
15	64QAM	36	20	20.59	20.53	20.58	24.5	0	
15	64QAM	36	39	20.71	20.69	20.66			
15	64QAM	75	0	20.66	20.50	20.40			
Channel									
Frequency (MHz)				37575 <th>38000<th>38225<th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38225<th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38225 <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.46	23.63	23.53	24.5	0	
10	QPSK	1	25	23.28	23.34	23.52			
10	QPSK	1	49	23.28	23.43	23.54			
10	QPSK	25	0	22.66	22.73	22.64	23.5	1	
10	QPSK	12	23	22.62	22.65	22.58			
10	QPSK	25	25	22.63	22.47	22.50			
10	QPSK	50	0	22.70	22.64	22.42	23.5	1	
10	16QAM	1	0	22.68	22.33	22.38			
10	16QAM	1	25	22.72	22.72	22.60			
10	16QAM	1	49	22.49	22.49	22.74	22.5	2	
10	16QAM	25	0	21.42	21.32	21.28			
10	16QAM	25	12	21.71	21.50	21.64			
10	16QAM	25	25	21.64	21.68	21.21	21.5	3	
10	16QAM	50	0	21.64	21.51	21.52			
10	64QAM	1	0	21.66	21.66	21.08			
10	64QAM	1	25	21.37	21.78	21.51	24.5	0	
10	64QAM	1	49	21.59	21.66	21.44			
10	64QAM	25	0	20.48	20.50	20.42			
10	64QAM	25	12	20.52	20.51	20.62	23.5	1	
10	64QAM	25	25	20.60	20.50	20.60			
10	64QAM	50	0	20.71	20.52	20.38			
Channel									
Frequency (MHz)				37775 <th>38000<th>38225<th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38225<th>Time-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38225 <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.33	23.55	23.48	24.5	0	
5	QPSK	1	12	23.30	23.37	23.41			
5	QPSK	1	24	23.31	23.52	23.42			
5	QPSK	12	0	22.62	22.65	22.58	23.5	1	
5	QPSK	12	7	22.63	22.46	22.58			
5	QPSK	12	13	22.60	22.49	22.48			
5	QPSK	25	0	22.67	22.61	22.42	23.5	1	
5	16QAM	1	0	22.57	22.28	22.30			
5	16QAM	1	12	22.49	22.65	22.57			
5	16QAM	1	24	22.45	22.87	22.74	22.5	2	
5	16QAM	12	0	21.56	21.41	21.35			
5	16QAM	12	7	21.77	21.55	21.61			
5	16QAM	12	13	21.65	21.63	21.59	21.5	3	
5	16QAM	25	0	21.07	21.07	21.48			
5	64QAM	1	0	21.07	21.97	21.03			
5	64QAM	1	12	21.42	21.83	21.33	24.5	0	
5	64QAM	1	24	21.57	21.65	21.51			
5	64QAM	12	0	20.52	20.46	20.51			
5	64QAM	12	7	20.58	20.58	20.53	23.5	1	
5	64QAM	12	13	20.77	20.82	20.70			
5	64QAM	25	0	20.75	20.58	20.34			



Band 41_Ant 13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				39750	40185	40620	41055	41490				
20	QPSK	1	0	2504	2548.5	2593	2638.5	2683	16.5	0		
20	QPSK	1	49	15.77	15.74	15.73	15.66	15.69				
20	QPSK	1	99	15.75	15.70	15.75	15.65	15.65				
20	QPSK	50	0	15.67	15.65	15.73	15.59	15.62				
20	QPSK	50	24	15.59	15.63	15.67	15.56	15.52				
20	QPSK	50	50	15.66	15.58	15.66	15.54	15.59	16.5	0		
20	QPSK	100	0	15.59	15.60	15.70	15.50	15.56				
20	16QAM	1	0	15.62	15.55	15.63	15.58	15.54				
20	16QAM	1	49	15.60	15.60	15.70	15.56	15.56				
20	16QAM	1	99	15.66	15.59	15.67	15.50	15.61				
20	16QAM	50	0	15.59	15.52	15.66	15.54	15.59	16.5	0		
20	16QAM	50	24	15.58	15.60	15.70	15.51	15.52				
20	16QAM	50	50	15.63	15.59	15.69	15.55	15.55				
20	16QAM	100	0	15.65	15.63	15.63	15.50	15.58				
20	64QAM	1	0	15.62	15.58	15.63	15.53	15.55				
20	64QAM	1	49	15.57	15.64	15.64	15.56	15.60	16.5	0		
20	64QAM	1	99	15.58	15.62	15.72	15.53	15.55				
20	64QAM	50	0	15.62	15.57	15.70	15.57	15.61				
20	64QAM	50	24	15.61	15.63	15.72	15.55	15.52				
20	64QAM	50	50	15.63	15.57	15.67	15.55	15.52				
20	64QAM	100	0	15.62	15.57	15.72	15.58	15.52	16.5	0		
Channel												
Frequency (MHz)				2603.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	15.71	15.75	15.69	15.71	15.71	16.5	0		
15	QPSK	1	37	15.71	15.69	15.70	15.69	15.67				
15	QPSK	1	74	15.70	15.69	15.66	15.73	15.66				
15	QPSK	36	0	15.66	15.71	15.64	15.71	15.68				
15	QPSK	36	20	15.62	15.61	15.62	15.63	15.58				
15	QPSK	36	39	15.64	15.60	15.56	15.62	15.64	16.5	0		
15	QPSK	75	0	15.69	15.61	15.63	15.67	15.68				
15	16QAM	1	0	15.62	15.59	15.54	15.57	15.62				
15	16QAM	1	37	15.66	15.60	15.63	15.57	15.65				
15	16QAM	1	74	15.61	15.58	15.60	15.57	15.62				
15	16QAM	36	0	15.63	15.65	15.60	15.65	15.57	16.5	0		
15	16QAM	36	20	15.66	15.69	15.65	15.68	15.67				
15	16QAM	36	39	15.60	15.60	15.60	15.63	15.62				
15	16QAM	75	0	15.58	15.61	15.58	15.60	15.60				
15	64QAM	1	0	15.53	15.55	15.53	15.55	15.59				
15	64QAM	1	37	15.62	15.59	15.54	15.63	15.60	16.5	0		
15	64QAM	1	74	15.68	15.62	15.69	15.64	15.65				
15	64QAM	36	0	15.67	15.67	15.60	15.61	15.66				
15	64QAM	36	20	15.70	15.62	15.62	15.71	15.64				
15	64QAM	36	39	15.60	15.63	15.63	15.63	15.66				
15	64QAM	75	0	15.64	15.63	15.66	15.65	15.63	16.5	0		
Channel												
Frequency (MHz)				39700	40160	40620	41080	41540				
10	QPSK	1	0	2501	2547	2593	2639	2685	16.5	0		
10	QPSK	1	0	15.74	15.75	15.73	15.75	15.75				
10	QPSK	1	25	15.73	15.72	15.70	15.72	15.71				
10	QPSK	1	49	15.69	15.66	15.73	15.68	15.65				
10	QPSK	25	0	15.70	15.69	15.65	15.71	15.68				
10	QPSK	25	12	15.57	15.65	15.65	15.59	15.59	16.5	0		
10	QPSK	25	25	15.59	15.63	15.56	15.62	15.65				
10	QPSK	50	0	15.61	15.60	15.65	15.63	15.61				
10	16QAM	1	0	15.61	15.59	15.57	15.54	15.60				
10	16QAM	1	25	15.61	15.63	15.65	15.62	15.61				
10	16QAM	1	49	15.57	15.57	15.61	15.57	15.63	16.5	0		
10	16QAM	25	0	15.58	15.59	15.59	15.64	15.61				
10	16QAM	25	12	15.65	15.62	15.69	15.66	15.63				
10	16QAM	25	25	15.67	15.62	15.62	15.64	15.68				
10	16QAM	50	0	15.59	15.57	15.62	15.56	15.62				
10	64QAM	1	0	15.60	15.58	15.59	15.58	15.60	16.5	0		
10	64QAM	1	25	15.55	15.61	15.61	15.56	15.57				
10	64QAM	1	49	15.69	15.71	15.69	15.69	15.69				
10	64QAM	25	0	15.64	15.69	15.67	15.69	15.69				
10	64QAM	25	12	15.69	15.70	15.62	15.62	15.70				
10	64QAM	25	25	15.57	15.61	15.62	15.61	15.64	16.5	0		
10	64QAM	50	0	15.66	15.67	15.67	15.62	15.62				
Channel												
Frequency (MHz)				39675	40148	40620	41093	41565				
5	QPSK	1	0	2498.5	2545.8	2593	2640.30	2687.5			16.5	0
5	QPSK	1	12	15.77	15.71	15.77	15.77	15.71				
5	QPSK	1	12	15.70	15.66	15.70	15.72	15.69				
5	QPSK	1	24	15.66	15.74	15.68	15.73	15.65				
5	QPSK	12	0	15.67	15.72	15.68	15.65	15.65				
5	QPSK	12	7	15.63	15.60	15.58	15.61	15.62	16.5	0		
5	QPSK	12	13	15.62	15.65	15.56	15.60	15.65				
5	QPSK	25	0	15.60	15.63	15.61	15.65	15.65				
5	16QAM	1	0	15.56	15.56	15.62	15.59	15.61				
5	16QAM	1	12	15.62	15.62	15.61	15.69	15.65				
5	16QAM	1	24	15.62	15.62	15.60	15.66	15.60	16.5	0		
5	16QAM	12	0	15.58	15.61	15.58	15.61	15.63				
5	16QAM	12	7	15.68	15.61	15.60	15.64	15.66				
5	16QAM	12	13	15.63	15.67	15.66	15.66	15.62				
5	16QAM	25	0	15.61	15.53	15.58	15.54	15.58				
5	64QAM	1	0	15.60	15.58	15.57	15.55	15.58	16.5	0		
5	64QAM	1	12	15.61	15.57	15.59	15.56	15.60				
5	64QAM	1	24	15.64	15.68	15.68	15.64	15.62				
5	64QAM	12	0	15.66	15.64	15.69	15.66	15.68				
5	64QAM	12	7	15.70	15.65	15.65	15.69	15.69				
5	64QAM	12	13	15.60	15.64	15.63	15.64	15.60	16.5	0		
5	64QAM	25	0	15.67	15.63	15.71	15.71	15.69				

Band 41_Ant 31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	23.19	23.46	23.72	23.50	23.81	24.5	0
20	QPSK	1	49	23.19	23.40	23.55	23.48	23.49		
20	QPSK	1	99	23.22	23.32	23.45	23.38	23.56		
20	QPSK	50	0	22.60	22.66	22.70	22.57	22.66		
20	QPSK	50	24	22.55	22.58	22.59	22.54	22.51		
20	QPSK	50	50	22.59	22.62	22.59	22.55	22.65	23.5	1
20	QPSK	100	0	22.47	22.61	22.69	22.45	22.52		
20	16QAM	1	0	22.06	22.54	22.51	22.26	22.48		
20	16QAM	1	49	22.31	22.63	22.56	22.37	22.23		
20	16QAM	1	99	22.31	22.33	22.86	22.42	22.55		
20	16QAM	50	0	21.41	21.52	21.59	21.55	21.60	22.5	2
20	16QAM	50	24	21.50	21.62	21.56	21.54	21.58		
20	16QAM	50	50	21.51	21.46	21.69	21.52	21.67		
20	16QAM	100	0	21.51	21.48	21.63	21.31	21.54		
20	64QAM	1	0	21.27	21.57	21.35	21.88	21.35		
20	64QAM	1	49	21.45	21.50	21.43	21.51	21.30	22.5	2
20	64QAM	1	99	21.09	21.51	21.78	21.34	21.72		
20	64QAM	50	0	20.48	20.53	20.44	20.41	20.54		
20	64QAM	50	24	20.50	20.60	20.58	20.49	20.55		
20	64QAM	50	50	20.41	20.50	20.83	20.63	20.71		
20	64QAM	100	0	20.46	20.56	20.58	20.50	20.61		
Channel										
Frequency (MHz)				39675	40110	40545	40980	41415	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.15	23.37	23.67	23.35	23.62	24.5	0
15	QPSK	1	37	23.15	23.24	23.48	23.33	23.41		
15	QPSK	1	74	23.07	23.30	23.42	23.27	23.48		
15	QPSK	36	0	22.57	22.63	22.63	22.41	22.63		
15	QPSK	36	20	22.44	22.54	22.54	22.44	22.44		
15	QPSK	36	39	22.51	22.59	22.55	22.39	22.53		
15	QPSK	75	0	22.37	22.51	22.55	22.38	22.39		
15	16QAM	1	0	22.01	22.49	22.48	22.21	22.39		
15	16QAM	1	37	22.18	22.48	22.54	22.31	22.43		
15	16QAM	1	74	22.17	22.36	22.06	22.37	22.14		
15	16QAM	36	0	21.28	21.51	21.54	21.42	21.59		
15	16QAM	36	20	21.44	21.58	21.54	21.42	21.42		
15	16QAM	36	39	21.37	21.40	21.63	21.47	21.65		
15	16QAM	75	0	21.46	21.46	21.48	21.18	21.46		
15	64QAM	1	0	21.16	21.43	21.46	21.41	21.34		
15	64QAM	1	37	21.35	21.33	21.37	21.43	21.28		
15	64QAM	1	74	20.98	21.37	21.72	21.22	21.62		
15	64QAM	36	0	20.37	20.37	20.40	20.34	20.38		
15	64QAM	36	20	20.43	20.47	20.48	20.34	20.49		
15	64QAM	36	39	20.27	20.38	20.80	20.54	20.67		
15	64QAM	75	0	20.34	20.51	20.45	20.57			
Channel										
Frequency (MHz)				39700	40160	40620	41080	41450	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	23.18	23.33	23.56	23.45	23.52	24.5	0
10	QPSK	1	25	23.16	23.25	23.44	23.33	23.36		
10	QPSK	1	49	23.16	23.29	23.41	23.24	23.35		
10	QPSK	25	0	22.46	22.52	22.52	22.46	22.57		
10	QPSK	25	12	22.53	22.48	22.53	22.39	22.47		
10	QPSK	25	25	22.55	22.48	22.50	22.40	22.63		
10	QPSK	50	0	22.33	22.48	22.54	22.39	22.36		
10	16QAM	1	0	21.97	22.45	22.49	22.21	22.39		
10	16QAM	1	25	22.19	22.54	22.52	22.26	22.39		
10	16QAM	1	49	22.15	22.19	21.54	21.38	21.46		
10	16QAM	25	0	21.27	21.40	21.52	21.54	21.57		
10	16QAM	25	12	21.36	21.48	21.45	21.43	21.56		
10	16QAM	25	25	21.46	21.32	21.68	21.46	21.64		
10	16QAM	50	0	21.46	21.36	21.68	21.39	21.50		
10	64QAM	1	0	21.11	21.56	21.31	21.74	21.30		
10	64QAM	1	25	21.39	21.48	21.38	21.38	21.20		
10	64QAM	1	49	20.98	21.48	21.66	21.20	21.69		
10	64QAM	25	0	20.40	20.41	20.29	20.33	20.49		
10	64QAM	25	12	20.41	20.50	20.56	20.34	20.54		
10	64QAM	25	25	20.46	20.46	20.46	20.67			
10	64QAM	50	0	20.40	20.40	20.45	20.35	20.48		
Channel										
Frequency (MHz)				24885	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.16	23.44	23.59	23.40	23.48	24.5	0
5	QPSK	1	12	23.16	23.37	23.51	23.43	23.48		
5	QPSK	1	24	23.20	23.21	23.51	23.43	23.48		
5	QPSK	12	0	22.50	22.64	22.65	22.56	22.60		
5	QPSK	12	7	22.50	22.44	22.54	22.48	22.39		
5	QPSK	12	13	22.48	22.61	22.52	22.49	22.56		
5	QPSK	25	0	22.40	22.51	22.62	22.43	22.45		
5	16QAM	1	0	21.99	22.42	22.43	22.25	22.38		
5	16QAM	1	12	22.29	22.29	22.43	22.43	22.19		
5	16QAM	1	24	22.23	22.31	22.74	22.35	22.42		
5	16QAM	12	0	21.26	21.41	21.48	21.53	21.57		
5	16QAM	12	7	21.34	21.46	21.43	21.40	21.46		
5	16QAM	12	13	21.40	21.42	21.63	21.41	21.54		
5	16QAM	25	0	21.46	21.34	21.34	21.44			
5	64QAM	1	0	21.23	21.56	21.29	21.75	21.32		
5	64QAM	1	12	21.37	21.39	21.37	21.36	21.21		
5	64QAM	1	24	20.96	21.37	21.69	21.27	21.67		
5	64QAM	12	0	20.36	20.51	20.32	20.34	20.52		
5	64QAM	12	7	20.37	20.47	20.47	20.48			
5	64QAM	12	13	20.27	20.47	20.77	20.49	20.66		
5	64QAM	25	0	20.33	20.41	20.22	20.49	20.46		

Reduced Power Mode for DSI4

GSM850_Ant 13		Burst Average Power (dBm)		Tune-up		Frame Average Power (dBm)		Tune-up	
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		32.65	32.92	32.78	33.50	23.65	23.92	23.78	24.50
GPRS/EDGE GMSK 1 Tx slot		32.63	32.90	32.74	33.50	23.63	23.90	23.74	24.50
GPRS/EDGE GMSK 2 Tx slots		30.33	30.53	30.45	31.50	24.33	24.53	24.45	25.50
GPRS/EDGE GMSK 3 Tx slots		28.36	28.69	28.01	29.50	24.10	24.63	23.75	25.24
GPRS/EDGE GMSK 4 Tx slots		27.17	27.40	27.22	28.00	24.17	24.40	24.22	25.00
EDGE BPSK 1 Tx slot		26.86	26.79	26.80	28.00	17.86	17.79	17.80	19.00
EDGE BPSK 2 Tx slots		25.12	25.01	25.02	26.00	18.12	19.01	19.02	20.00
EDGE BPSK 3 Tx slots		22.97	23.01	23.05	24.00	18.71	18.75	18.79	19.74
EDGE BPSK 4 Tx slots		21.52	21.56	21.63	22.50	18.52	18.56	18.63	19.50

GSM1900_Ant 13		Burst Average Power (dBm)		Tune-up		Frame Average Power (dBm)		Tune-up	
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8	(dBm)
GSM 1 Tx slot		29.81	29.86	29.86	30.50	20.83	20.86	20.86	21.50
GPRS/EDGE GMSK 1 Tx slot		29.81	29.85	29.84	30.50	20.81	20.85	20.84	21.50
GPRS/EDGE GMSK 2 Tx slots		27.68	27.73	27.61	28.50	21.68	21.73	21.61	22.50
GPRS/EDGE GMSK 3 Tx slots		25.53	25.64	25.74	26.50	21.27	21.38	21.48	22.24
GPRS/EDGE GMSK 4 Tx slots		24.46	24.49	24.38	25.00	21.46	21.49	21.38	22.00
EDGE BPSK 1 Tx slot		26.12	26.39	26.01	27.00	17.12	17.39	17.01	18.00
EDGE BPSK 2 Tx slots		24.30	24.24	24.36	25.00	18.30	18.24	18.36	19.00
EDGE BPSK 3 Tx slots		22.37	22.31	22.30	23.00	18.11	18.05	18.04	18.74
EDGE BPSK 4 Tx slots		20.56	20.51	20.52	21.50	17.56	17.51	17.52	18.50

Band		WCDMA V_Ant 13		Tune-up		WCDMA V_Ant 31		Tune-up	
TX Channel		5262	9400	9538	Limit	5262	9400	9538	Limit
Rx Channel		9662	9800	9938	(dBm)	9662	9800	9938	(dBm)
Frequency (MHz)		1852.4	1880	1907.6	(dBm)	1852.4	1880	1907.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps		23.88	23.90	23.86	24.50	20.40	20.42	20.36	21.00
3GPP Rel 99 RMC 12.2Kbps		23.90	23.91	23.89	24.50	20.41	20.44	20.39	21.00
3GPP Rel 6 HSDPA Subtest-1		22.96	22.88	22.88	24.00	19.33	19.35	19.28	20.50
3GPP Rel 6 HSDPA Subtest-2		22.93	22.92	22.88	24.00	19.43	19.37	19.33	20.50
3GPP Rel 6 HSDPA Subtest-3		22.49	22.38	22.38	23.50	18.87	18.76	18.90	20.00
3GPP Rel 6 HSDPA Subtest-4		22.49	22.37	22.41	23.50	18.90	18.81	18.90	20.00
3GPP Rel 6 DC-HSDPA Subtest-1		22.80	22.72	22.76	24.00	19.36	19.28	19.19	20.50
3GPP Rel 6 DC-HSDPA Subtest-2		22.90	22.76	22.73	24.00	19.34	19.27	19.26	20.50
3GPP Rel 6 DC-HSDPA Subtest-3		22.44	22.35	22.23	23.50	18.71	18.64	18.73	20.00
3GPP Rel 6 DC-HSDPA Subtest-4		22.34	22.25	22.35	23.50	18.94	18.75	18.76	20.00
3GPP Rel 6 HSUPA Subtest-1		22.93	22.90	22.86	24.00	19.40	19.41	19.36	20.50
3GPP Rel 6 HSUPA Subtest-2		20.97	20.86	21.01	22.00	17.36	17.40	17.36	18.50
3GPP Rel 6 HSUPA Subtest-3		21.86	21.96	21.92	23.00	18.29	18.33	18.33	19.50
3GPP Rel 6 HSUPA Subtest-4		20.95	20.97	20.91	22.00	17.32	17.34	17.29	18.50
3GPP Rel 6 HSUPA Subtest-5		22.90	22.90	22.90	24.00	19.40	19.34	19.28	20.50
3GPP Rel 7 HSPA+ (HSPA) Subtest-1		22.85	21.86	21.83	23.00	18.31	18.50	18.28	19.50

Band		WCDMA V_Ant 13		Tune-up		WCDMA V_Ant 31		Tune-up	
TX Channel		4132	4182	4233	Limit	4132	4182	4233	Limit
Rx Channel		4357	4407	4458	(dBm)	4357	4407	4458	(dBm)
Frequency (MHz)		824.4	836.4	848.6	(dBm)	824.4	836.4	848.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps		24.31	24.38	24.36	25.00	24.25	24.37	24.35	25.00
3GPP Rel 99 RMC 12.2Kbps		24.35	24.40	24.37	25.00	24.27	24.35	24.38	25.00
3GPP Rel 6 HSDPA Subtest-1		23.52	23.61	23.58	24.50	23.46	23.53	23.57	24.50
3GPP Rel 6 HSDPA Subtest-2		23.54	23.57	23.59	24.50	23.47	23.54	23.54	24.50
3GPP Rel 6 HSDPA Subtest-3		22.99	23.08	23.08	24.00	22.94	22.97	23.10	24.00
3GPP Rel 6 HSDPA Subtest-4		23.02	23.09	23.08	24.00	22.94	23.00	23.05	24.00
3GPP Rel 6 DC-HSDPA Subtest-1		23.39	23.54	23.55	24.50	23.45	23.47	23.56	24.50
3GPP Rel 6 DC-HSDPA Subtest-2		23.50	23.41	23.48	24.50	23.45	23.47	23.53	24.50
3GPP Rel 6 DC-HSDPA Subtest-3		22.97	22.96	23.00	24.00	22.83	22.89	22.95	24.00
3GPP Rel 6 DC-HSDPA Subtest-4		22.99	22.98	22.99	24.00	22.81	22.85	23.04	24.00
3GPP Rel 6 HSUPA Subtest-1		23.52	23.55	23.60	24.50	23.46	23.55	23.57	24.50
3GPP Rel 6 HSUPA Subtest-2		21.54	21.59	21.59	22.50	21.50	21.51	21.51	22.50
3GPP Rel 6 HSUPA Subtest-3		22.99	22.57	22.57	23.50	22.47	22.51	22.63	23.50
3GPP Rel 6 HSUPA Subtest-4		21.56	21.59	21.58	23.00	21.52	21.47	21.56	23.00
3GPP Rel 6 HSUPA Subtest-5		23.60	23.60	23.60	24.50	23.50	23.60	23.59	24.50
3GPP Rel 7 HSPA+ (HSPA) Subtest-1		22.66	22.67	22.64	23.50	22.51	22.53	22.51	23.50

GSM850_Ant 31		Burst Average Power (dBm)		Tune-up		Frame Average Power (dBm)		Tune-up	
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		32.60	32.95	32.74	33.50	23.60	23.95	23.74	24.50
GPRS/EDGE GMSK 1 Tx slot		32.59	32.91	32.72	33.50	23.59	23.91	23.72	24.50
GPRS/EDGE GMSK 2 Tx slots		30.31	30.56	30.47	31.50	24.31	24.56	24.47	25.50
GPRS/EDGE GMSK 3 Tx slots		27.60	28.95	28.62	29.50	23.34	24.59	24.36	25.24
GPRS/EDGE GMSK 4 Tx slots		27.17	27.22	27.20	28.00	24.04	24.22	24.20	25.00
EDGE BPSK 1 Tx slot		26.89	26.83	26.80	28.00	17.89	17.83	17.80	19.00
EDGE BPSK 2 Tx slots		24.98	24.81	25.01	26.00	18.98	18.81	19.01	20.00
EDGE BPSK 3 Tx slots		22.99	23.02	23.25	24.00	18.73	18.76	18.99	19.74
EDGE BPSK 4 Tx slots		21.63	21.38	21.56	22.50	18.63	18.38	18.56	19.50

GSM1900_Ant 31		Burst Average Power (dBm)		Tune-up		Frame Average Power (dBm)		Tune-up	
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8	(dBm)
GSM 1 Tx slot		29.87	29.40	29.53	30.00	20.87	20.40	20.33	21.00
GPRS/EDGE GMSK 1 Tx slot		29.34	29.36	29.30	30.00	20.34	20.36	20.30	21.00
GPRS/EDGE GMSK 2 Tx slots		26.56	26.58	26.55	28.00	20.56	20.58	20.55	22.00
GPRS/EDGE GMSK 3 Tx slots		24.60	24.63	24.58	26.00	20.34	20.37	20.32	21.74
GPRS/EDGE GMSK 4 Tx slots		23.38	23.42	23.36	24.50	20.38	20.42	20.36	21.50
EDGE BPSK 1 Tx slot		25.91	25.96	26.01	27.00	16.91	16.96	17.01	18.00
EDGE BPSK 2 Tx slots		24.20	24.20	24.23	25.00	18.20	18.20	18.23	19.00
EDGE BPSK 3 Tx slots		22.18	22.17	22.35	23.00	17.62	17.91	18.09	18.74
EDGE BPSK 4 Tx slots		20.64	20.57	20.56	21.50	17.64	17.57	17.56	18.50

Band		WCDMA V_Ant 13		Tune-up		WCDMA V_Ant 31		Tune-up	
TX Channel		1312	1413	1513	Limit	1312	1413	1513	Limit
Rx Channel		1537	1638	1738	(dBm)	1537	1638	1738	(dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	(dBm)	1712.4	1732.6	1752.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps		23.94	23.95	23.92	24.50	20.85	20.86	20.82	21.50
3GPP Rel 99 RMC 12.2Kbps		23.96	23.97	23.95	24.50	20.87	20.89	20.85	21.50
3GPP Rel 6 HSDPA Subtest-1		22.88	22.99	22.99	24.00	19.90	20.05	19.94	21.00
3GPP Rel 6 HSDPA Subtest-2		22.86	23.01	22.94	24.00	19.87	20.00	19.96	21.00
3GPP Rel 6 HSDPA Subtest-3		22.31	22.49	22.45	23.50	19.39	19.51	19.50	20.50
3GPP Rel 6 HSDPA Subtest-4		22.38	22.52	22.47	23.50	19.47	19.53	19.46	20.50
3GPP Rel 6 DC-HSDPA Subtest-1		22.86	22.91	22.94	24.00	19.84	19.83	19.82	21.00
3GPP Rel 6 DC-HSDPA Subtest-2		22.77	22.87	22.91	24.00	19.78	19.88	19.90	21.00
3GPP Rel 6 DC-HSDPA Subtest-3		22.29	22.39	22.31	23.50	19.41	19.49	19.48	20.50
3GPP Rel 6 DC-HSDPA Subtest-4		22.32	22.50	22.42	23.50	19.33	19.54	19.42	20.50
3GPP Rel 6 HSUPA Subtest-1		22.95	23.05	22.98	24.00	19.89	20.07	19.97	21.00

Band 2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch / Freq	Power Max Hsp Ch / Freq	Power Max Lch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	1850	1860	1900			
20	QPSK	1	48	23.53	23.54	23.48	24.5	0	
20	QPSK	1	96	23.38	23.38	23.29			
20	QPSK	50	0	23.54	22.66	22.61			
20	QPSK	50	24	23.52	22.66	22.61	23.5	1	
20	QPSK	50	50	22.60	22.45	22.50			
20	QPSK	100	0	22.63	22.64	22.47			
20	16QAM	1	0	23.32	22.61	22.40			
20	16QAM	1	48	22.87	22.47	22.40	23.5	1	
20	16QAM	1	96	22.50	22.55	22.53			
20	16QAM	50	0	21.47	21.49	21.46			
20	16QAM	50	24	21.51	21.65	21.52	22.5	2	
20	16QAM	50	50	21.96	21.64	21.52			
20	16QAM	100	0	21.56	21.56	21.46			
20	64QAM	1	0	21.96	21.69	21.37	22.5	2	
20	64QAM	1	48	21.55	21.57	21.55			
20	64QAM	1	96	22.04	21.34	21.63			
20	64QAM	50	0	20.58	20.44	20.53			
20	64QAM	50	24	20.58	20.50	20.58			
20	64QAM	50	50	20.94	20.52	20.95	21.5	3	
20	64QAM	100	0	20.55	20.56	20.46			
Channel									
Frequency (MHz)									
15	QPSK	1	0	1867.5	1890.0	1912.5			
15	QPSK	1	37	23.37	23.35	23.40	24.5	0	
15	QPSK	1	74	23.32	23.31	23.18			
15	QPSK	36	0	22.58	22.52	22.61			
15	QPSK	36	37	22.52	22.53	22.41	23.5	1	
15	QPSK	36	39	22.45	22.40	22.36			
15	QPSK	75	0	22.46	22.39	22.45			
15	16QAM	1	0	22.25	22.49	22.59			
15	16QAM	1	37	22.74	22.45	22.25	23.5	1	
15	16QAM	1	74	22.95	22.84	22.50			
15	16QAM	36	0	21.45	21.43	21.31			
15	16QAM	36	37	21.52	21.55	21.40	22.5	2	
15	16QAM	36	39	21.65	21.42	21.38			
15	16QAM	75	0	21.54	21.44	21.37			
15	64QAM	1	0	21.51	21.59	21.32			
15	64QAM	1	37	21.39	21.56	21.00	22	2	
15	64QAM	1	74	22.02	21.30	21.48			
15	64QAM	36	0	20.48	20.35	20.38			
15	64QAM	36	37	20.45	20.49	20.38	21.5	3	
15	64QAM	36	39	20.48	20.41	20.34			
15	64QAM	75	0	20.54	20.40	20.40			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.51	23.53	23.43			
10	QPSK	1	25	23.36	23.31	23.33	24.5	0	
10	QPSK	1	49	23.28	23.29	23.22			
10	QPSK	1	73	22.52	22.53	22.48			
10	QPSK	25	12	22.51	22.28	22.49	23.5	1	
10	QPSK	25	25	22.57	22.41	22.44			
10	QPSK	50	0	22.47	22.26	22.46			
10	16QAM	1	0	23.17	22.89	23.00			
10	16QAM	1	25	22.84	22.45	22.34	23.5	1	
10	16QAM	1	49	23.07	22.72	22.41			
10	16QAM	1	73	21.32	21.43	21.44			
10	16QAM	25	12	21.54	21.51	21.37	22.5	2	
10	16QAM	25	25	21.56	21.41	21.50			
10	16QAM	50	0	21.40	21.42	21.31			
10	64QAM	1	0	21.83	21.66	21.23			
10	64QAM	1	25	21.39	21.61	21.67	22.5	2	
10	64QAM	1	49	21.88	21.31	21.58			
10	64QAM	1	73	20.50	20.34	20.50			
10	64QAM	25	12	20.46	20.40	20.36	21.5	3	
10	64QAM	25	25	20.55	20.41	20.48			
10	64QAM	50	0	20.49	20.48	20.40			
Channel									
Frequency (MHz)									
5	QPSK	1	0	1852.5	1860	1867.5			
5	QPSK	1	12	23.39	23.24	23.34	24.5	0	
5	QPSK	1	24	23.27	23.27	23.25			
5	QPSK	12	0	22.49	22.63	22.63			
5	QPSK	12	7	22.53	22.57	22.49	23.5	1	
5	QPSK	12	13	22.63	22.26	22.41			
5	QPSK	25	14	22.40	22.45	22.38			
5	16QAM	1	0	23.20	22.59	23.04			
5	16QAM	1	12	22.72	22.45	22.38	23.5	1	
5	16QAM	1	24	22.52	22.52	22.50			
5	16QAM	12	0	21.33	21.45	21.40			
5	16QAM	12	7	21.46	21.53	21.47	22.5	2	
5	16QAM	12	13	21.56	21.41	21.46			
5	16QAM	25	14	21.44	21.45	21.36			
5	64QAM	1	0	21.95	21.56	21.34			
5	64QAM	1	12	21.44	21.55	21.49	22.5	2	
5	64QAM	1	24	21.57	21.75	21.61			
5	64QAM	12	0	20.47	20.42	20.52			
5	64QAM	12	7	20.50	20.41	20.28	21.5	3	
5	64QAM	12	13	20.62	20.37	20.34			
5	64QAM	25	14	20.54	20.41	20.33			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.39	23.42	23.33			
3	QPSK	1	8	23.34	23.25	23.38	24.5	0	
3	QPSK	1	14	23.21	23.31	23.23			
3	QPSK	8	0	22.57	22.51	22.49			
3	QPSK	8	4	22.50	22.28	22.56	23.5	1	
3	QPSK	15	0	22.47	22.33	22.45			
3	QPSK	15	0	22.45	22.49	22.40			
3	16QAM	1	0	23.20	22.59	22.94			
3	16QAM	1	8	22.72	22.29	22.24	23.5	1	
3	16QAM	1	14	23.00	22.77	22.38			
3	16QAM	8	0	21.41	21.37	21.36			
3	16QAM	8	4	21.46	21.56	21.50	22.5	2	
3	16QAM	8	7	21.52	21.39	21.42			
3	16QAM	15	0	21.45	21.42	21.38			
3	64QAM	1	0	21.80	21.63	21.36			
3	64QAM	1	8	21.46	21.75	21.60	22.5	2	
3	64QAM	1	14	21.55	21.53	21.33			
3	64QAM	8	0	20.44	20.43	20.45			
3	64QAM	8	4	20.54	20.46	20.34	21.5	3	
3	64QAM	15	0	20.44	20.51	20.34			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	1850.7	1860	1869.3			
1.4	QPSK	1	0	23.15	23.06	23.33	24.5	0	
1.4	QPSK	1	3	23.16	23.03	23.15			
1.4	QPSK	1	5	23.09	23.12	23.19			
1.4	QPSK	3	0	23.20	23.05	23.24	23.5	1	
1.4	QPSK	3	1	23.08	22.85	23.19			
1.4	QPSK	3	3	22.98	23.00	23.15			
1.4	QPSK	6	0	22.47	22.29	22.54	23.5	1	
1.4	16QAM	1	0	22.47	22.51	22.46			
1.4	16QAM	1	3	22.45	22.43	22.70			
1.4	16QAM	1	5	22.38	22.35	22.52	23.5	1	
1.4	16QAM	3	0	22.35	22.33	22.43			
1.4	16QAM	3	1	22.32	22.29	22.50			
1.4	16QAM	3	3	22.33	22.29	22.46			
1.4	16QAM	6	0	21.33	21.28	21.53	22.5	2	
1.4	16QAM	6	1	21.50	21.53	21.55			
1.4	16QAM	6	3	21.46	21.46	21.46			
1.4	64QAM	1	0	21.41	21.48	21.55	22.5	2	
1.4	64QAM	3	0	21.49	21.46	21.57			
1.4	64QAM	3	1	21.46	21.41	21.43			
1.4	64QAM	3	3	21.37	21.34	21.47			
1.4	64QAM	6	0	20.52	20.44	20.47	21.5	3	

Band 2_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq [dBm]	Power High Ch / Freq [dBm]	Power High Lch / Freq [dBm]	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	1850	1860	1900			
20	QPSK	1	48	20.52	20.42	20.53	21.5	0	
20	QPSK	1	96	20.43	20.59	20.48			
20	QPSK	50	0	20.45	20.55	20.45			
20	QPSK	50	24	20.42	20.45	20.40	21.5	0	
20	QPSK	50	50	20.40	20.50	20.33			
20	QPSK	100	0	20.42	20.54	20.39			
20	16QAM	1	0	20.45	20.45	20.37			
20	16QAM	1	48	20.46	20.45	20.33	21.5	0	
20	16QAM	1	96	20.45	20.52	20.33			
20	16QAM	50	0	20.46	20.54	20.40			
20	16QAM	50	24	20.42	20.47	20.39	21.5	0	
20	16QAM	50	50	20.40	20.50	20.33			
20	16QAM	100	0	20.46	20.47	20.40			
20	16QAM	1	0	20.46	20.48	20.41			
20	16QAM	1	48	20.47	20.46	20.33	21.5	0	
20	16QAM	1	96	20.39	20.48	20.41			
20	16QAM	50	0	20.42	20.51	20.41			
20	16QAM	50	24	20.45	20.47	20.42	21.5	0	
20	16QAM	50	50	20.40	20.53	20.33			
20	16QAM	100	0	20.41	20.51	20.36			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18675	18900	19125			
15	QPSK	1	48	20.44	20.41	20.51	21.5	0	
15	QPSK	1	97	20.44	20.50	20.55			
15	QPSK	1	74	20.55	20.52	20.58			
15	QPSK	36	0	20.50	20.54	20.50			
15	QPSK	36	20	20.44	20.42	20.36	21.5	0	
15	QPSK	36	39	20.41	20.43	20.47			
15	QPSK	75	0	20.50	20.53	20.51			
15	16QAM	1	0	20.46	20.41	20.42			
15	16QAM	1	37	20.44	20.41	20.40	21.5	0	
15	16QAM	1	74	20.50	20.50	20.51			
15	16QAM	36	0	20.48	20.53	20.45			
15	16QAM	36	20	20.39	20.37	20.35	21.5	0	
15	16QAM	36	39	20.47	20.45	20.41			
15	16QAM	75	0	20.45	20.42	20.46			
15	16QAM	50	0	20.46	20.46	20.46			
15	16QAM	1	37	20.42	20.44	20.37	21.5	0	
15	16QAM	1	74	20.47	20.40	20.45			
15	16QAM	36	0	20.42	20.47	20.44			
15	16QAM	36	20	20.37	20.37	20.34	21.5	0	
15	16QAM	36	39	20.45	20.49	20.44			
15	16QAM	75	0	20.49	20.47	20.43			
Channel									
Frequency (MHz)									
10	QPSK	1	0	1856	1860	1900			
10	QPSK	1	25	20.59	20.52	20.51	21.5	0	
10	QPSK	1	49	20.50	20.49	20.49			
10	QPSK	25	0	20.45	20.54	20.52			
10	QPSK	25	12	20.38	20.36	20.39	21.5	0	
10	QPSK	25	25	20.45	20.41	20.46			
10	QPSK	50	0	20.47	20.47	20.47			
10	16QAM	1	0	20.37	20.43	20.41			
10	16QAM	1	25	20.37	20.40	20.44	21.5	0	
10	16QAM	1	49	20.45	20.45	20.43			
10	16QAM	25	0	20.39	20.49	20.53			
10	16QAM	25	12	20.45	20.44	20.45	21.5	0	
10	16QAM	25	25	20.46	20.43	20.39			
10	16QAM	50	0	20.44	20.44	20.41			
10	16QAM	1	0	20.45	20.42	20.42			
10	16QAM	1	25	20.39	20.36	20.45	21.5	0	
10	16QAM	1	49	20.46	20.38	20.46			
10	16QAM	25	0	20.44	20.47	20.46			
10	16QAM	25	12	20.38	20.45	20.40	21.5	0	
10	16QAM	25	25	20.51	20.43	20.43			
10	16QAM	50	0	20.45	20.46	20.46			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.58	20.53	20.54			
5	QPSK	1	12	20.63	20.52	20.53	21.5	0	
5	QPSK	1	24	20.54	20.55	20.56			
5	QPSK	12	0	20.46	20.46	20.52			
5	QPSK	12	7	20.43	20.37	20.38	21.5	0	
5	QPSK	12	13	20.45	20.41	20.41			
5	16QAM	1	0	20.37	20.44	20.50			
5	16QAM	1	12	20.37	20.39	20.39	21.5	0	
5	16QAM	1	24	20.51	20.47	20.46			
5	16QAM	12	0	20.46	20.49	20.47			
5	16QAM	12	7	20.44	20.39	20.38	21.5	0	
5	16QAM	12	13	20.40	20.40	20.40			
5	16QAM	1	0	20.42	20.43	20.40			
5	16QAM	1	12	20.41	20.41	20.41	21.5	0	
5	16QAM	1	24	20.42	20.40	20.40			
5	16QAM	12	0	20.47	20.49	20.45			
5	16QAM	12	7	20.43	20.46	20.43	21.5	0	
5	16QAM	12	13	20.40	20.50	20.43			
5	16QAM	25	0	20.42	20.44	20.45			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18615	18900	19185			
3	QPSK	1	8	20.54	20.54	20.56	21.5	0	
3	QPSK	1	14	20.55	20.58	20.49			
3	QPSK	8	0	20.48	20.48	20.47			
3	QPSK	8	7	20.39	20.44	20.39	21.5	0	
3	QPSK	8	7	20.47	20.43	20.44			
3	QPSK	15	0	20.48	20.44	20.51			
3	16QAM	1	8	20.45	20.45	20.45	21.5	0	
3	16QAM	1	8	20.45	20.37	20.40			
3	16QAM	1	14	20.47	20.45	20.51			
3	16QAM	8	0	20.49	20.44	20.47	21.5	0	
3	16QAM	8	7	20.45	20.45	20.40			
3	16QAM	8	7	20.47	20.39	20.38	21.5	0	
3	16QAM	15	0	20.37	20.43	20.36			
3	16QAM	15	0	20.37	20.38	20.39	21.5	0	
3	16QAM	1	8	20.37	20.36	20.37			
3	16QAM	1	14	20.38	20.38	20.47			
3	16QAM	8	0	20.43	20.47	20.41	21.5	0	
3	16QAM	8	7	20.39	20.39	20.43			
3	16QAM	8	7	20.49	20.52	20.51			
3	16QAM	15	0	20.43	20.42	20.42	21.5	0	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.52	20.60	20.59			
1.4	QPSK	1	3	20.50	20.56	20.53			
1.4	QPSK	1	6	20.57	20.51	20.49	21.5	0	
1.4	QPSK	1	9	20.49	20.54	20.48			
1.4	QPSK	3	1	20.36	20.37	20.43			
1.4	QPSK	3	3	20.40	20.40	20.48			
1.4	16QAM	1	0	20.52	20.52	20.52	21.5	0	
1.4	16QAM	1	0	20.40	20.40	20.41			
1.4	16QAM	1	3	20.41	20.36	20.43			
1.4	16QAM	1	3	20.47	20.48	20.48	21.5	0	
1.4	16QAM	3	1	20.47	20.48	20.53			
1.4	16QAM	3	1	20.42	20.40	20.40			
1.4	16QAM	3	3	20.41	20.41	20.41	21.5	0	
1.4	16QAM	3	3	20.38	20.38	20.43			
1.4	16QAM	1	0	20.44	20.39	20.47			
1.4	16QAM	1	3	20.41	20.38	20.42			
1.4	16QAM	3	1	20.40	20.43	20.43	21.5	0	
1.4	16QAM	3	3	20.39	20.41	20.44			
1.4	16QAM	3	3	20.39	20.43	20.45			
1.4	16QAM	3	3	20.47	20.47	20.43	21.5	0	

Band 4_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Mid Ch./Freq	Power Hwp Ch./Freq	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				17020	1732.5	17450			
20	QPSK	1	0	23.43	23.54	23.46	24.5	0	
20	QPSK	1	49	23.45	23.51	23.47			
20	QPSK	1	99	23.47	23.47	23.39	23.5	1	
20	QPSK	50	0	22.54	22.55	22.51			
20	QPSK	50	24	22.54	22.54	22.48	23.5	1	
20	QPSK	50	50	22.52	22.50	22.45			
20	16QAM	1	0	22.52	22.54	22.51	23.5	1	
20	16QAM	1	49	22.60	22.79	22.68			
20	16QAM	1	99	22.75	22.74	22.46	22.5	2	
20	16QAM	50	0	21.60	21.50	21.55			
20	16QAM	50	24	21.58	21.65	21.58	22.5	2	
20	16QAM	50	50	21.44	21.68	21.61			
20	16QAM	100	0	21.58	21.68	21.55	22.5	2	
20	64QAM	1	0	21.74	22.03	22.32			
20	64QAM	1	49	21.80	22.26	22.17	22.5	2	
20	64QAM	1	99	21.70	21.98	21.70			
20	64QAM	50	0	20.45	20.52	20.41	21.5	3	
20	64QAM	50	24	20.70	20.65	20.69			
20	64QAM	50	50	20.55	20.58	20.67	21.5	3	
20	64QAM	100	0	20.60	20.52	20.66			
Channel				20025	20175	20325	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.47	23.62	23.37	24.5	0	
15	QPSK	1	37	23.40	23.49	23.32			
15	QPSK	1	74	23.43	23.46	23.25	23.5	1	
15	QPSK	36	0	22.53	22.52	22.50			
15	QPSK	36	36	22.57	22.48	22.38	23.5	1	
15	QPSK	36	99	22.48	22.40	22.38			
15	QPSK	75	0	22.39	22.47	22.48	23.5	1	
15	16QAM	1	0	22.70	22.67	22.67			
15	16QAM	1	37	22.74	22.52	22.74	22.5	1	
15	16QAM	1	74	22.67	22.67	22.36			
15	16QAM	36	0	21.46	21.30	21.53	22.5	2	
15	16QAM	36	36	21.57	21.57	21.45			
15	16QAM	36	99	21.32	21.55	21.50	22.5	2	
15	16QAM	75	0	21.43	21.46	21.52			
15	64QAM	1	0	21.62	21.91	22.27	22.5	2	
15	64QAM	1	37	21.73	22.27	21.80			
15	64QAM	1	74	21.62	21.91	21.68	21.5	3	
15	64QAM	36	0	20.33	20.46	20.26			
15	64QAM	36	36	20.67	20.48	20.54	21.5	3	
15	64QAM	36	99	20.57	20.44	20.56			
15	64QAM	75	0	20.57	20.47	20.58	21.5	3	
Channel				19975	20175	20375	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.47	23.60	23.43	24.5	0	
5	QPSK	1	12	23.38	23.50	23.37			
5	QPSK	1	24	23.37	23.37	23.33	23.5	1	
5	QPSK	12	0	22.48	22.57	22.50			
5	QPSK	12	7	22.56	22.52	22.46	23.5	1	
5	QPSK	12	13	22.61	22.40	22.31			
5	QPSK	25	0	22.69	22.71	22.61	23.5	1	
5	16QAM	1	0	22.81	22.51	22.60			
5	16QAM	1	24	22.76	22.67	22.38	22.5	2	
5	16QAM	12	0	21.49	21.38	21.52			
5	16QAM	12	7	21.50	21.59	21.51	22.5	2	
5	16QAM	12	13	21.42	21.53	21.57			
5	16QAM	25	0	21.50	21.48	21.53	22.5	2	
5	64QAM	1	0	21.61	21.89	22.20			
5	64QAM	1	12	21.68	22.18	21.85	22.5	2	
5	64QAM	1	24	21.61	21.23	21.54			
5	64QAM	12	0	20.38	20.40	20.33	21.5	3	
5	64QAM	12	7	20.54	20.61	20.55			
5	64QAM	12	13	20.51	20.44	20.52	21.5	3	
5	64QAM	25	0	20.52	20.41	20.58			
Channel				19965	20175	20385	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1753.5			
3	QPSK	1	0	23.48	23.48	23.42	24.5	0	
3	QPSK	1	8	23.32	23.46	23.34			
3	QPSK	1	14	23.44	23.32	23.38	23.5	1	
3	QPSK	8	0	22.53	22.52	22.45			
3	QPSK	8	4	22.60	22.49	22.36	23.5	1	
3	QPSK	8	7	22.49	22.43	22.45			
3	QPSK	15	0	22.49	22.53	22.50	23.5	1	
3	QPSK	15	7	22.57	22.37	22.31			
3	16QAM	1	0	22.78	22.47	22.48	23.5	1	
3	16QAM	1	14	22.75	22.73	22.36			
3	16QAM	8	0	21.48	21.34	21.44	22.5	2	
3	16QAM	8	4	21.44	21.58	21.56			
3	16QAM	8	7	21.38	21.54	21.52	22.5	2	
3	16QAM	15	0	21.55	21.56	21.54			
3	64QAM	1	0	21.68	21.92	22.10	22.5	2	
3	64QAM	1	8	21.67	22.13	21.86			
3	64QAM	1	14	21.66	21.54	21.58	21.5	3	
3	64QAM	8	0	20.35	20.46	20.38			
3	64QAM	8	4	20.62	20.58	20.58	21.5	3	
3	64QAM	8	7	20.50	20.56	20.64			
3	64QAM	15	0	20.51	20.47	20.56	21.5	3	
Channel				19955	20175	20395	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.32	23.35	23.31	24.5	0	
1.4	QPSK	1	3	23.15	23.20	23.38			
1.4	QPSK	1	5	23.25	23.11	23.11	23.5	1	
1.4	QPSK	3	0	23.22	23.36	23.29			
1.4	QPSK	3	1	23.16	23.26	23.37	23.5	1	
1.4	QPSK	3	3	23.24	23.11	23.07			
1.4	QPSK	6	0	22.36	22.39	22.41	23.5	1	
1.4	16QAM	1	0	22.28	22.34	22.27			
1.4	16QAM	1	3	22.30	22.36	22.31	23.5	1	
1.4	16QAM	1	5	22.30	22.36	22.32			
1.4	16QAM	3	0	22.40	22.56	22.52	22.5	2	
1.4	16QAM	3	3	22.50	22.49	22.40			
1.4	64QAM	1	0	21.31	21.44	21.50	22.5	2	
1.4	64QAM	1	0	21.38	21.43	21.45			
1.4	64QAM	1	3	21.28	21.36	21.37	22.5	2	
1.4	64QAM	1	5	21.37	21.35	21.40			
1.4	64QAM	3	0	21.29	21.50	21.44	21.5	3	
1.4	64QAM	3	1	21.40	21.47	21.45			
1.4	64QAM	3	3	21.50	21.40	21.25	21.5	3	
1.4	64QAM	6	0	20.23	20.36	20.52			

Band 5_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq	Power Level Mid Ch./Freq	Power Level HWP Ch./Freq	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.14	24.32	24.31			
5	QPSK	1	25	24.11	24.32	24.31	25	0	
5	QPSK	1	48	23.94	24.12	24.11	24	1	
10	QPSK	25	0	23.04	23.11	23.02			
10	QPSK	25	12	23.16	23.20	23.14	24	1	
5	QPSK	25	24	23.09	23.14	23.12	23	2	
10	QPSK	50	0	23.11	23.18	23.04			
10	16QAM	1	0	23.37	23.24	23.27			
10	16QAM	1	25	23.45	23.46	23.40	24	1	
10	16QAM	1	48	23.01	23.07	23.07	24	1	
10	16QAM	25	0	22.09	22.17	22.10			
10	16QAM	25	12	22.06	22.06	22.00			
10	16QAM	25	25	22.16	22.07	22.15	23	2	
10	16QAM	50	0	22.19	22.22	22.16			
10	8QAM	1	0	22.30	22.18	22.33			
10	8QAM	1	25	22.62	22.28	22.16	23	2	
10	8QAM	1	48	22.34	22.18	22.32	24	1	
10	8QAM	25	0	21.05	21.08	21.08			
10	8QAM	25	12	21.03	21.10	21.12	22	3	
10	8QAM	50	0	21.08	21.17	21.13			
10	8QAM	50	25	21.08	21.07	21.03			
Channel									
Frequency (MHz)				826.5	836.5	846.5	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.04	24.24	24.24			
5	QPSK	1	12	24.06	24.12	24.08	25	0	
5	QPSK	1	24	23.90	23.99	24.03	24	1	
5	QPSK	12	0	23.00	23.00	22.94			
5	QPSK	12	7	23.03	23.04	23.13	24	1	
5	QPSK	12	14	23.02	23.03	23.10	24	1	
5	QPSK	25	0	23.00	23.16	22.96			
5	16QAM	1	0	23.33	23.23	23.23			
5	16QAM	1	12	23.20	23.44	23.33	24	1	
5	16QAM	1	24	22.99	22.68	23.32	24	1	
5	16QAM	12	0	22.01	22.10	22.08			
5	16QAM	12	7	21.99	21.90	21.96	23	2	
5	16QAM	12	14	22.06	22.07	21.97	24	1	
5	16QAM	25	0	22.09	21.99	22.10			
5	8QAM	1	0	22.15	22.05	22.19			
5	8QAM	1	12	22.51	22.12	22.13	23	2	
5	8QAM	1	24	22.28	22.12	22.07	24	1	
5	8QAM	12	0	20.99	20.95	21.02			
5	8QAM	12	7	20.90	21.05	21.11	22	3	
5	8QAM	12	14	21.06	21.04	21.00	23	3	
5	8QAM	25	0	20.94	20.93	20.97			
Channel									
Frequency (MHz)				826.5	836.5	847.5	Time-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.13	24.22	24.30			
3	QPSK	1	8	24.07	24.07	24.03	25	0	
3	QPSK	1	14	23.92	24.03	23.93	24	1	
3	QPSK	8	0	22.93	23.10	22.99			
3	QPSK	8	4	22.99	23.07	22.98	24	1	
3	QPSK	8	8	23.02	22.82	22.99	24	1	
3	QPSK	15	0	23.10	23.14	22.98			
3	16QAM	1	0	23.33	23.11	23.19			
3	16QAM	1	8	23.35	23.38	23.33	24	1	
3	16QAM	1	14	22.98	22.83	23.37	23	2	
3	16QAM	8	0	21.98	22.05	22.08			
3	16QAM	8	4	21.92	21.93	21.85	23	2	
3	16QAM	8	8	22.14	21.98	22.11	24	1	
3	16QAM	15	0	21.97	21.97	21.97			
3	8QAM	1	0	22.18	22.08	22.18			
3	8QAM	1	8	22.46	22.28	22.09	23	2	
3	8QAM	1	14	22.18	22.12	22.04	24	1	
3	8QAM	8	0	20.97	21.04	21.04			
3	8QAM	8	4	20.87	21.09	20.87	22	3	
3	8QAM	8	8	21.09	21.06	21.04	23	3	
3	8QAM	15	0	20.93	20.92	20.93			
Channel									
Frequency (MHz)				824.7	836.5	848.3	Time-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.03	24.04	24.07			
1.4	QPSK	1	3	23.97	24.14	24.14	25	0	
1.4	QPSK	1	5	23.96	23.89	23.92	24	1	
1.4	QPSK	1	9	24.06	24.04	24.05			
1.4	QPSK	3	0	23.04	23.07	23.04			
1.4	QPSK	3	3	23.97	23.93	23.99	24	1	
1.4	QPSK	6	0	23.16	23.14	23.10	24	1	
1.4	16QAM	1	0	23.10	23.07	23.10			
1.4	16QAM	1	3	23.12	23.20	23.09	24	1	
1.4	16QAM	1	5	23.17	23.08	23.16			
1.4	16QAM	3	0	23.29	23.35	23.32			
1.4	16QAM	3	1	23.33	23.28	23.27	23	2	
1.4	16QAM	3	5	23.28	23.28	23.28	24	1	
1.4	8QAM	1	0	22.13	22.14	22.15	23	2	
1.4	8QAM	1	0	22.13	22.23	22.25			
1.4	8QAM	1	12	22.09	22.11	22.17	24	1	
1.4	8QAM	1	5	22.08	22.12	22.09			
1.4	8QAM	3	0	22.24	22.30	22.32			
1.4	8QAM	3	1	22.22	22.22	22.23	22	3	
1.4	8QAM	3	5	22.23	22.22	22.22	23	3	
1.4	8QAM	6	0	21.18	21.14	21.07	22	3	

Band 7_Ant 31												
BW (MHz)	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)												
				20510	21150	21510						
				20510	20510	20510						
20	QPSK	1	0	21.02	21.13	21.07	22	0				
20	QPSK	1	49	21.02	21.04	21.01						
20	QPSK	1	99	21.01	21.08	20.97						
20	QPSK	50	0	21.04	21.07	21.08						
20	QPSK	50	24	21.00	20.98	20.96	22	0				
20	QPSK	50	50	21.02	21.01	21.01						
20	QPSK	100	0	20.97	21.02	20.98						
20	16QAM	1	0	20.94	21.04	20.99						
20	16QAM	1	49	21.00	21.01	21.00	22	0				
20	16QAM	1	99	20.97	21.00	21.01						
20	16QAM	50	0	20.98	21.01	20.99						
20	16QAM	50	24	20.95	20.97	20.97						
20	16QAM	100	0	20.98	21.02	20.98	22	0				
20	16QAM	1	0	20.97	20.99	21.05						
20	16QAM	1	49	21.01	20.98	21.05						
20	16QAM	1	99	21.03	20.98	20.96						
20	16QAM	50	0	20.93	20.92	20.90	21	1				
20	16QAM	50	24	20.97	20.95	20.93						
20	16QAM	50	50	19.98	19.97	19.95						
20	16QAM	100	0	20.93	19.97	19.97						
Channel												
Frequency (MHz)												
				20625	21100	21375	Tune-up limit (dBm)		MPR (dB)			
				20515	21155	21525						
15	QPSK	1	0	21.04	21.11	21.05	22	0				
15	QPSK	1	37	20.98	20.97	21.02						
15	QPSK	1	74	21.05	21.00	21.03						
15	QPSK	36	0	21.05	21.05	20.98						
15	QPSK	36	20	20.95	20.93	20.97	22	0				
15	QPSK	36	39	20.95	20.98	20.98						
15	QPSK	75	0	21.00	20.93	20.95						
15	16QAM	1	0	20.97	21.01	20.96						
15	16QAM	1	37	20.98	20.99	20.97	22	0				
15	16QAM	1	74	20.98	20.93	20.91						
15	16QAM	36	0	20.95	20.94	20.95						
15	16QAM	36	20	20.95	20.93	20.90						
15	16QAM	36	39	20.95	20.98	20.91	22	0				
15	16QAM	75	0	20.98	21.01	20.97						
15	16QAM	1	0	20.92	20.94	20.92						
15	16QAM	1	37	20.93	20.92	20.88						
15	16QAM	1	74	20.88	20.97	20.97	22	0				
15	16QAM	36	0	19.95	19.93	19.92						
15	16QAM	36	20	19.97	19.95	19.97						
15	16QAM	36	39	19.97	19.95	19.93						
15	16QAM	75	0	19.93	19.94	19.93	21	1				
Channel												
Frequency (MHz)												
				20805	21100	21405	Tune-up limit (dBm)		MPR (dB)			
				20625	21155	21505						
10	QPSK	1	0	21.08	21.12	21.10	22	0				
10	QPSK	1	25	20.94	20.95	20.95						
10	QPSK	1	49	20.98	21.02	21.01						
10	QPSK	25	0	21.03	20.97	21.00						
10	QPSK	25	12	20.96	20.95	20.89	22	0				
10	QPSK	25	25	20.97	20.96	20.99						
10	QPSK	50	0	20.99	20.96	20.97						
10	16QAM	1	0	21.07	21.04	20.98						
10	16QAM	1	25	20.97	20.99	20.92	22	0				
10	16QAM	1	49	20.91	20.98	20.93						
10	16QAM	25	0	20.95	20.93	20.98						
10	16QAM	25	12	20.90	20.89	20.88						
10	16QAM	25	25	20.99	20.97	20.99	22	0				
10	16QAM	50	0	20.92	21.00	20.97						
10	16QAM	1	0	20.92	20.95	20.94						
10	16QAM	1	25	20.96	20.91	20.88						
10	16QAM	1	49	20.92	20.93	20.96	22	0				
10	16QAM	25	0	19.95	19.92	19.95						
10	16QAM	25	12	20.91	20.93	20.91						
10	16QAM	25	12	20.94	20.90	20.95						
10	16QAM	12	13	20.94	20.95	20.96	22	0				
10	16QAM	25	0	20.95	20.94	20.95						
10	16QAM	1	0	20.89	20.93	20.94						
10	16QAM	1	12	20.96	20.93	20.88						
10	16QAM	1	24	20.92	20.94	20.97	21	1				
10	16QAM	12	0	19.97	19.90	19.98						
10	16QAM	12	7	19.96	20.02	19.97						
10	16QAM	12	13	19.97	20.00	19.96						
10	16QAM	25	0	19.95	19.92	19.97	21	1				
Channel												
Frequency (MHz)												
				20975	21100	21425	Tune-up limit (dBm)		MPR (dB)			
				20525	21155	21575						
5	QPSK	1	0	21.10	21.05	21.05	22	0				
5	QPSK	1	12	20.95	21.01	20.97						
5	QPSK	1	24	20.98	21.00	21.06						
5	QPSK	12	0	20.97	21.00	20.97						
5	QPSK	12	7	20.95	20.95	20.94	22	0				
5	QPSK	12	13	20.92	20.93	20.96						
5	QPSK	25	0	21.00	20.96	20.93						
5	16QAM	1	0	21.00	21.02	21.00						
5	16QAM	1	12	20.98	20.91	20.99	22	0				
5	16QAM	1	24	20.99	20.96	20.93						
5	16QAM	12	0	21.00	20.97	20.91						
5	16QAM	12	7	20.94	20.90	20.95						
5	16QAM	12	13	20.94	20.95	20.96	22	0				
5	16QAM	25	0	20.95	20.94	20.95						
5	16QAM	1	0	20.89	20.93	20.94						
5	16QAM	1	12	20.96	20.93	20.88						
5	16QAM	1	24	20.92	20.94	20.97	21	1				
5	16QAM	12	0	19.97	19.90	19.98						
5	16QAM	12	7	19.96	20.02	19.97						
5	16QAM	12	13	19.97	20.00	19.96						
5	16QAM	25	0	19.95	19.92	19.97	21	1				
Channel												
Frequency (MHz)												
				21075	21100	21425	Tune-up limit (dBm)		MPR (dB)			
				20525	21155	21575						
5	QPSK	1	0	21.10	21.05	21.05	24	0				
5	QPSK	1	12	22.17	22.18	22.27						
5	QPSK	1	24	22.27	22.24	22.24						
5	QPSK	12	0	21.42	21.50	21.47						
5	QPSK	12	7	21.38	21.47	21.34	23	1				
5	QPSK	12	13	21.48	21.47	21.43						

Band 13_Ant 13								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPE (dB)
Channel								
23230								
Frequency (MHz)								
10	QPSK	1	0	24.17			25	0
10	QPSK	1	25	24.13				
10	QPSK	1	49	23.88				
10	QPSK	25	0	23.11			24	1
10	QPSK	25	12	22.97				
10	QPSK	25	24	23.10				
10	QPSK	50	0	22.98			24	1
10	16QAM	1	0	23.12				
10	16QAM	1	25	22.91				
10	16QAM	1	49	23.32			23	2
10	16QAM	25	0	22.10				
10	16QAM	25	12	21.98				
10	16QAM	25	25	22.11			22	3
10	16QAM	50	0	22.05				
10	64QAM	1	0	22.61				
10	64QAM	1	25	22.13			22	2
10	64QAM	1	49	22.04				
10	64QAM	25	0	21.00				
10	64QAM	25	12	20.96			22	3
10	64QAM	25	25	21.12				
10	64QAM	50	0	21.06				
Channel								
23205 23230 23255								
Frequency (MHz)								
5	QPSK	1	0	24.13	24.02	24.04	25	0
5	QPSK	1	12	24.08	24.00	23.98		
5	QPSK	1	24	23.86	23.84	23.72		
5	QPSK	12	0	23.07	23.03	23.02	24	1
5	QPSK	12	7	22.81	22.87	22.94		
5	QPSK	12	13	23.01	23.06	23.00		
5	QPSK	25	0	22.82	22.88	22.85	24	1
5	16QAM	1	0	23.09	23.02	23.05		
5	16QAM	1	12	22.85	22.89	22.79		
5	16QAM	1	24	23.28	23.20	23.19	23	2
5	16QAM	12	0	22.07	22.02	21.94		
5	16QAM	12	7	21.96	21.97	21.83		
5	16QAM	12	13	22.09	22.10	22.05	23	2
5	16QAM	25	0	21.96	21.89	21.95		
5	64QAM	1	12	22.00	22.02	22.04		
5	64QAM	1	24	21.91	21.88	21.91	22	2
5	64QAM	12	0	20.98	20.93	20.91		
5	64QAM	12	7	20.86	20.88	20.90		
5	64QAM	12	13	21.04	21.09	21.08	22	3
5	64QAM	25	0	20.96	21.01	20.99		

Band 13_Ant 31								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
23230								
Frequency (MHz)								
10	QPSK	1	0	24.16			25	0
10	QPSK	1	25	24.11				
10	QPSK	1	49	23.94				
10	QPSK	25	0	23.17			24	1
10	QPSK	25	12	22.99				
10	QPSK	25	25	23.16				
10	QPSK	50	0	23.08			24	1
10	16QAM	1	0	23.58				
10	16QAM	1	25	23.26				
10	16QAM	1	49	23.32			23	2
10	16QAM	25	0	22.04				
10	16QAM	25	12	22.08				
10	16QAM	25	25	22.17			23	2
10	16QAM	50	0	22.10				
10	64QAM	1	0	22.28				
10	64QAM	1	25	22.52			23	2
10	64QAM	1	49	22.14				
10	64QAM	25	0	20.97				
10	64QAM	25	12	21.11			22	3
10	64QAM	25	25	21.09				
10	64QAM	50	0	21.00				
Channel								
23205 23230 23255								
Frequency (MHz)								
5	QPSK	1	0	24.07	24.14	24.11	25	0
5	QPSK	1	12	24.08	24.02	24.01		
5	QPSK	1	24	23.81	23.78	23.84		
5	QPSK	12	0	23.15	23.11	23.14	24	1
5	QPSK	12	7	22.85	22.89	22.85		
5	QPSK	12	13	23.05	23.15	23.13		
5	QPSK	25	0	23.04	22.95	23.04	24	1
5	16QAM	1	0	23.30	23.55	23.51		
5	16QAM	1	12	23.18	23.19	23.19		
5	16QAM	1	24	23.25	23.22	23.28	23	2
5	16QAM	12	0	21.96	22.01	21.93		
5	16QAM	12	7	22.00	22.05	21.93		
5	16QAM	12	13	22.14	22.10	22.02	23	2
5	16QAM	25	0	21.98	21.84	22.04		
5	64QAM	1	12	22.47	22.50	22.47		
5	64QAM	1	24	22.09	21.98	22.12	23	2
5	64QAM	12	0	20.82	20.85	20.80		
5	64QAM	12	7	21.02	21.06	21.08		
5	64QAM	12	13	21.06	21.02	21.01	22	3
5	64QAM	25	0	20.89	20.99	20.92		

Band 17_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPE (dB)		
Channel										
				23760	23790	23800				
Frequency (MHz)				7070	710	711				
10	QPSK	1	0	24.16	24.21	24.20	25	0		
10	QPSK	1	25	24.15	24.07	24.15				
10	QPSK	1	49	24.02	24.15	24.11				
10	QPSK	25	0	23.23	23.30	23.20	24	1		
10	QPSK	25	12	23.24	23.18	23.18				
10	QPSK	25	25	23.20	23.20	23.18				
10	QPSK	50	0	23.28	23.29	23.26	24	1		
10	16QAM	1	0	23.50	23.58	23.52				
10	16QAM	1	25	23.30	23.19	23.33				
10	16QAM	1	49	23.52	23.34	23.36	23	2		
10	16QAM	25	0	22.17	22.08	22.17				
10	16QAM	25	12	22.31	22.23	22.22				
10	16QAM	25	25	22.35	22.38	22.32	23	2		
10	16QAM	50	0	22.21	22.12	22.23				
10	64QAM	1	0	22.30	22.67	22.24				
10	64QAM	1	25	22.62	22.79	22.12	22	2		
10	64QAM	1	49	22.52	22.61	22.49				
10	64QAM	25	0	21.25	21.23	21.15				
10	64QAM	25	12	21.59	21.29	21.16	22	3		
10	64QAM	25	25	21.28	21.17	21.21				
10	64QAM	50	0	21.30	21.11	21.07				
Channel										
				23755	23790	23825				
Frequency (MHz)				7065	710	713.5				
5	QPSK	1	0	24.00	24.15	24.17	25	0		
5	QPSK	1	12	24.04	23.98	24.14				
5	QPSK	1	24	23.93	24.14	24.07				
5	QPSK	12	0	23.16	23.16	23.07	24	1		
5	QPSK	12	7	23.21	23.12	23.17				
5	QPSK	12	13	23.19	23.13	23.09				
5	QPSK	25	0	23.16	23.18	23.23	24	1		
5	16QAM	1	0	23.41	23.46	23.17				
5	16QAM	1	12	23.17	23.04	23.27				
5	16QAM	1	24	23.47	23.18	23.48	23	2		
5	16QAM	12	0	22.14	21.95	22.13				
5	16QAM	12	7	22.16	22.20	22.18				
5	16QAM	12	13	22.29	22.28	22.28	23	2		
5	16QAM	25	0	22.13	22.06	22.11				
5	64QAM	1	0	22.28	22.53	22.12				
5	64QAM	1	12	22.54	22.77	21.97	23	3		
5	64QAM	1	24	22.36	22.50	22.35				
5	64QAM	12	0	21.12	21.16	21.02				
5	64QAM	12	7	21.52	21.19	21.02	22	3		
5	64QAM	12	13	21.14	21.10	21.17				
5	64QAM	25	0	21.15	21.03	20.95				

Band 17_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod. Ch./ Freq.	Power Mod. Ch./ Freq.	Power Mod. Ch./ Freq.	Turn-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)				23760	23790	23800				
				706.5	710	711				
10	QPSK	1	0	24.20	24.38	24.18	25	0		
10	QPSK	1	25	24.19	24.13	24.16				
10	QPSK	1	49	24.07	24.15	23.19				
10	QPSK	25	0	23.22	23.24	23.25	24	1		
10	QPSK	25	12	23.17	23.23	23.20				
10	QPSK	25	25	23.21	23.20	23.20				
10	QPSK	50	0	23.21	23.26	23.50	24			
10	16QAM	1	0	23.53	23.12	23.52				
10	16QAM	1	25	23.05	23.29	23.34				
10	16QAM	1	49	23.28	23.14	22.20	23	2		
10	16QAM	25	0	22.12	22.16	22.18				
10	16QAM	25	12	22.26	22.52	22.44				
10	16QAM	25	25	22.34	22.38	22.17	23	2		
10	16QAM	50	0	22.28	22.14	22.48				
10	64QAM	1	0	22.27	22.50	22.53				
10	64QAM	1	25	22.28	22.60	22.71	22	2		
10	64QAM	1	49	22.73	22.27	21.30				
10	64QAM	25	0	21.09	21.23	21.25	22	3		
10	64QAM	25	12	21.19	21.25	21.22				
10	64QAM	25	25	21.19	21.20	21.20				
10	64QAM	50	0	21.24	21.17	21.28	Channel			
Frequency (MHz)				706.5	707.60	710.5			Turn-up limit (dBm)	MFR (dB)
5	QPSK	1	0	24.10	24.30	24.08			25	0
5	QPSK	1	12	24.12	24.08	24.09				
5	QPSK	1	24	23.93	24.08	23.19				
5	QPSK	12	0	23.12	23.11	23.18	24	1		
5	QPSK	12	7	23.15	23.15	23.18				
5	QPSK	12	13	23.18	23.15	23.19				
5	16QAM	1	0	23.20	23.44	23.47	23	1		
5	16QAM	1	0	23.37	23.65	23.67				
5	16QAM	1	12	23.80	23.12	23.13				
5	16QAM	1	24	23.12	23.10	22.11	23	2		
5	16QAM	12	0	22.04	22.01	22.04				
5	16QAM	12	7	22.10	22.16	22.21				
5	16QAM	12	13	22.22	22.28	22.12	22	2		
5	16QAM	25	0	22.26	22.07	22.42				
5	16QAM	25	0	22.24	22.44	22.43				
5	64QAM	1	0	22.25	22.48	22.84	23	2		
5	64QAM	1	24	22.71	22.18	21.19				
5	64QAM	12	0	21.00	21.09	21.15				
5	64QAM	12	7	21.09	21.22	21.12	22	3		
5	64QAM	12	13	21.24	21.15	21.19				
5	64QAM	25	0	21.18	21.06	21.16				

Band 26_Ant 13									
BW (MHz)	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)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.87	24.38	23.83	25	0	
15	QPSK	1	37	23.78	23.17	23.66			
15	QPSK	1	74	23.80	23.79	23.59			
15	QPSK	36	0	22.81	22.92	22.80			
15	QPSK	36	20	22.89	22.86	22.84			
15	QPSK	36	59	22.89	22.86	22.85	24	1	
15	QPSK	75	0	22.94	22.99	22.76			
15	16QAM	1	0	23.15	23.11	23.29			
15	16QAM	1	37	22.06	22.27	21.82			
15	16QAM	1	74	22.24	23.24	22.87			
15	16QAM	36	0	21.90	21.82	21.94	23	2	
15	16QAM	36	20	21.97	21.94	21.83			
15	16QAM	36	59	22.00	21.91	21.89			
15	16QAM	75	0	21.96	21.84	21.82			
15	64QAM	1	0	22.14	22.04	22.13			
15	64QAM	1	37	22.06	22.27	21.82	23	2	
15	64QAM	1	74	22.08	21.76	21.69			
15	64QAM	36	0	20.89	20.80	20.88			
15	64QAM	36	20	21.01	20.82	20.80			
15	64QAM	36	59	21.08	20.97	20.95			
15	64QAM	75	0	21.05	20.81	20.85	22	3	
Channel									
Frequency (MHz)				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
				810	831.5	844			
10	QPSK	1	0	23.80	23.14	23.87	25	0	
10	QPSK	1	25	23.62	23.69	23.81			
10	QPSK	1	49	23.79	23.64	23.52			
10	QPSK	25	0	22.89	22.90	22.82			
10	QPSK	25	12	22.77	22.93	22.71			
10	QPSK	25	25	22.75	22.74	22.80	24	1	
10	QPSK	50	0	22.82	22.98	22.87			
10	16QAM	1	0	23.11	22.96	23.04			
10	16QAM	1	25	23.02	23.08	22.96			
10	16QAM	1	49	23.23	23.09	22.55			
10	16QAM	25	0	21.83	21.73	21.89	23	2	
10	16QAM	25	12	21.88	21.76	21.87			
10	16QAM	25	25	21.90	21.80	21.81			
10	16QAM	50	0	21.83	21.73	21.79			
10	64QAM	1	0	21.86	21.67	21.83			
10	64QAM	1	25	22.03	22.26	21.80	23	2	
10	64QAM	1	49	21.95	21.75	21.68			
10	64QAM	25	0	20.87	20.86	20.85			
10	64QAM	25	12	20.80	20.72	20.78			
10	64QAM	25	25	20.87	20.91	20.87			
10	64QAM	50	0	20.89	20.75	20.80	20		
Channel									
Frequency (MHz)				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
				810.5	831.5	846.5			
5	QPSK	1	0	23.76	23.90	23.74	25	0	
5	QPSK	1	12	23.73	23.69	23.77			
5	QPSK	1	24	23.77	23.68	23.67			
5	QPSK	12	0	22.80	22.82	22.80			
5	QPSK	12	7	22.78	22.70	22.70			
5	QPSK	12	13	22.83	22.76	22.81	24	1	
5	QPSK	25	0	22.92	22.88	22.87			
5	16QAM	1	0	23.00	23.08	23.15			
5	16QAM	1	12	23.27	23.12	22.51			
5	16QAM	1	24	23.18	23.12	22.56			
5	16QAM	12	0	21.89	21.67	21.83	23	2	
5	16QAM	12	7	21.89	21.79	21.79			
5	16QAM	12	13	21.87	21.89	21.76			
5	16QAM	25	0	21.81	21.82	21.80			
5	16QAM	25	12	21.96	21.97	21.87			
5	64QAM	1	12	21.84	21.84	21.79	23	2	
5	64QAM	1	24	21.88	21.64	21.59			
5	64QAM	12	0	20.82	20.84	20.76			
5	64QAM	12	7	20.92	20.74	20.72			
5	64QAM	12	13	21.05	20.94	20.90			
5	64QAM	25	0	20.86	20.73	20.75	22	3	
Channel									
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.80	23.36	23.80	25	0	
3	QPSK	1	8	23.75	23.78	23.78			
3	QPSK	1	14	23.73	23.67	23.56			
3	QPSK	8	0	22.79	22.85	22.88			
3	QPSK	8	4	22.79	22.79	22.72			
3	QPSK	8	7	22.81	22.81	22.72	24	1	
3	QPSK	15	0	22.82	22.86	22.87			
3	16QAM	1	0	23.10	22.99	23.24			
3	16QAM	1	8	23.22	23.08	22.60			
3	16QAM	1	14	23.22	23.17	22.66			
3	16QAM	8	0	21.79	21.74	21.82	23	2	
3	16QAM	8	4	21.96	21.77	21.79			
3	16QAM	8	7	21.89	21.88	21.75			
3	16QAM	15	0	21.85	21.80	21.71			
3	64QAM	1	0	22.08	22.02	22.04			
3	64QAM	1	8	21.95	22.23	21.81	23	2	
3	64QAM	1	14	21.90	21.74	21.60			
3	64QAM	8	0	20.73	20.94	20.80			
3	64QAM	8	4	20.93	20.88	20.79			
3	64QAM	8	7	20.97	20.81	20.81			
3	64QAM	15	0	21.00	20.76	20.71	22	3	
Channel									
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.78	23.81	23.83	25	0	
1.4	QPSK	1	5	23.89	23.81	23.77			
1.4	QPSK	1	5	23.60	23.76	23.63			
1.4	QPSK	3	0	23.86	23.91	23.81			
1.4	QPSK	3	1	23.88	23.77	23.80			
1.4	QPSK	3	3	23.69	23.74	23.72	24	1	
1.4	QPSK	6	0	22.92	22.91	22.86			
1.4	16QAM	1	0	22.85	22.73	22.86			
1.4	16QAM	1	3	22.89	22.90	22.88			
1.4	16QAM	3	0	22.92	22.92	22.78			
1.4	16QAM	3	3	23.03	22.94	22.94	24	1	
1.4	16QAM	3	3	23.05	23.09	22.99			
1.4	16QAM	6	0	21.90	21.80	21.92			
1.4	16QAM	6	0	21.88	21.85	21.79			
1.4	64QAM	1	0	21.95	21.80	21.71			
1.4	64QAM	1	3	21.88	21.96	21.85	23	2	
1.4	64QAM	1	5	21.80	21.82	21.80			
1.4	64QAM	3	1	22.10	21.96	22.03			
1.4	64QAM	3	1	22.10	21.96	22.04			
1.4	64QAM	3	3	21.96	21.96	21.96			
1.4	64QAM	6	0	20.93	20.76	20.80	22	3	

Band 26_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				26765	26865	26965						
				821.5	831.5	841.5						
15	QPSK	1	0	23.76	23.91	23.91	25	0				
15	QPSK	1	37	23.76	23.17	23.37						
15	QPSK	1	74	23.75	23.71	23.89						
15	QPSK	36	0	22.90	22.91	22.85						
15	QPSK	36	20	22.87	22.78	22.79						
15	QPSK	36	59	22.89	22.82	22.73	24	1				
15	QPSK	75	0	22.83	22.60	22.81						
15	16QAM	1	0	22.79	23.34	23.36						
15	16QAM	1	37	22.92	23.76	23.78	23					
15	16QAM	1	74	22.90	23.45	23.47						
15	16QAM	36	0	21.86	21.68	21.69						
15	16QAM	36	20	22.00	21.82	21.79	23					
15	16QAM	36	59	22.02	21.84	21.81						
15	16QAM	75	0	21.90	21.76	21.87						
15	16QAM	1	0	21.83	21.81	22.15	22	3				
15	16QAM	1	37	21.80	22.04	21.81						
15	16QAM	1	74	21.82	21.77	21.99						
15	16QAM	36	0	20.93	20.68	20.88	22					
15	16QAM	36	20	20.91	20.88	21.00						
15	16QAM	36	59	20.94	20.85	20.92						
15	16QAM	75	0	20.82	20.75	20.92	21					
Channel				26740	26865	26990				Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844						
10	QPSK	1	0	23.61	23.76	23.76	25	0				
10	QPSK	1	37	23.61	23.17	23.37						
10	QPSK	1	69	23.71	23.63	23.76						
10	QPSK	25	0	22.74	22.78	22.68						
10	QPSK	25	25	22.68	22.68	22.68						
10	QPSK	25	25	22.87	22.80	22.71	24	1				
10	QPSK	50	0	22.71	22.66	22.65						
10	16QAM	1	0	22.71	23.30	23.23						
10	16QAM	1	37	22.73	23.76	23.78	24	1				
10	16QAM	1	69	22.83	23.37	23.27						
10	16QAM	25	0	21.73	21.77	21.74						
10	16QAM	25	25	21.67	21.67	21.68	23					
10	16QAM	25	25	21.74	21.81	21.71						
10	16QAM	50	0	21.88	21.74	21.85						
10	16QAM	1	0	21.80	21.71	22.02	23	2				
10	16QAM	1	37	21.84	21.86	21.70						
10	16QAM	1	69	22.01	21.75	21.88						
10	16QAM	25	0	20.85	20.57	20.85	22	3				
10	16QAM	25	25	20.79	20.68	20.79						
10	16QAM	25	25	20.79	20.68	20.79						
10	16QAM	50	0	20.66	20.72	20.63	21					
Channel				26715	26865	27015				Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816	831.5	847.5						
5	QPSK	1	0	23.64	23.76	23.76	25	0				
5	QPSK	1	12	23.66	23.57	23.64						
5	QPSK	1	24	23.71	23.66	23.80						
5	QPSK	12	0	22.79	22.75	22.68						
5	QPSK	12	12	22.86	22.68	22.68						
5	QPSK	12	12	23.78	22.72	22.68	24	1				
5	QPSK	25	0	22.76	22.85	22.70						
5	QPSK	25	25	22.76	22.76	22.76						
5	16QAM	1	12	23.10	22.91	22.92	24	1				
5	16QAM	1	24	22.84	23.40	22.93						
5	16QAM	12	0	21.77	21.77	21.78						
5	16QAM	12	7	21.88	21.68	21.68	23	2				
5	16QAM	12	13	21.70	21.70	21.80						
5	16QAM	25	0	21.75	21.76	21.85						
5	16QAM	25	25	21.75	21.75	21.74	23	2				
5	16QAM	1	12	21.89	21.69	21.71						
5	16QAM	1	24	21.89	21.63	21.96						
5	16QAM	12	0	20.80	20.81	20.89	22	3				
5	16QAM	12	7	20.75	20.78	20.88						
5	16QAM	12	13	20.69	20.72	20.89						
5	16QAM	25	0	20.71	20.66	20.77	21					
Channel				26715	26865	27015				Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5						
3	QPSK	1	0	23.74	23.80	23.77	25	0				
3	QPSK	1	8	23.62	23.68	23.74						
3	QPSK	1	14	23.60	23.56	23.68						
3	QPSK	8	0	22.82	22.75	22.75						
3	QPSK	8	7	22.73	22.80	22.70						
3	QPSK	8	7	22.73	22.80	22.70	24	1				
3	16QAM	1	0	22.76	23.24	23.29						
3	16QAM	1	8	23.17	23.27	22.93						
3	16QAM	1	14	22.76	23.27	22.92	24	1				
3	16QAM	8	0	21.74	21.74	21.85						
3	16QAM	8	4	21.85	21.76	21.73						
3	16QAM	8	7	21.75	21.88	21.75	23	2				
3	16QAM	8	7	21.65	21.65	21.66						
3	16QAM	1	0	21.79	21.77	22.03						
3	16QAM	1	8	21.79	21.96	21.71	23	2				
3	16QAM	1	14	22.00	21.65	21.86						
3	16QAM	8	0	20.86	20.78	20.89						
3	16QAM	8	4	20.86	20.78	20.89	22	3				
3	16QAM	8	7	20.75	20.83	20.85						
3	16QAM	8	7	20.62	20.62	20.62						
Channel				26697	26865	27033	Turn-up limit (dBm)	MPR (dB)				
Frequency (MHz)				814.7	831.5	848.3						
1.4	QPSK	1	0	23.42	23.43	23.42	25	0				
1.4	QPSK	1	9	23.30	23.44	23.26						
1.4	QPSK	1	17	23.25	23.25	23.23						
1.4	QPSK	3	0	23.48	23.54	23.34						
1.4	QPSK	3	1	23.38	23.39	23.32						
1.4	QPSK	3	1	23.32	23.32	23.32	24	1				
1.4	QPSK	6	0	22.93	22.95	22.47						
1.4	16QAM	1	0	22.59	22.92	22.58						
1.4	16QAM	1	9	22.55	22.48	22.47	24	1				
1.4	16QAM	1	17	22.47	22.44	22.46						
1.4	16QAM	3	0	21.76	21.76	22.06						
1.4	16QAM	3	1	22.69	22.64	22.66	23	2				
1.4	16QAM	3	1	22.71	22.71	22.71						
1.4	16QAM	6	0	21.38	21.33	21.38						
1.4	16QAM	1	0	21.57	21.42	21.37	23	2				
1.4	16QAM	1	9	21.45	21.38	21.37						
1.4	16QAM	1	17	21.42	21.42	21.42						
1.4	16QAM	3	0	21.67	21.56	21.29	22	3				
1.4	16QAM	3	1	21.60	21.58	21.61						
1.4	16QAM	3	1	21.59	21.58	21.58						
1.4	16QAM	6	0	20.45	20.36	20.36	21					
1.4	16QAM	6	1	20.45	20.36	20.36						
1.4	16QAM	6	1	20.45	20.36	20.36						

Band 66_Ant 11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				152072	152122	152172						
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	23.48	23.53	23.35	24.5	0				
20	QPSK	1	49	23.39	23.38	23.12						
20	QPSK	1	99	23.47	23.33	23.15						
20	QPSK	50	0	22.58	22.59	22.44						
20	QPSK	50	24	22.36	22.49	22.42						
20	QPSK	50	50	22.39	22.48	22.52	23.5	1				
20	QPSK	100	0	22.42	22.56	22.27						
20	16QAM	1	0	22.89	22.79	22.44						
20	16QAM	1	49	22.63	22.69	22.38						
20	16QAM	1	99	23.02	22.45	22.26						
20	16QAM	50	0	21.39	21.37	21.39	22.5	2				
20	16QAM	50	24	21.45	21.51	21.39						
20	16QAM	50	50	21.39	21.38	21.24						
20	16QAM	100	0	21.60	21.41	21.25						
20	64QAM	1	0	21.75	21.66	21.69						
20	64QAM	1	49	21.30	21.51	21.79	22.5	2				
20	64QAM	1	99	21.02	21.69	21.54						
20	64QAM	50	0	20.56	20.43	20.46						
20	64QAM	50	24	20.47	20.44	20.42						
20	64QAM	50	50	20.46	20.47	20.38						
20	64QAM	100	0	20.41	20.41	20.35	21.5	3				
Channel				152047	152122	152197						
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	23.38	23.43	23.31				24.5	0	
15	QPSK	1	37	23.29	23.31	23.05						
15	QPSK	1	74	23.32	23.17	23.08						
15	QPSK	36	0	22.48	22.56	22.32						
15	QPSK	36	20	22.30	22.42	22.32						
15	QPSK	36	36	22.34	22.38	22.25	23.5	1				
15	QPSK	75	0	22.38	22.48	22.18						
15	16QAM	1	0	22.87	22.64	22.29						
15	16QAM	1	37	22.49	22.57	22.35						
15	16QAM	1	74	22.90	22.38	22.18						
15	16QAM	36	0	21.35	21.35	21.27	22.5	2				
15	16QAM	36	20	21.33	21.44	21.33						
15	16QAM	36	36	21.28	21.25	21.17						
15	16QAM	75	0	21.47	21.26	21.22						
15	64QAM	1	0	21.73	21.55	21.46						
15	64QAM	1	37	21.24	21.48	21.67	22.5	2				
15	64QAM	1	74	20.91	21.56	21.41						
15	64QAM	36	0	20.63	20.37	20.42						
15	64QAM	36	20	20.44	20.34	20.38						
15	64QAM	36	36	20.36	20.43	20.28						
15	64QAM	75	0	20.37	20.28	20.25	21.5	3				
Channel				152022	152122	152122						
Frequency (MHz)				1715	1745	1715						
10	QPSK	1	0	23.40	23.46	23.22				24.5	0	
10	QPSK	1	25	23.31	23.34	22.97						
10	QPSK	1	49	23.46	23.27	23.06						
10	QPSK	25	0	22.65	22.56	22.33						
10	QPSK	25	12	22.34	22.44	22.39						
10	QPSK	25	25	22.25	22.32	22.23	23.5	1				
10	QPSK	50	0	22.40	22.42	22.16						
10	16QAM	1	0	22.73	22.73	22.30						
10	16QAM	1	25	22.49	22.67	22.37						
10	16QAM	1	49	22.95	22.32	22.15						
10	16QAM	25	0	21.38	21.29	21.29	22.5	2				
10	16QAM	25	12	21.40	21.50	21.30						
10	16QAM	25	25	21.32	21.31	21.14						
10	16QAM	50	0	21.63	21.35	21.13						
10	16QAM	1	0	21.61	21.52	21.62						
10	64QAM	1	25	21.22	21.43	21.69	22.5	2				
10	64QAM	1	49	20.95	21.64	21.41						
10	64QAM	25	0	20.40	20.37	20.43						
10	64QAM	25	12	20.45	20.40	20.37						
10	64QAM	25	25	20.34	20.33	20.24						
10	64QAM	50	0	20.34	20.30	20.24	21.5	3				
Channel				151997	152122	152147						
Frequency (MHz)				1712.5	1745	1777.5						
5	QPSK	1	0	23.33	23.37	23.29				24.5	0	
5	QPSK	1	12	23.34	23.34	23.03						
5	QPSK	1	24	23.41	23.19	23.06						
5	QPSK	12	0	22.50	22.49	22.36						
5	QPSK	12	7	22.25	22.47	22.26						
5	QPSK	12	13	22.36	22.52	22.16	23.5	1				
5	QPSK	25	0	22.35	22.46	22.16						
5	16QAM	1	0	22.86	22.88	22.41						
5	16QAM	1	12	22.47	22.64	22.28						
5	16QAM	1	24	22.62	22.35	22.13						
5	16QAM	12	0	21.37	21.32	21.25	22.5	2				
5	16QAM	12	7	21.35	21.36	21.24						
5	16QAM	12	13	21.25	21.32	21.23						
5	16QAM	25	0	21.52	21.40	21.16						
5	64QAM	1	0	21.69	21.50	21.56						
5	64QAM	1	12	21.25	21.50	21.73	22.5	2				
5	64QAM	1	24	20.89	21.66	21.44						
5	64QAM	12	0	20.54	20.27	20.37						
5	64QAM	12	7	20.42	20.28	20.40						
5	64QAM	12	13	20.40	20.36	20.29						
5	64QAM	25	0	20.40	20.30	20.28	21.5	3				
Channel				151987	152122	152167						
Frequency (MHz)				1711.5	1745	1778.5						
3	QPSK	1	0	23.32	23.50	23.31				24.5	0	
3	QPSK	1	8	23.33	23.34	23.07						
3	QPSK	1	14	23.39	23.21	23.14						
3	QPSK	8	0	22.47	22.45	22.41						
3	QPSK	8	4	22.21	22.46	22.26						
3	QPSK	8	7	22.28	22.38	22.30	23.5	1				
3	QPSK	15	0	22.38	22.46	22.19						
3	16QAM	1	0	22.77	22.71	22.38						
3	16QAM	1	8	22.46	22.66	22.22						
3	16QAM	1	14	22.89	22.34	22.15						
3	16QAM	8	0	21.32	21.29	21.31	22.5	2				
3	16QAM	8	4	21.38	21.41	21.25						
3	16QAM	8	7	21.24	21.25	21.12						
3	16QAM	15	0	21.45	21.27	21.12						
3	64QAM	1	0	21.63	21.57	21.68						
3	64QAM	1	8	21.20	21.50	21.66	22.5	2				
3	64QAM	1	14	20.91	21.69	21.69						
3	64QAM	8	0	20.43	20.39	20.37						
3	64QAM	8	4	20.33	20.34	20.35						
3	64QAM	8	7	20.34	20.37	20.37						
3	64QAM	15	0	20.35	20.25	20.22	21.5	3				
Channel				151979	152122	152165						
Frequency (MHz)				1710.7	1745	1779.3						
1.4	QPSK	1	0	23.21	23.26	23.29				24.5	0	
1.4	QPSK	1	3	23.16	23.23	23.14						
1.4	QPSK	1	5	22.98	23.07	22.90						
1.4	QPSK	3	0	23.29	23.32	23.28						
1.4	QPSK	3	1	23.13	23.29	23.17						
1.4	QPSK	3	3	23.09	23.04	22.97	23.5	1				
1.4	QPSK	6	0	22.24	22.22	22.25						
1.4	16QAM	1	0	22.26	22.28	22.26						
1.4	16QAM	1	3	22.17	22.22	22.17						
1.4	16QAM	1	5	22.21	22.14	22.13						
1.4	16QAM	3	0	22.37	22.53	22.54	23.5	1				
1.4	16QAM	3	1	22.52	22.46	22.51						
1.4	16QAM	3	3	22.30	22.36	22.26						
1.4	16QAM	6	0	21.19	21.32	21.33						
1.4	64QAM	1	0	21.29	21.33	21.18						
1.4	64QAM	1	3	21.11	21.23	21.21	22.5	2				
1.4	64QAM	1	5	21.24	21.29	21.20						
1.4	64QAM	3	0	21.28	21.48	21.48						
1.4	64QAM	3	1	21.34	21.46	21.45						
1.4	64QAM	3	3	21.24	21.29	21.28						
1.4	64QAM	6	0	20.18	20.27	20.27	21.5	3				

Band 38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37650	38000	38150			
20	QPSK	1	0	23.04	23.09	23.10	24	0	
20	QPSK	1	49	22.98	23.07	22.91			
20	QPSK	1	99	22.98	23.00	22.98			
20	QPSK	50	0	22.50	22.56	22.40			
20	QPSK	50	24	22.49	22.46	22.31			
20	QPSK	50	50	22.41	22.48	22.36	23.5	0.5	
20	16QAM	100	0	22.49	22.52	22.36			
20	16QAM	1	0	22.51	22.56	22.52			
20	16QAM	1	49	22.74	22.77	22.73			
20	16QAM	1	99	22.50	22.50	22.48			
20	16QAM	50	0	21.36	21.40	21.35	22.5	1.5	
20	16QAM	50	24	21.55	21.51	21.60			
20	16QAM	50	50	21.65	21.66	21.84			
20	16QAM	100	0	21.61	21.57	21.82			
20	64QAM	1	0	21.30	21.22	21.23			
20	64QAM	1	49	21.53	21.49	21.52	21.5	2.5	
20	64QAM	1	99	21.36	21.33	21.43			
20	64QAM	50	0	20.57	20.58	20.56			
20	64QAM	50	24	20.54	20.53	20.55			
20	64QAM	50	50	20.73	20.70	20.73			
20	64QAM	100	0	20.43	20.46	20.45	Channel		
Frequency (MHz)				37625	38000	38175	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.02	22.99	23.02	24	0	
15	QPSK	1	37	23.04	23.05	23.05			
15	QPSK	1	74	22.91	22.95	22.91			
15	QPSK	36	0	22.50	22.49	22.54			
15	QPSK	36	20	22.45	22.39	22.43			
15	QPSK	36	39	22.43	22.39	22.41	23.5	0.5	
15	QPSK	75	0	22.48	22.42	22.51			
15	16QAM	1	0	22.47	22.47	22.50			
15	16QAM	1	37	22.68	22.70	22.75			
15	16QAM	1	74	22.49	22.45	22.44			
15	16QAM	36	0	21.35	21.38	21.35	22.5	1.5	
15	16QAM	36	20	21.50	21.47	21.45			
15	16QAM	36	39	21.58	21.58	21.58			
15	16QAM	75	0	21.49	21.53	21.52			
15	64QAM	1	0	21.12	21.16	21.19			
15	64QAM	1	37	21.42	21.40	21.48	21.5	2.5	
15	64QAM	1	74	21.36	21.36	21.40			
15	64QAM	36	0	20.57	20.58	20.51			
15	64QAM	36	20	20.44	20.46	20.50			
15	64QAM	36	39	20.69	20.61	20.65			
15	64QAM	75	0	20.44	20.40	20.45	Channel		
Frequency (MHz)				37650	38000	38200	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.04	22.99	23.03	24	0	
10	QPSK	1	25	23.05	23.04	22.98			
10	QPSK	1	49	22.97	22.92	22.97			
10	QPSK	25	0	22.50	22.50	22.55			
10	QPSK	25	12	22.38	22.36	22.45			
10	QPSK	25	25	22.38	22.45	22.39	23.5	0.5	
10	QPSK	50	0	22.50	22.49	22.48			
10	16QAM	1	0	22.52	22.52	22.52			
10	16QAM	1	25	22.74	22.69	22.73			
10	16QAM	1	49	22.45	22.44	22.41			
10	16QAM	25	0	21.38	21.33	21.35	22.5	1.5	
10	16QAM	25	12	21.43	21.47	21.45			
10	16QAM	25	25	21.64	21.59	21.58			
10	16QAM	50	0	21.51	21.53	21.53			
10	64QAM	1	0	21.15	21.15	21.19			
10	64QAM	1	25	21.45	21.40	21.47	21.5	2.5	
10	64QAM	1	49	21.35	21.34	21.42			
10	64QAM	25	0	20.54	20.49	20.57			
10	64QAM	25	12	20.46	20.50	20.52			
10	64QAM	25	25	20.62	20.65	20.63			
10	64QAM	50	0	20.45	20.36	20.45	Channel		
Frequency (MHz)				37775	38000	38225	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.02	23.07	23.07	24	0	
5	QPSK	1	12	23.02	23.01	22.99			
5	QPSK	1	24	22.94	22.91	22.95			
5	QPSK	12	0	22.47	22.53	22.52			
5	QPSK	12	7	22.39	22.43	22.37			
5	QPSK	12	13	22.41	22.40	22.42	23.5	0.5	
5	QPSK	25	0	22.48	22.43	22.48			
5	16QAM	1	0	22.53	22.51	22.46			
5	16QAM	1	12	22.69	22.68	22.72			
5	16QAM	1	24	22.43	22.41	22.41			
5	16QAM	12	0	21.31	21.30	21.32	22.5	1.5	
5	16QAM	12	7	21.48	21.43	21.46			
5	16QAM	12	13	21.62	21.58	21.59			
5	16QAM	25	0	21.48	21.48	21.52			
5	64QAM	1	0	21.20	21.19	21.12			
5	64QAM	1	12	21.43	21.43	21.43	21.5	2.5	
5	64QAM	1	24	21.34	21.34	21.35			
5	64QAM	12	0	20.52	20.55	20.52			
5	64QAM	12	7	20.50	20.49	20.48			
5	64QAM	12	13	20.64	20.65	20.67			
5	64QAM	25	0	20.41	20.45	20.36			

Band 38_Ant 31												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				37650	38000	38150						
20	QPSK	1	0	23.49	23.65	23.57	24.5	0				
20	QPSK	1	49	23.48	23.46	23.43						
20	QPSK	1	99	23.44	23.56	23.52						
20	QPSK	50	0	22.70	22.79	22.73						
20	QPSK	50	24	22.66	22.62	22.62						
20	QPSK	50	50	22.54	22.62	22.58	23.5	1				
20	QPSK	100	0	22.71	22.77	22.52						
20	16QAM	1	0	22.71	22.42	22.43						
20	16QAM	1	49	22.85	22.81	22.70						
20	16QAM	1	99	22.54	23.03	22.84						
20	16QAM	50	0	21.57	21.48	21.43	22.5	2				
20	16QAM	50	24	21.80	21.61	21.70						
20	16QAM	50	50	21.72	21.74	21.73						
20	16QAM	100	0	21.65	21.62	21.82						
20	64QAM	1	0	21.82	22.01	21.13						
20	64QAM	1	49	21.52	21.87	21.65	22.5	2				
20	64QAM	1	99	21.60	21.72	21.52						
20	64QAM	50	0	20.57	20.52	20.55						
20	64QAM	50	24	20.67	20.58	20.69						
20	64QAM	50	50	20.78	20.84	20.71						
20	64QAM	100	0	20.76	20.60	20.49	21.5	3				
Channel												
Frequency (MHz)				37625 <th>38000</th> <th>38175</th> <th>Time-up limit (dBm)</th> <th>MPR (dB)</th>	38000	38175				Time-up limit (dBm)	MPR (dB)	
				37625	38000	38175						
15	QPSK	1	0	23.37	23.50	23.56				24.5	0	
15	QPSK	1	37	23.30	23.31	23.56						
15	QPSK	1	74	23.30	23.47	23.43						
15	QPSK	36	0	22.54	22.66	22.63						
15	QPSK	36	20	22.52	22.61	22.61						
15	QPSK	36	20	22.52	22.64	22.62	23.5	1				
15	QPSK	75	0	22.60	22.63	22.46						
15	16QAM	1	0	22.57	22.30	22.31						
15	16QAM	1	37	22.83	22.81	22.83						
15	16QAM	1	74	22.47	22.77	22.63						
15	16QAM	36	0	21.47	21.47	21.36	22.5	2				
15	16QAM	36	20	21.74	21.54	21.65						
15	16QAM	36	39	21.63	21.73	21.85						
15	16QAM	75	0	21.58	21.58	21.61						
15	64QAM	1	0	21.67	21.93	21.09						
15	64QAM	1	37	21.76	21.76	21.59	22.5	2				
15	64QAM	1	74	21.59	21.67	21.42						
15	64QAM	36	0	20.46	20.47	20.42						
15	64QAM	36	20	20.59	20.53	20.51						
15	64QAM	36	39	20.71	20.69	20.68						
15	64QAM	75	0	20.68	20.56	20.45	21.5	3				
Channel												
Frequency (MHz)				37625 <th>38000<th>38175</th><th>Time-up limit (dBm)</th><th>MPR (dB)</th></th>	38000 <th>38175</th> <th>Time-up limit (dBm)</th> <th>MPR (dB)</th>	38175				Time-up limit (dBm)	MPR (dB)	
				37625	38000	38175						
10	QPSK	1	0	23.46	23.63	23.53				24.5	0	
10	QPSK	1	25	23.28	23.34	23.52						
10	QPSK	1	49	23.28	23.43	23.54						
10	QPSK	25	0	22.66	22.79	22.64						
10	QPSK	25	12	22.62	22.65	22.58						
10	QPSK	25	25	22.63	22.47	22.50	23.5	1				
10	QPSK	50	0	22.70	22.64	22.42						
10	16QAM	1	0	22.68	22.33	22.38						
10	16QAM	1	25	22.72	22.72	22.60						
10	16QAM	1	49	22.69	22.69	22.74						
10	16QAM	25	0	21.42	21.32	21.28	22.5	2				
10	16QAM	25	12	21.71	21.50	21.64						
10	16QAM	25	25	21.64	21.68	21.62						
10	16QAM	50	0	21.64	21.51	21.52						
10	64QAM	1	0	21.36	21.36	21.08						
10	64QAM	1	25	21.37	21.78	21.51	22.5	2				
10	64QAM	1	49	21.59	21.66	21.44						
10	64QAM	25	0	20.48	20.50	20.50						
10	64QAM	25	12	20.52	20.51	20.62						
10	64QAM	25	25	20.67	20.60	20.65						
10	64QAM	50	0	20.71	20.52	20.38	21.5	3				
Channel												
Frequency (MHz)				37775 <th>38000</th> <th>38225</th> <th>Time-up limit (dBm)</th> <th>MPR (dB)</th>	38000	38225				Time-up limit (dBm)	MPR (dB)	
				25752	25955	2617.5						
5	QPSK	1	0	23.33	23.55	23.48				24.5	0	
5	QPSK	1	12	23.30	23.37	23.41						
5	QPSK	1	24	23.31	23.52	23.42						
5	QPSK	12	0	22.62	22.65	22.58						
5	QPSK	12	7	22.63	22.46	22.58						
5	QPSK	12	13	22.40	22.49	22.48	23.5	1				
5	QPSK	25	0	22.67	22.81	22.42						
5	QPSK	1	0	22.57	22.28	22.30						
5	16QAM	1	0	22.49	22.49	22.57						
5	16QAM	1	24	22.45	22.87	22.74						
5	16QAM	12	0	21.56	21.41	21.35	22.5	2				
5	16QAM	12	7	21.77	21.55	21.61						
5	16QAM	12	13	21.65	21.63	21.59						
5	16QAM	25	0	21.30	21.31	21.48						
5	64QAM	1	0	21.87	21.97	21.03						
5	64QAM	1	12	21.42	21.83	21.53	22.5	2				
5	64QAM	1	24	21.57	21.65	21.51						
5	64QAM	12	0	20.52	20.48	20.51						
5	64QAM	12	13	20.58	20.52	20.53						
5	64QAM	12	13	20.77	20.82	20.70						
5	64QAM	25	0	20.75	20.58	20.34	21.5	3				



Band 41_Ant 13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	39750	40185	40620	41055	41490	24	0		
20	QPSK	1	49	23.14	23.17	23.21	23.12	23.06				
20	QPSK	1	99	23.07	23.07	23.13	23.08	23.08				
20	QPSK	50	0	22.59	22.58	22.63	22.58	22.62				
20	QPSK	50	24	22.50	22.57	22.53	22.54	22.57	23.5	0.5		
20	QPSK	50	50	22.51	22.53	22.59	22.52	22.52				
20	QPSK	100	0	22.51	22.51	22.59	22.57	22.57				
20	16QAM	1	0	22.52	22.52	22.60	22.52	22.54				
20	16QAM	1	49	22.58	22.51	22.58	22.55	22.55	23.5	0.5		
20	16QAM	1	99	22.56	22.53	22.55	22.57	22.52				
20	16QAM	50	0	21.51	21.57	21.51	21.49	21.54				
20	16QAM	50	24	21.51	21.48	21.59	21.48	21.56				
20	16QAM	50	50	21.49	21.52	21.54	21.55	21.61	22.5	1.5		
20	16QAM	100	0	21.53	21.55	21.53	21.48	21.60				
20	64QAM	1	0	21.57	21.57	21.59	21.49	21.58				
20	64QAM	1	49	21.56	21.54	21.57	21.48	21.61				
20	64QAM	1	99	21.56	21.56	21.59	21.49	21.61	22.5	1.5		
20	64QAM	50	0	20.56	20.55	20.58	20.48	20.60				
20	64QAM	50	24	20.58	20.52	20.60	20.53	20.53				
20	64QAM	50	50	20.58	20.48	20.55	20.54	20.60				
20	64QAM	100	0	20.55	20.48	20.52	20.53	20.59	21.5	2.5		
Channel												
Frequency (MHz)												
15	QPSK	1	0	3903.5	3946.5	3989.5	4032.5	4075.5	24	0		
15	QPSK	1	37	23.02	23.03	23.10	23.03	23.09				
15	QPSK	1	74	23.04	23.11	23.07	23.05	23.04				
15	QPSK	36	0	22.55	22.59	22.61	22.52	22.61				
15	QPSK	36	20	22.43	22.48	22.46	22.49	22.50	23.5	0.5		
15	QPSK	36	39	22.51	22.52	22.57	22.52	22.59				
15	QPSK	75	0	22.57	22.58	22.50	22.58	22.53				
15	16QAM	1	0	22.58	22.58	22.51	22.50	22.51				
15	16QAM	1	37	22.51	22.57	22.50	22.48	22.56	23.5	0.5		
15	16QAM	1	74	22.50	22.54	22.50	22.49	22.56				
15	16QAM	36	0	21.46	21.47	21.48	21.44	21.51				
15	16QAM	36	20	21.56	21.52	21.50	21.57	21.52				
15	16QAM	36	39	21.53	21.51	21.46	21.48	21.57	22.5	1.5		
15	16QAM	75	0	21.46	21.50	21.45	21.44	21.47				
15	64QAM	1	0	21.49	21.51	21.54	21.53	21.55				
15	64QAM	1	37	21.55	21.47	21.48	21.51	21.55				
15	64QAM	1	74	21.50	21.48	21.48	21.51	21.46	22.5	1.5		
15	64QAM	36	0	20.52	20.54	20.53	20.51	20.53				
15	64QAM	36	20	20.55	20.50	20.54	20.56	20.59				
15	64QAM	36	39	20.47	20.46	20.49	20.51	20.51				
15	64QAM	75	0	20.47	20.51	20.44	20.46	20.43	20.5	2.5		
Channel												
Frequency (MHz)												
10	QPSK	1	0	39700	40160	40620	41080	41540	24	0		
10	QPSK	1	25	23.09	23.03	23.06	23.10	23.20				
10	QPSK	1	49	23.04	23.12	23.12	23.04	23.11				
10	QPSK	25	0	22.56	22.55	22.62	22.54	22.59				
10	QPSK	25	12	22.50	22.51	22.46	22.48	22.43	23.5	0.5		
10	QPSK	25	25	22.56	22.56	22.55	22.54	22.58				
10	QPSK	50	0	22.54	22.51	22.55	22.51	22.54				
10	16QAM	1	0	22.53	22.50	22.52	22.57	22.51				
10	16QAM	1	25	22.53	22.53	22.53	22.53	22.48	23.5	0.5		
10	16QAM	1	49	22.47	22.45	22.51	22.51	22.48				
10	16QAM	25	0	21.42	21.47	21.50	21.48	21.42				
10	16QAM	25	12	21.46	21.57	21.58	21.51	21.52				
10	16QAM	25	25	21.46	21.44	21.52	21.52	21.47	22.5	1.5		
10	16QAM	50	0	21.48	21.52	21.44	21.47	21.50				
10	64QAM	1	0	21.54	21.51	21.57	21.57	21.51				
10	64QAM	1	25	21.52	21.51	21.56	21.53	21.48				
10	64QAM	1	49	21.51	21.52	21.46	21.51	21.48	22.5	1.5		
10	64QAM	25	0	20.54	20.50	20.55	20.55	20.51				
10	64QAM	25	12	20.53	20.52	20.50	20.57	20.52				
10	64QAM	25	25	20.47	20.46	20.47	20.53	20.46				
10	64QAM	50	0	20.50	20.48	20.42	20.46	20.45	21.5	2.5		
Channel												
Frequency (MHz)												
5	QPSK	1	0	2468.5	2545.8	2593	2640.30	2687.5	24	0		
5	QPSK	1	12	23.02	23.04	23.11	23.08	23.07				
5	QPSK	1	24	23.07	23.07	23.13	23.08	23.09				
5	QPSK	12	0	22.61	22.61	22.57	22.59	22.54				
5	QPSK	12	7	22.44	22.49	22.50	22.46	22.52	23.5	0.5		
5	QPSK	12	13	22.50	22.51	22.53	22.56	22.51				
5	QPSK	25	0	22.54	22.53	22.53	22.52	22.49				
5	16QAM	1	0	22.53	22.55	22.53	22.57	22.55				
5	16QAM	1	12	22.55	22.50	22.49	22.51	22.43	23.5	0.5		
5	16QAM	1	24	22.47	22.47	22.46	22.50	22.52				
5	16QAM	12	0	21.48	21.48	21.46	21.45	21.50				
5	16QAM	12	7	21.58	21.52	21.53	21.55	21.49				
5	16QAM	12	13	21.46	21.53	21.44	21.48	21.49	22.5	1.5		
5	16QAM	25	0	21.51	21.45	21.44	21.47	21.43				
5	64QAM	1	0	21.58	21.53	21.57	21.57	21.53				
5	64QAM	1	12	21.51	21.49	21.48	21.50	21.49				
5	64QAM	1	24	21.47	21.48	21.48	21.44	21.51	22.5	1.5		
5	64QAM	12	0	20.48	20.54	20.54	20.55	20.54				
5	64QAM	12	7	20.52	20.58	20.58	20.52	20.55				
5	64QAM	12	13	20.53	20.50	20.46	20.54	20.46				
5	64QAM	25	0	20.44	20.43	20.44	20.50	20.42	21.5	2.5		

Band 41_Ant 31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
Frequency (MHz)				25915	26350	26785	27220	27655		
20	QPSK	1	0	23.26	23.46	23.72	23.50	23.81	24.5	0
20	QPSK	1	49	23.19	23.40	23.55	23.48	23.49		
20	QPSK	1	99	23.22	23.32	23.45	23.38	23.55		
20	QPSK	50	0	22.60	22.66	22.70	22.57	22.86		
20	QPSK	50	24	22.55	22.58	22.59	22.54	22.52	23.5	1
20	QPSK	50	50	22.59	22.62	22.59	22.55	22.85		
20	QPSK	100	0	22.47	22.61	22.69	22.45	22.51		
20	16QAM	1	0	22.06	22.54	22.51	22.26	22.48		
20	16QAM	1	49	22.31	22.63	22.56	22.37	22.23	23.5	1
20	16QAM	1	99	22.31	22.33	22.86	22.42	22.55		
20	16QAM	50	0	21.41	21.52	21.59	21.55	21.66		
20	16QAM	50	24	21.50	21.62	21.59	21.54	21.58		
20	16QAM	50	50	21.51	21.46	21.69	21.52	21.67	22.5	2
20	16QAM	100	0	21.51	21.48	21.63	21.31	21.54		
20	64QAM	1	0	21.27	21.57	21.35	21.88	21.35		
20	64QAM	1	49	21.45	21.50	21.43	21.51	21.30		
20	64QAM	1	99	21.46	21.49	21.52	21.34	21.27	22.5	2
20	64QAM	50	0	20.48	20.53	20.44	20.41	20.54		
20	64QAM	50	24	20.50	20.60	20.58	20.49	20.55		
20	64QAM	50	50	20.41	20.50	20.83	20.63	20.71	21.5	3
20	64QAM	100	0	20.46	20.56	20.58	20.50	20.61		
Channel				39675	40110	40545	40980	41415		
Frequency (MHz)				26035	26473	26907	27342	27775	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.15	23.37	23.67	23.35	23.63	24.5	0
15	QPSK	1	37	23.15	23.24	23.48	23.33	23.41		
15	QPSK	1	74	23.07	23.30	23.42	23.27	23.48		
15	QPSK	36	0	22.57	22.63	22.63	22.41	22.53		
15	QPSK	36	24	22.44	22.54	22.54	22.41	22.44	23.5	1
15	QPSK	36	39	22.51	22.59	22.55	22.39	22.63		
15	QPSK	75	0	22.37	22.51	22.55	22.38	22.39		
15	16QAM	1	0	22.01	22.49	22.48	22.21	22.39		
15	16QAM	1	37	22.18	22.48	22.54	22.31	22.14	23.5	1
15	16QAM	1	74	22.17	22.39	22.66	22.41	22.43		
15	16QAM	36	0	21.28	21.51	21.54	21.38	21.28		
15	16QAM	36	20	21.44	21.58	21.54	21.42	21.42		
15	16QAM	36	39	21.37	21.40	21.63	21.47	21.65	22.5	2
15	16QAM	75	0	21.46	21.46	21.48	21.18	21.48		
15	64QAM	1	0	21.16	21.43	21.24	21.49	21.34		
15	64QAM	1	37	21.35	21.35	21.38	21.43	21.28		
15	64QAM	1	74	20.98	21.37	21.72	21.22	21.62	21.5	3
15	64QAM	36	0	20.37	20.37	20.40	20.34	20.38		
15	64QAM	36	20	20.43	20.47	20.48	20.34	20.49		
15	64QAM	39	0	20.27	20.38	20.80	20.54	20.67		
15	64QAM	75	0	20.34	20.51	20.45	20.45	20.57	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				25911	26477	26933	27393	27855		
10	QPSK	1	0	23.18	23.33	23.56	23.45	23.52	24.5	0
10	QPSK	1	25	23.16	23.25	23.44	23.33	23.36		
10	QPSK	1	49	23.16	23.29	23.41	23.24	23.35		
10	QPSK	1	9	23.46	22.52	22.52	22.52	22.57		
10	QPSK	25	12	22.53	22.48	22.53	22.39	22.47	23.5	1
10	QPSK	25	25	22.55	22.48	22.50	22.40	22.63		
10	QPSK	50	0	22.33	22.48	22.54	22.39	22.36		
10	16QAM	1	0	21.97	22.45	22.49	22.21	22.39		
10	16QAM	1	25	22.18	22.54	22.52	22.26	22.39	23.5	1
10	16QAM	1	49	22.15	22.19	22.37	22.38	21.46		
10	16QAM	25	0	21.27	21.40	21.52	21.54	21.57		
10	16QAM	25	12	21.36	21.48	21.45	21.43	21.56		
10	16QAM	25	25	21.46	21.32	21.68	21.46	21.64	22.5	2
10	16QAM	50	0	21.46	21.46	21.48	21.29	21.50		
10	64QAM	1	0	21.11	21.55	21.31	21.74	21.30		
10	64QAM	1	25	21.39	21.48	21.38	21.38	21.20		
10	64QAM	1	49	20.98	21.48	21.66	21.20	21.69	22.5	2
10	64QAM	25	0	20.40	20.41	20.29	20.33	20.49		
10	64QAM	25	12	20.41	20.50	20.56	20.34	20.54		
10	64QAM	25	25	20.33	20.40	20.47	20.38	20.67		
10	64QAM	50	0	20.40	20.48	20.45	20.35	20.26	21.5	3
Channel				39675	40140	40620	41083	41555		
Frequency (MHz)				26895	26458	25931	264030	26875		
5	QPSK	1	0	23.16	23.34	23.59	23.40	23.48		
5	QPSK	1	12	23.04	23.37	23.51	23.43	23.48		
5	QPSK	1	24	23.00	23.21	23.45	23.38	23.45		
5	QPSK	12	0	22.50	22.64	22.65	22.56	22.60		
5	QPSK	12	7	22.50	22.44	22.54	22.48	22.39	23.5	1
5	QPSK	12	13	22.48	22.61	22.52	22.49	22.56		
5	QPSK	25	0	22.40	22.51	22.62	22.43	22.45		
5	16QAM	1	0	21.99	22.48	22.43	22.25	22.33		
5	16QAM	1	12	22.29	22.47	22.43	22.35	22.17	22.5	1
5	16QAM	1	24	22.23	22.31	22.74	22.35	22.42		
5	16QAM	12	0	21.26	21.41	21.48	21.53	21.57		
5	16QAM	12	7	21.34	21.46	21.43	21.40	21.54		
5	16QAM	12	13	21.40	21.42	21.63	21.41	21.54	22.5	2
5	16QAM	25	0	21.46	21.34	21.34	21.44	21.44		
5	64QAM	1	0	21.23	21.56	21.29	21.75	21.32		
5	64QAM	1	12	21.37	21.39	21.37	21.36	21.21		
5	64QAM	1	24	20.96	21.37	21.69	21.27	21.61	21.5	3
5	64QAM	12	0	20.36	20.51	20.32	20.34	20.52		
5	64QAM	12	7	20.41	20.47	20.47	20.44	20.44		
5	64QAM	12	13	20.27	20.47	20.77	20.49	20.66		
5	64QAM	25	0	20.33	20.41	20.42	20.49	20.46		

Reduced Power Mode for DSI5

GSM850_Ant 13		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		128	189	251	Tune-up Limit		
Frequency (MHz)		824.2	836.4	848.6	128		
GSM 1 Tx slot		32.85	32.92	32.78	23.65		
GPRS/EDGE GMSK 1 Tx slot		32.63	32.90	32.74	23.50		
GPRS/EDGE GMSK 2 Tx slots		30.33	30.53	30.45	24.33		
GPRS/EDGE GMSK 3 Tx slots		28.36	28.89	28.01	24.10		
GPRS/EDGE GMSK 4 Tx slots		27.17	27.40	27.22	24.00		
EDGE BPSK 1 Tx slot		26.86	26.79	26.80	17.86		
EDGE BPSK 2 Tx slots		25.12	25.01	25.02	19.12		
EDGE BPSK 3 Tx slots		22.97	23.01	23.05	18.71		
EDGE BPSK 4 Tx slots		21.52	21.56	21.63	18.52		

GSM1800_Ant 13		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		512	661	810	Tune-up Limit		
Frequency (MHz)		1850.2	1880	1909.8	1850.2		
GSM 1 Tx slot		26.33	28.27	28.37	29.00		
GPRS/EDGE GMSK 1 Tx slot		26.31	28.26	28.35	29.00		
GPRS/EDGE GMSK 2 Tx slots		25.32	25.35	25.36	27.00		
GPRS/EDGE GMSK 3 Tx slots		23.62	23.74	23.53	25.00		
GPRS/EDGE GMSK 4 Tx slots		22.23	22.33	22.16	23.50		
EDGE BPSK 1 Tx slot		26.12	26.39	26.01	27.00		
EDGE BPSK 2 Tx slots		24.30	24.24	24.36	25.00		
EDGE BPSK 3 Tx slots		22.37	22.31	22.30	23.00		
EDGE BPSK 4 Tx slots		20.56	20.51	20.52	21.50		

Band		WCDMA II_Ant 13			WCDMA II_Ant 31		
TX Channel		9262	9400	9538	Tune-up Limit		
Rx Channel		9692	9800	9938	9692		
Frequency (MHz)		1852.4	1880	1907.6	1852.4		
3GPP Rel 99	AMR 12.2Kbps	20.45	20.46	20.43	21.00	20.40	20.36
3GPP Rel 99	RMC 12.2Kbps	20.48	20.40	20.46	21.00	20.41	20.44
3GPP Rel 6	HSDPA Subtest-1	19.39	19.31	19.31	20.50	19.33	19.35
3GPP Rel 6	HSDPA Subtest-2	19.36	19.35	19.31	20.50	19.43	19.37
3GPP Rel 6	HSDPA Subtest-3	19.92	19.81	19.81	20.00	19.87	19.76
3GPP Rel 6	HSDPA Subtest-4	19.92	19.80	19.84	20.00	19.90	19.81
3GPP Rel 8	DC-HSDPA Subtest-1	19.23	19.15	19.19	20.50	19.36	19.28
3GPP Rel 8	DC-HSDPA Subtest-2	19.33	19.19	19.16	20.50	19.34	19.27
3GPP Rel 8	DC-HSDPA Subtest-3	18.87	18.76	18.66	20.00	18.71	18.64
3GPP Rel 8	DC-HSDPA Subtest-4	18.77	18.76	18.75	20.00	18.94	18.75
3GPP Rel 6	HSUPA Subtest-1	19.36	19.33	19.29	20.50	19.40	19.41
3GPP Rel 6	HSUPA Subtest-2	17.30	17.29	17.44	18.50	17.36	17.40
3GPP Rel 6	HSUPA Subtest-3	18.31	18.39	18.35	19.50	18.29	18.33
3GPP Rel 6	HSUPA Subtest-4	17.36	17.40	17.34	18.50	17.32	17.34
3GPP Rel 6	HSUPA Subtest-5	19.33	19.33	19.33	20.50	19.40	19.34
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.28	18.29	18.26	19.50	18.31	18.50

Band		WCDMA V_Ant 13			WCDMA V_Ant 31		
TX Channel		4132	4162	4233	Tune-up Limit		
Rx Channel		4357	4407	4458	4357		
Frequency (MHz)		826.4	836.4	846.6	826.4		
3GPP Rel 99	AMR 12.2Kbps	24.33	24.36	24.36	25.00	24.25	24.37
3GPP Rel 99	RMC 12.2Kbps	24.35	24.40	24.37	25.00	24.27	24.39
3GPP Rel 6	HSDPA Subtest-1	23.52	23.61	23.58	24.50	23.46	23.53
3GPP Rel 6	HSDPA Subtest-2	23.54	23.57	23.59	24.50	23.47	23.54
3GPP Rel 6	HSDPA Subtest-3	22.99	23.08	23.08	24.00	22.84	22.97
3GPP Rel 6	HSDPA Subtest-4	23.02	23.09	23.08	24.00	22.84	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.39	23.54	23.55	24.50	23.45	23.47
3GPP Rel 8	DC-HSDPA Subtest-2	23.50	23.41	23.48	24.50	23.45	23.47
3GPP Rel 8	DC-HSDPA Subtest-3	22.97	22.96	23.00	24.00	22.83	22.86
3GPP Rel 8	DC-HSDPA Subtest-4	22.99	22.96	22.99	24.00	22.81	22.85
3GPP Rel 6	HSUPA Subtest-1	23.52	23.55	23.60	24.50	23.46	23.55
3GPP Rel 6	HSUPA Subtest-2	21.54	21.69	21.69	22.50	21.50	21.51
3GPP Rel 6	HSUPA Subtest-3	22.99	22.97	22.97	23.50	22.47	22.51
3GPP Rel 6	HSUPA Subtest-4	21.56	21.59	21.58	23.00	21.52	21.47
3GPP Rel 6	HSUPA Subtest-5	23.60	23.60	23.60	24.50	23.50	23.60
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.66	22.67	22.64	23.50	22.51	22.53

GSM850_Ant 31		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		128	189	251	Tune-up Limit		
Frequency (MHz)		824.2	836.4	848.6	128		
GSM 1 Tx slot		32.60	32.95	32.74	23.50		
GPRS/EDGE GMSK 1 Tx slot		32.59	32.91	32.72	23.50		
GPRS/EDGE GMSK 2 Tx slots		30.31	30.56	30.47	24.31		
GPRS/EDGE GMSK 3 Tx slots		27.80	28.85	28.62	24.34		
GPRS/EDGE GMSK 4 Tx slots		27.04	27.22	27.20	24.04		
EDGE BPSK 1 Tx slot		26.89	26.83	26.80	17.89		
EDGE BPSK 2 Tx slots		24.98	24.81	25.01	18.99		
EDGE BPSK 3 Tx slots		22.99	23.02	23.25	18.73		
EDGE BPSK 4 Tx slots		21.63	21.38	21.56	18.63		

GSM1800_Ant 31		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		512	661	810	Tune-up Limit		
Frequency (MHz)		1850.2	1880	1909.8	1850.2		
GSM 1 Tx slot		29.37	29.40	29.33	30.00	20.37	20.40
GPRS/EDGE GMSK 1 Tx slot		29.34	29.36	29.30	30.00	20.34	20.36
GPRS/EDGE GMSK 2 Tx slots		26.56	26.58	26.55	28.00	20.56	20.58
GPRS/EDGE GMSK 3 Tx slots		24.60	24.63	24.58	26.00	20.34	20.37
GPRS/EDGE GMSK 4 Tx slots		23.38	23.42	23.36	24.50	20.38	20.42
EDGE BPSK 1 Tx slot		25.91	25.96	26.01	27.00	16.91	16.96
EDGE BPSK 2 Tx slots		24.20	24.20	24.23	26.00	18.20	18.23
EDGE BPSK 3 Tx slots		22.18	22.17	22.35	23.00	17.92	17.81
EDGE BPSK 4 Tx slots		20.64	20.57	20.56	21.50	17.64	17.57

Band		WCDMA IV_Ant 13			WCDMA IV_Ant 31		
TX Channel		1312	1413	1513	Tune-up Limit		
Rx Channel		1537	1638	1738	1537		
Frequency (MHz)		1712.4	1732.6	1752.6	1712.4		
3GPP Rel 99	AMR 12.2Kbps	21.39	21.46	21.43	22.00	20.85	20.86
3GPP Rel 99	RMC 12.2Kbps	21.40	21.49	21.45	22.00	20.87	20.89
3GPP Rel 6	HSDPA Subtest-1	20.30	20.50	20.44	21.50	19.90	20.05
3GPP Rel 6	HSDPA Subtest-2	20.34	20.52	20.36	21.50	19.87	20.00
3GPP Rel 6	HSDPA Subtest-3	19.72	19.96	19.94	21.00	19.39	19.51
3GPP Rel 6	HSDPA Subtest-4	19.85	19.96	19.89	21.00	19.47	19.53
3GPP Rel 8	DC-HSDPA Subtest-1	20.34	20.39	20.35	21.50	19.84	19.83
3GPP Rel 8	DC-HSDPA Subtest-2	20.27	20.30	20.33	21.50	19.78	19.98
3GPP Rel 8	DC-HSDPA Subtest-3	19.76	19.83	19.82	21.00	19.41	19.49
3GPP Rel 8	DC-HSDPA Subtest-4	19.82	19.98	19.87	21.00	19.33	19.54
3GPP Rel 6	HSUPA Subtest-1	20.35	20.51	20.39	21.50	19.89	20.07
3GPP Rel 6	HSUPA Subtest-2	18.38	18.42	18.50	19.50	17.95	17.98
3GPP Rel 6	HSUPA Subtest-3	19.46	19.48	19.42	20.50	18.79	18.99
3GPP Rel 6	HSUPA Subtest-4	18.42	18.35	18.42	19.50	17.86	18.06
3GPP Rel 6	HSUPA Subtest-5	20.36	20.46	20.50	21.50	19.91	20.03
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.51	19.50	19.43	20.50	18.90	19.03

Band 2_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power ModB	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.62	19.71	19.81	20.5	0		
20	QPSK	1	49	19.54	19.59	19.69	20.5	0		
20	QPSK	1	99	19.59	19.69	19.53	20.5	0		
20	QPSK	50	0	19.56	19.62	19.53	20.5	0		
20	QPSK	50	24	19.47	19.54	19.47	20.5	0		
20	QPSK	50	50	19.56	19.60	19.50	20.5	0		
20	16QAM	1	0	19.52	19.60	19.45	20.5	0		
20	16QAM	1	49	19.53	19.58	19.50	20.5	0		
20	16QAM	1	99	19.51	19.54	19.45	20.5	0		
20	16QAM	50	0	19.55	19.56	19.49	20.5	0		
20	16QAM	50	24	19.48	19.56	19.45	20.5	0		
20	16QAM	50	50	19.46	19.60	19.50	20.5	0		
20	64QAM	1	0	19.53	19.54	19.45	20.5	0		
20	64QAM	1	49	19.53	19.57	19.50	20.5	0		
20	64QAM	1	99	19.54	19.52	19.46	20.5	0		
20	64QAM	50	0	19.49	19.59	19.50	20.5	0		
20	64QAM	50	24	19.49	19.57	19.51	20.5	0		
20	64QAM	50	50	19.50	19.55	19.47	20.5	0		
20	64QAM	100	0	19.53	19.53	19.52	20.5	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.70	19.81	19.70	20.5	0		
15	QPSK	1	37	19.63	19.57	19.61	20.5	0		
15	QPSK	1	74	19.63	19.66	19.63	20.5	0		
15	QPSK	36	0	19.52	19.54	19.53	20.5	0		
15	QPSK	36	20	19.44	19.45	19.47	20.5	0		
15	QPSK	36	39	19.59	19.54	19.54	20.5	0		
15	QPSK	75	0	19.56	19.56	19.58	20.5	0		
15	16QAM	1	0	19.54	19.58	19.57	20.5	0		
15	16QAM	1	37	19.50	19.53	19.53	20.5	0		
15	16QAM	1	74	19.46	19.48	19.45	20.5	0		
15	16QAM	36	0	19.55	19.55	19.51	20.5	0		
15	16QAM	36	20	19.48	19.49	19.50	20.5	0		
15	16QAM	36	39	19.57	19.50	19.52	20.5	0		
15	16QAM	75	0	19.52	19.53	19.56	20.5	0		
15	64QAM	1	0	19.48	19.49	19.45	20.5	0		
15	64QAM	1	37	19.49	19.53	19.51	20.5	0		
15	64QAM	1	74	19.45	19.42	19.47	20.5	0		
15	64QAM	36	0	19.55	19.57	19.49	20.5	0		
15	64QAM	36	20	19.51	19.51	19.49	20.5	0		
15	64QAM	36	39	19.47	19.45	19.54	20.5	0		
15	64QAM	75	0	19.51	19.48	19.46	20.5	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.65	19.80	19.65	20.5	0		
10	QPSK	1	25	19.59	19.54	19.63	20.5	0		
10	QPSK	1	49	19.59	19.67	19.67	20.5	0		
10	QPSK	25	0	19.54	19.60	19.59	20.5	0		
10	QPSK	25	12	19.47	19.46	19.44	20.5	0		
10	QPSK	25	25	19.54	19.59	19.52	20.5	0		
10	QPSK	50	0	19.56	19.57	19.53	20.5	0		
10	16QAM	1	0	19.56	19.56	19.52	20.5	0		
10	16QAM	1	25	19.56	19.57	19.53	20.5	0		
10	16QAM	1	49	19.50	19.46	19.49	20.5	0		
10	16QAM	25	0	19.49	19.48	19.54	20.5	0		
10	16QAM	25	12	19.48	19.48	19.45	20.5	0		
10	16QAM	25	25	19.50	19.56	19.50	20.5	0		
10	16QAM	50	0	19.57	19.57	19.50	20.5	0		
10	64QAM	1	0	19.51	19.47	19.45	20.5	0		
10	64QAM	1	25	19.47	19.52	19.51	20.5	0		
10	64QAM	1	49	19.48	19.45	19.51	20.5	0		
10	64QAM	25	0	19.51	19.50	19.49	20.5	0		
10	64QAM	25	12	19.57	19.57	19.51	20.5	0		
10	64QAM	25	25	19.53	19.51	19.52	20.5	0		
10	64QAM	50	0	19.44	19.44	19.44	20.5	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.61	19.68	19.66	20.5	0		
5	QPSK	1	12	19.59	19.56	19.67	20.5	0		
5	QPSK	1	24	19.52	19.52	19.55	20.5	0		
5	QPSK	12	0	19.56	19.60	19.53	20.5	0		
5	QPSK	12	7	19.46	19.52	19.44	20.5	0		
5	QPSK	12	13	19.52	19.52	19.59	20.5	0		
5	16QAM	1	0	19.58	19.59	19.59	20.5	0		
5	16QAM	1	12	19.63	19.54	19.62	20.5	0		
5	16QAM	1	24	19.51	19.48	19.47	20.5	0		
5	16QAM	12	0	19.54	19.48	19.50	20.5	0		
5	16QAM	12	7	19.54	19.49	19.52	20.5	0		
5	16QAM	12	13	19.53	19.58	19.51	20.5	0		
5	16QAM	25	0	19.51	19.53	19.51	20.5	0		
5	64QAM	1	0	19.44	19.48	19.48	20.5	0		
5	64QAM	1	12	19.51	19.47	19.50	20.5	0		
5	64QAM	1	24	19.51	19.51	19.42	20.5	0		
5	64QAM	12	0	19.54	19.51	19.56	20.5	0		
5	64QAM	12	7	19.60	19.55	19.55	20.5	0		
5	64QAM	12	13	19.53	19.52	19.51	20.5	0		
5	64QAM	25	0	19.46	19.46	19.45	20.5	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.61	19.61	19.62	20.5	0		
3	QPSK	1	8	19.56	19.56	19.57	20.5	0		
3	QPSK	1	14	19.68	19.59	19.65	20.5	0		
3	QPSK	8	0	19.57	19.53	19.60	20.5	0		
3	QPSK	8	4	19.50	19.44	19.44	20.5	0		
3	QPSK	8	7	19.50	19.51	19.50	20.5	0		
3	QPSK	15	0	19.50	19.56	19.52	20.5	0		
3	16QAM	1	0	19.51	19.52	19.53	20.5	0		
3	16QAM	1	8	19.48	19.48	19.48	20.5	0		
3	16QAM	1	14	19.52	19.44	19.47	20.5	0		
3	16QAM	8	0	19.50	19.50	19.55	20.5	0		
3	16QAM	8	4	19.52	19.52	19.57	20.5	0		
3	16QAM	8	7	19.58	19.51	19.57	20.5	0		
3	16QAM	15	0	19.54	19.58	19.56	20.5	0		
3	64QAM	1	0	19.44	19.44	19.44	20.5	0		
3	64QAM	1	8	19.54	19.56	19.51	20.5	0		
3	64QAM	1	14	19.48	19.51	19.43	20.5	0		
3	64QAM	8	0	19.50	19.52	19.48	20.5	0		
3	64QAM	8	4	19.57	19.56	19.53	20.5	0		
3	64QAM	8	7	19.48	19.51	19.46	20.5	0		
3	64QAM	15	0	19.49	19.43	19.44	20.5	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.64	19.67	19.62	20.5	0		
1.4	QPSK	1	3	19.57	19.60	19.59	20.5	0		
1.4	QPSK	1	5	19.65	19.64	19.67	20.5	0		
1.4	QPSK	3	0	19.60	19.54	19.61	20.5	0		
1.4	QPSK	3	1	19.50	19.60	19.46	20.5	0		
1.4	QPSK	3	3	19.51	19.53	19.54	20.5	0		
1.4	QPSK	6	0	19.57	19.50	19.53	20.5	0		
1.4	16QAM	1	0	19.52	19.56	19.50	20.5	0		
1.4	16QAM	1	3	19.49	19.49	19.56	20.5	0		
1.4	16QAM	1	5	19.48	19.48	19.56	20.5	0		
1.4	16QAM	3	0	19.52	19.54	19.48	20.5	0		
1.4	16QAM	3	1	19.53	19.55	19.57	20.5	0		
1.4	16QAM	3	3	19.56	19.53	19.54	20.5	0		
1.4	16QAM	6	0	19.56	19.51	19.53	20.5	0		
1.4	16QAM	6	1	19.45	19.53	19.45	20.5	0		
1.4	16QAM	6	3	19.52	19.56	19.47	20.5	0		
1.4	16QAM	6	5	19.43	19.43	19.47	20.5	0		
1.4	16QAM	3	0	19.58	19.53	19.57	20.5	0		
1.4	64QAM	1	3	19.56	19.55	19.57	20.5	0		
1.4	64QAM	3	0	19.51	19.51	19.51	20.5	0		
1.4	64QAM	6	0	19.46	19.47	19.43	20.5	0		

Band 4_Ant 11												
BW (MHz)	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)												
1720 1722.5 1745												
20 QPSK	1	0	0	20.49	20.58	20.50	21.5	0				
20 QPSK	3	0	0	20.43	20.49	20.41						
20 QPSK	1	99	20.48	20.52	20.44	20.44						
20 QPSK	50	0	0	20.45	20.57	20.42	21.5	0				
20 QPSK	50	24	20.34	20.51	20.38	20.41						
20 QPSK	50	50	20.38	20.55	20.41	20.41						
20 16QAM	1	0	0	20.32	20.47	20.40	21.5	0				
20 16QAM	1	0	0	20.32	20.49	20.40						
20 16QAM	36	0	0	20.38	20.54	20.40						
20 16QAM	1	99	20.33	20.56	20.40	20.40	21.5	0				
20 16QAM	50	0	0	20.34	20.54	20.32						
20 16QAM	50	24	20.39	20.50	20.38	20.41						
20 16QAM	50	50	20.31	20.51	20.41	20.41	21.5	0				
20 16QAM	1	0	0	20.32	20.48	20.41						
20 16QAM	1	49	20.33	20.52	20.40	20.40						
20 16QAM	1	99	20.30	20.49	20.33	20.33	21.5	0				
20 16QAM	50	0	0	20.36	20.56	20.33						
20 16QAM	50	24	20.35	20.54	20.36	20.36						
20 16QAM	50	50	20.38	20.55	20.37	20.37						
20 16QAM	100	0	0	20.38	20.56	20.36						
Channel												
Frequency (MHz)												
20025 20175 20325												
18 QPSK	1	0	0	20.53	20.42	20.39	21.5	0				
18 QPSK	1	74	20.42	20.50	20.48	20.48						
18 QPSK	1	49	20.44	20.49	20.42	20.42						
18 QPSK	36	20	20.43	20.50	20.50	20.50	21.5	0				
18 QPSK	36	99	20.49	20.53	20.48	20.48						
18 QPSK	75	0	0	20.41	20.41	20.39						
18 16QAM	1	0	0	20.44	20.42	20.42	21.5	0				
18 16QAM	1	37	20.49	20.45	20.47	20.47						
18 16QAM	1	74	20.54	20.48	20.47	20.47						
18 16QAM	36	0	0	20.50	20.50	20.45	21.5	0				
18 16QAM	36	30	20.47	20.52	20.46	20.46						
18 16QAM	36	99	20.43	20.47	20.44	20.44						
18 16QAM	75	0	0	20.45	20.44	20.47	21.5	0				
18 16QAM	1	0	0	20.42	20.38	20.47						
18 16QAM	1	37	20.48	20.47	20.48	20.48						
18 16QAM	1	74	20.46	20.46	20.47	20.47	21.5	0				
18 16QAM	36	0	0	20.48	20.48	20.49						
18 16QAM	36	30	20.49	20.50	20.43	20.43						
18 16QAM	36	99	20.49	20.50	20.43	20.43	21.5	0				
18 16QAM	75	0	0	20.54	20.48	20.46						
Channel												
Frequency (MHz)												
1715 1732.5 1750												
10 QPSK	1	0	0	20.51	20.49	20.51				21.5	0	
10 QPSK	1	25	20.48	20.42	20.41	20.41						
10 QPSK	1	49	20.48	20.50	20.49	20.49						
10 QPSK	25	0	0	20.53	20.50	20.55	21.5	0				
10 QPSK	25	12	20.44	20.49	20.42	20.42						
10 QPSK	25	25	20.51	20.47	20.48	20.48						
10 QPSK	50	0	0	20.46	20.37	20.45	21.5	0				
10 16QAM	1	0	0	20.43	20.45	20.42						
10 16QAM	1	25	20.50	20.47	20.48	20.48						
10 16QAM	1	49	20.53	20.46	20.54	20.54	21.5	0				
10 16QAM	25	0	0	20.48	20.47	20.48						
10 16QAM	25	12	20.47	20.51	20.48	20.48						
10 16QAM	25	25	20.45	20.45	20.44	20.44	21.5	0				
10 16QAM	50	0	0	20.45	20.42	20.41						
10 16QAM	1	0	0	20.43	20.43	20.41						
10 16QAM	1	25	20.49	20.45	20.50	20.50	21.5	0				
10 16QAM	1	49	20.47	20.40	20.42	20.42						
10 16QAM	25	0	0	20.48	20.53	20.46						
10 16QAM	25	12	20.50	20.47	20.47	20.47	21.5	0				
10 16QAM	25	25	20.42	20.46	20.49	20.49						
10 16QAM	50	0	0	20.49	20.46	20.47						
Channel												
Frequency (MHz)												
1712.5 1732.5 1752.5												
5 QPSK	1	0	0	20.48	20.54	20.57	21.5	0				
5 QPSK	1	12	20.41	20.44	20.40	20.40						
5 QPSK	1	24	20.46	20.50	20.45	20.45						
5 QPSK	12	0	0	20.51	20.50	20.56	21.5	0				
5 QPSK	12	7	20.46	20.47	20.41	20.41						
5 QPSK	12	13	20.53	20.47	20.51	20.51						
5 16QAM	1	0	0	20.48	20.45	20.44	21.5	0				
5 16QAM	1	12	20.52	20.50	20.52	20.52						
5 16QAM	1	24	20.54	20.51	20.47	20.47						
5 16QAM	12	0	0	20.52	20.46	20.47	21.5	0				
5 16QAM	12	7	20.54	20.48	20.46	20.46						
5 16QAM	12	13	20.45	20.43	20.42	20.42						
5 16QAM	25	0	0	20.46	20.44	20.48	21.5	0				
5 16QAM	1	0	0	20.46	20.46	20.47						
5 16QAM	1	12	20.45	20.47	20.49	20.49						
5 16QAM	1	24	20.46	20.46	20.45	20.45	21.5	0				
5 16QAM	12	0	0	20.52	20.55	20.48						
5 16QAM	12	7	20.50	20.43	20.49	20.49						
5 16QAM	12	13	20.46	20.42	20.51	20.51	21.5	0				
5 16QAM	25	0	0	20.48	20.53	20.50						
5 16QAM	25	0	0	20.48	20.53	20.50						
Channel												
Frequency (MHz)												
19965 20175 20385												
3 QPSK	1	0	0	20.57	20.50	20.49	21.5	0				
3 QPSK	1	8	20.47	20.46	20.48	20.48						
3 QPSK	1	14	20.42	20.44	20.49	20.49						
3 QPSK	8	0	0	20.50	20.48	20.53	21.5	0				
3 QPSK	8	4	20.41	20.41	20.45	20.45						
3 QPSK	8	7	20.48	20.46	20.52	20.52						
3 QPSK	15	0	0	20.44	20.43	20.37	21.5	0				
3 16QAM	1	0	0	20.48	20.43	20.40						
3 16QAM	1	8	20.53	20.51	20.46	20.46						
3 16QAM	1	14	20.52	20.54	20.51	20.51	21.5	0				
3 16QAM	8	0	0	20.48	20.46	20.52						
3 16QAM	8	4	20.53	20.46	20.47	20.47						
3 16QAM	8	7	20.42	20.47	20.44	20.44	21.5	0				
3 16QAM	15	0	0	20.44	20.43	20.46						
3 16QAM	1	0	0	20.39	20.38	20.44						
3 16QAM	1	8	20.50	20.42	20.46	20.46	21.5	0				
3 16QAM	1	8	20.50	20.42	20.44	20.44						
3 16QAM	1	0	0	20.49	20.46	20.45						
3 16QAM	1	0	0	20.45	20.44	20.46	21.5	0				
3 16QAM	1	3	20.44	20.48	20.44	20.44						
3 16QAM	1	14	20.41	20.42	20.41	20.41						
3 16QAM	3	0	0	20.49	20.49	20.48	21.5	0				
3 16QAM	3	0	0	20.49	20.49	20.48						
3 16QAM	3	1	20.52	20.48	20.51	20.51						
3 16QAM	4	0	0	20.46	20.44	20.47	21.5	0				
3 16QAM	4	0	0	20.48	20.50	20.50						
3 16QAM	4	0	0	20.49	20.52	20.49						
3 16QAM	6	0	0	20.48	20.48	20.45	21.5	0				
3 16QAM	6	0	0	20.49	20.48	20.45						
3 16QAM	6	0	0	20.49	20.48	20.45						
3 16QAM	3	1	20.52	20.48	20.51	20.51	21.5	0				
3 16QAM	4	0	0	20.46	20.44	20.47						
3 16QAM	4	0	0	20.48	20.50	20.50						
3 16QAM	1	3	20.44	20.48	20.44	20.44	21.5	0				
3 16QAM	1	14	20.41	20.42	20.41	20.41						
3 16QAM	3	0	0	20.49	20.49	20.48						
3 16QAM	3	1	20.54	20.46	20.47	20.47	21.5	0				
3 16QAM	6	0	0	20.47	20.47	20.47						
3 16QAM	6	0	0	20.54	20.46	20.49						

Band 7_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
				20510	21150	21510						
				20510	20510	20510						
20	QPSK	1	0	21.02	21.13	21.07	22	0				
20	QPSK	1	49	21.02	21.04	21.01						
20	QPSK	1	99	21.01	21.08	20.97						
20	QPSK	50	0	21.04	21.07	21.08						
20	QPSK	50	24	21.00	20.98	20.96	22	0				
20	QPSK	50	50	21.02	21.01	21.01						
20	QPSK	100	0	20.97	21.02	20.98						
20	16QAM	1	0	20.94	21.04	20.99						
20	16QAM	1	49	21.00	21.01	21.00	22	0				
20	16QAM	1	99	20.97	21.00	21.01						
20	16QAM	50	0	20.98	21.01	20.99						
20	16QAM	50	24	20.95	20.97	21.01						
20	16QAM	50	50	21.02	21.01	20.98	22	0				
20	16QAM	100	0	20.98	21.02	20.98						
20	64QAM	1	0	20.97	20.99	21.05						
20	64QAM	1	49	21.01	20.98	21.05						
20	64QAM	1	99	21.03	20.98	20.96	21	1				
20	64QAM	50	0	20.93	20.92	20.90						
20	64QAM	50	24	20.97	20.96	20.90						
20	64QAM	50	50	19.96	20.91	19.95						
20	64QAM	100	0	20.93	19.97	19.97						
Channel												
Frequency (MHz)												
				20625	21100	21375	Turn-up limit (dBm)		MPR (dB)			
				20575	21105	20525						
15	QPSK	1	0	21.04	21.11	21.05	22	0				
15	QPSK	1	37	20.96	20.97	21.02						
15	QPSK	1	74	21.05	21.00	21.03						
15	QPSK	36	0	21.05	21.00	20.98						
15	QPSK	36	20	20.95	20.93	20.97	22	0				
15	QPSK	36	39	20.95	20.98	20.98						
15	QPSK	75	0	21.00	20.93	20.95						
15	16QAM	1	0	20.97	21.01	20.96						
15	16QAM	1	37	20.98	20.99	20.97	22	0				
15	16QAM	1	74	20.98	20.93	20.91						
15	16QAM	36	0	20.95	20.94	20.95						
15	16QAM	36	20	20.95	20.93	20.90						
15	16QAM	36	39	20.95	20.98	20.91	22	0				
15	16QAM	75	0	20.98	21.01	20.97						
15	64QAM	1	0	20.92	20.94	20.92						
15	64QAM	1	37	20.93	20.92	20.88						
15	64QAM	1	74	20.88	20.97	20.97	21	1				
15	64QAM	36	0	19.95	19.93	19.92						
15	64QAM	36	20	19.97	19.95	19.97						
15	64QAM	36	39	19.97	19.95	19.93						
15	64QAM	75	0	19.93	19.94	19.93						
Channel												
Frequency (MHz)												
				20805	21100	21405	Turn-up limit (dBm)		MPR (dB)			
				20805	21105	20505						
10	QPSK	1	0	21.08	21.12	21.10	22	0				
10	QPSK	1	25	20.94	20.95	20.95						
10	QPSK	1	49	20.98	21.02	21.01						
10	QPSK	25	0	21.03	20.97	21.00						
10	QPSK	25	12	20.96	20.95	20.89	22	0				
10	QPSK	25	25	20.97	20.96	20.99						
10	QPSK	50	0	20.99	20.96	20.97						
10	16QAM	1	0	21.01	20.94	20.98						
10	16QAM	1	25	20.97	20.99	20.92	22	0				
10	16QAM	1	49	20.91	20.98	20.93						
10	16QAM	25	0	20.95	20.93	20.98						
10	16QAM	25	12	20.90	20.89	20.88						
10	16QAM	25	25	20.99	20.97	20.99	22	0				
10	16QAM	50	0	20.92	21.00	20.97						
10	16QAM	1	0	20.92	20.95	20.94						
10	16QAM	1	25	20.96	20.91	20.88						
10	64QAM	1	0	20.92	20.93	20.96	22	0				
10	64QAM	1	49	20.92	20.93	20.96						
10	64QAM	25	0	19.95	19.92	19.95						
10	64QAM	25	12	20.91	20.93	20.91						
10	64QAM	25	25	19.91	19.99	19.92	21	1				
10	64QAM	50	0	19.93	19.98	19.88						
Channel												
Frequency (MHz)												
				20975	21100	21425				Turn-up limit (dBm)		MPR (dB)
				20525	21105	20575						
5	QPSK	1	0	21.10	21.05	21.05	22	0				
5	QPSK	1	12	20.95	21.01	20.97						
5	QPSK	1	24	20.98	21.00	21.06						
5	QPSK	12	0	20.97	21.00	20.97						
5	QPSK	12	7	20.95	20.95	20.94	22	0				
5	QPSK	12	13	20.92	20.93	20.96						
5	QPSK	25	0	21.00	20.96	20.93						
5	16QAM	1	0	21.00	21.02	21.00						
5	16QAM	1	12	20.98	20.91	20.99	22	0				
5	16QAM	1	24	20.99	20.96	20.99						
5	16QAM	12	0	21.00	20.97	20.91						
5	16QAM	12	7	20.94	20.90	20.95						
5	16QAM	12	13	20.94	20.95	20.96	22	0				
5	16QAM	25	0	20.95	20.94	20.95						
5	64QAM	1	0	20.89	20.93	20.94						
5	64QAM	1	12	20.96	20.93	20.88						
5	64QAM	1	24	20.92	20.94	20.97	21	1				
5	64QAM	12	0	19.97	20.00	19.98						
5	64QAM	12	7	19.96	20.02	19.97						
5	64QAM	12	13	19.97	20.00	19.96						
5	64QAM	25	0	19.95	19.92	19.87						

Band 7_Ant 11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20550	21100	21550						
20	QPSK	1	0	19.08	19.18	19.13	20.5	0				
20	QPSK	1	49	19.08	19.12	19.03						
20	QPSK	1	99	19.03	19.09	19.03						
20	QPSK	50	0	19.01	19.13	19.10						
20	QPSK	50	24	18.91	19.08	19.03	20.5	0				
20	QPSK	50	50	18.93	19.03	19.06						
20	QPSK	100	0	18.94	19.05	19.04						
20	16QAM	1	0	18.94	19.08	19.02						
20	16QAM	1	49	18.92	19.04	19.07	20.5	0				
20	16QAM	1	99	18.99	19.03	19.07						
20	16QAM	50	0	18.96	19.03	19.06						
20	16QAM	50	24	18.94	19.04	19.06						
20	16QAM	50	50	19.00	19.05	19.09	20.5	0				
20	16QAM	100	0	18.95	19.05	19.08						
20	64QAM	1	0	18.91	19.12	19.01						
20	64QAM	1	49	18.92	19.04	19.07						
20	64QAM	1	99	18.93	19.05	19.06	20.5	0				
20	64QAM	50	0	18.96	19.06	19.03						
20	64QAM	50	24	18.94	19.05	19.09						
20	64QAM	50	50	18.95	19.05	19.08						
20	64QAM	100	0	18.91	19.12	19.08						
Channel												
Frequency (MHz)				20625	21100	21375				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20575	20535	20525						
15	QPSK	1	0	19.09	19.08	19.12	20.5	0				
15	QPSK	1	37	19.07	19.05	19.07						
15	QPSK	1	74	19.00	18.99	19.08						
15	QPSK	36	0	19.06	19.11	19.04						
15	QPSK	36	20	19.04	19.02	19.02	20.5	0				
15	QPSK	36	39	18.98	18.97	19.00						
15	QPSK	75	0	18.95	18.96	19.00						
15	16QAM	1	0	19.01	19.04	19.06						
15	16QAM	1	37	19.02	19.01	19.08	20.5	0				
15	16QAM	1	74	18.98	18.99	19.09						
15	16QAM	36	0	18.97	18.97	19.01						
15	16QAM	36	20	19.01	18.97	18.98						
15	16QAM	36	39	18.99	18.98	19.06	20.5	0				
15	16QAM	75	0	18.96	18.99	19.03						
15	64QAM	1	0	19.06	19.09	19.07						
15	64QAM	1	37	19.03	19.00	19.01						
15	64QAM	1	74	19.05	19.04	19.09	20.5	0				
15	64QAM	36	0	18.99	19.01	19.07						
15	64QAM	36	20	19.04	19.04	18.96						
15	64QAM	36	39	18.98	18.98	19.00						
15	64QAM	75	0	19.03	19.04	19.05	20.5	0				
Channel												
Frequency (MHz)				20800	21100	21400				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz) <th>20850</th> <th>20535</th> <th>20505</th> <th></th> <th></th> <th></th>				20850	20535	20505						
10	QPSK	1	0	19.13	19.10	19.05	20.5	0				
10	QPSK	1	24	19.11	19.10	19.10						
10	QPSK	1	49	19.03	19.04	19.02						
10	QPSK	25	0	19.03	19.07	19.08						
10	QPSK	25	12	19.06	19.02	19.04	20.5	0				
10	QPSK	25	19	18.96	18.96	19.01						
10	QPSK	50	0	18.95	19.01	19.00						
10	16QAM	1	0	19.04	19.00	19.09						
10	16QAM	1	24	19.06	19.02	19.06	20.5	0				
10	16QAM	1	49	18.97	19.01	19.02						
10	16QAM	25	0	19.01	19.02	19.01						
10	16QAM	25	12	18.96	18.95	19.00						
10	16QAM	25	19	19.03	19.04	19.03	20.5	0				
10	16QAM	50	0	19.00	19.06	19.02						
10	64QAM	1	0	19.03	19.08	19.07						
10	64QAM	1	25	19.01	19.04	18.96						
10	64QAM	1	50	19.07	19.05	19.07	20.5	0				
10	64QAM	1	75	18.99	19.01	19.07						
10	64QAM	25	12	19.02	19.04	19.09						
10	64QAM	25	19	18.96	18.96	19.04						
10	64QAM	50	0	19.04	19.02	19.00	20.5	0				
Channel												
Frequency (MHz)				20775	21100	21425				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz) <th>20525</th> <th>20535</th> <th>20575</th> <th></th> <th></th> <th></th>				20525	20535	20575						
5	QPSK	1	0	19.10	19.13	19.11	20.5	0				
5	QPSK	1	52	19.07	19.05	19.10						
5	QPSK	1	24	19.08	19.05	19.03						
5	QPSK	12	0	19.05	19.08	19.07						
5	QPSK	12	6	19.07	19.07	19.07	20.5	0				
5	QPSK	12	13	18.98	19.00	18.96						
5	QPSK	25	0	19.03	19.00	18.95						
5	16QAM	1	0	18.99	19.05	18.98						
5	16QAM	1	10	19.07	19.07	19.09	20.5	0				
5	16QAM	1	24	19.06	18.98	18.93						
5	16QAM	12	0	19.04	18.97	19.02						
5	16QAM	12	7	19.01	19.13	19.11						
5	16QAM	12	16	18.98	18.96	18.95	20.5	0				
5	64QAM	1	0	18.96	19.02	19.03						
5	64QAM	1	0	19.11	19.10	19.09						
5	64QAM	1	24	19.07	19.03	18.98						
5	64QAM	1	24	18.97	18.99	18.98	20.5	0				
5	64QAM	12	0	18.96	18.99	19.00						
5	64QAM	12	7	18.98	19.01	19.00						
5	64QAM	12	16	19.00	18.98	18.99						
5	64QAM	25	0	19.02	19.07	19.04	20.5	0				

Band 13_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
23230									
Frequency (MHz)									
10	QPSK	1	0	24.17			25	0	
10	QPSK	1	25	24.13					
10	QPSK	1	49	23.88					
10	QPSK	25	0	23.11			24	1	
10	QPSK	25	12	22.97					
10	QPSK	25	24	23.10					
10	QPSK	50	0	22.98			24	1	
10	16QAM	1	0	23.12					
10	16QAM	1	25	22.91					
10	16QAM	1	49	23.32			23	2	
10	16QAM	25	0	22.10					
10	16QAM	25	12	21.98					
10	16QAM	25	25	22.11			23	2	
10	16QAM	50	0	22.05					
10	64QAM	1	0	22.61					
10	64QAM	1	25	22.13			22	3	
10	64QAM	1	49	22.04					
10	64QAM	25	0	21.00					
10	64QAM	25	12	20.96			22	3	
10	64QAM	25	25	21.12					
10	64QAM	50	0	21.06					
Channel									
23205 23230 23255									
Frequency (MHz)									
5	QPSK	1	0	24.13	24.10	24.04	25	0	
5	QPSK	1	12	24.08	24.05	23.98			
5	QPSK	1	24	23.86	23.84	23.72			
5	QPSK	12	0	23.07	23.03	23.02	24	1	
5	QPSK	12	7	22.81	22.87	22.94			
5	QPSK	12	13	23.01	23.06	23.00			
5	QPSK	25	0	22.82	22.88	22.85	24	1	
5	16QAM	1	0	23.09	23.00	23.05			
5	16QAM	1	12	22.85	22.89	22.79			
5	16QAM	1	24	23.28	23.20	23.19	23	2	
5	16QAM	12	0	22.07	22.02	21.94			
5	16QAM	12	7	21.96	21.97	21.83			
5	16QAM	12	13	22.09	22.10	22.05	23	2	
5	16QAM	25	0	21.96	21.89	21.95			
5	64QAM	1	12	22.00	22.02	22.04			
5	64QAM	1	24	21.91	21.88	21.91	22	3	
5	64QAM	12	0	20.98	20.93	20.91			
5	64QAM	12	7	20.86	20.88	20.90			
5	64QAM	12	13	21.04	21.09	21.08	22	3	
5	64QAM	25	0	20.96	21.01	20.99			

Band 13_Ant 31								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
23230								
Frequency (MHz)								
10	QPSK	1	0	24.16			25	0
10	QPSK	1	25	24.11				
10	QPSK	1	49	23.94				
10	QPSK	25	0	23.17			24	1
10	QPSK	25	12	22.99				
10	QPSK	25	25	23.16				
10	QPSK	50	0	23.08			24	1
10	16QAM	1	0	23.58				
10	16QAM	1	25	23.26				
10	16QAM	1	49	23.32			23	2
10	16QAM	25	0	22.04				
10	16QAM	25	12	22.08				
10	16QAM	25	25	22.17			23	2
10	16QAM	50	0	22.10				
10	64QAM	1	0	22.28				
10	64QAM	1	25	22.52			22	2
10	64QAM	1	49	22.14				
10	64QAM	25	0	20.97				
10	64QAM	25	12	21.11			22	3
10	64QAM	25	25	21.09				
10	64QAM	50	0	21.00				
Channel								
23205 23230 23255								
Frequency (MHz)								
5	QPSK	1	0	24.07	24.14	24.11	25	0
5	QPSK	1	12	24.08	24.02	24.01		
5	QPSK	1	24	23.81	23.78	23.84		
5	QPSK	12	0	23.15	23.11	23.14	24	1
5	QPSK	12	7	22.85	22.89	22.85		
5	QPSK	12	13	23.05	23.15	23.13		
5	QPSK	25	0	23.04	22.95	23.04	24	1
5	16QAM	1	0	23.30	23.55	23.51		
5	16QAM	1	12	23.18	23.19	23.19		
5	16QAM	1	24	23.25	23.22	23.28	23	2
5	16QAM	12	0	21.96	22.01	21.93		
5	16QAM	12	7	22.00	22.05	21.93		
5	16QAM	12	13	22.14	22.10	22.02	23	2
5	16QAM	25	0	21.98	21.84	22.04		
5	64QAM	1	0	22.17	22.15	22.25		
5	64QAM	1	12	22.47	22.50	22.47	23	2
5	64QAM	1	24	22.09	21.98	22.12		
5	64QAM	12	0	20.82	20.85	20.80		
5	64QAM	12	7	21.02	21.06	21.08	22	3
5	64QAM	12	13	21.06	21.02	21.01		
5	64QAM	25	0	20.89	20.99	20.92		

Band 17_Ant 13								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
				23760	23790	23800		
Frequency (MHz)				7070	710	711		
10	QPSK	1	0	24.16	24.21	24.20	25	0
10	QPSK	1	25	24.15	24.07	24.15		
10	QPSK	1	49	24.02	24.15	24.11		
10	QPSK	25	0	23.23	23.30	23.20	24	1
10	QPSK	25	12	23.24	23.16	23.18		
10	QPSK	25	25	23.20	23.20	23.18		
10	QPSK	50	0	23.28	23.29	23.26	24	1
10	16QAM	1	0	23.50	23.58	23.52		
10	16QAM	1	25	23.30	23.19	23.33		
10	16QAM	1	49	23.52	23.34	23.56	23	2
10	16QAM	25	0	22.17	22.08	22.17		
10	16QAM	25	12	22.31	22.23	22.22		
10	16QAM	25	25	22.35	22.38	22.32	23	2
10	16QAM	50	0	22.21	22.12	22.23		
10	64QAM	1	0	22.30	22.67	22.24		
10	64QAM	1	25	22.62	22.79	22.12	22	3
10	64QAM	1	49	22.52	22.61	22.49		
10	64QAM	25	0	21.25	21.23	21.15		
10	64QAM	25	12	21.59	21.29	21.16	22	3
10	64QAM	25	25	21.28	21.17	21.21		
10	64QAM	50	0	21.30	21.11	21.07		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				7065	710	713.5		
5	QPSK	1	0	24.00	24.15	24.17	25	0
5	QPSK	1	12	24.04	23.98	24.14		
5	QPSK	1	24	23.93	24.14	24.07		
5	QPSK	12	0	23.16	23.16	23.07	24	1
5	QPSK	12	7	23.21	23.12	23.17		
5	QPSK	12	13	23.19	23.13	23.09		
5	QPSK	25	0	23.16	23.18	23.23	24	1
5	16QAM	1	0	23.41	23.46	23.17		
5	16QAM	1	12	23.17	23.04	23.27		
5	16QAM	1	24	23.47	23.18	23.48	23	2
5	16QAM	12	0	22.14	21.95	22.13		
5	16QAM	12	7	22.16	22.20	22.18		
5	16QAM	12	13	22.29	22.28	22.28	23	2
5	16QAM	25	0	22.13	22.06	22.11		
5	64QAM	1	0	22.28	22.53	22.12		
5	64QAM	1	12	22.54	22.77	21.97	22	3
5	64QAM	1	24	22.36	22.50	22.35		
5	64QAM	12	0	21.12	21.16	21.02		
5	64QAM	12	7	21.32	21.19	21.02	22	3
5	64QAM	12	13	21.14	21.10	21.17		
5	64QAM	25	0	21.15	21.03	20.95		

Band 17_Ant 31								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)
Channel				23785	23790	23800		
Frequency (MHz)				706.5	710	711		
10	QPSK	1	0	24.20	24.38	24.18		
10	QPSK	1	12	24.18	24.38	24.18	25	0
10	QPSK	1	49	24.07	24.38	24.18		
10	QPSK	25	0	23.22	23.34	23.22		
10	QPSK	25	12	23.17	23.23	23.00	24	1
10	QPSK	25	24	23.21	23.29	23.00		
10	QPSK	50	0	23.21	23.50	23.00		
10	16QAM	1	0	23.53	23.12	23.32		
10	16QAM	1	25	23.00	23.28	23.34	24	1
10	16QAM	25	0	23.28	23.34	23.12		
10	16QAM	25	0	22.12	22.16	22.16		
10	16QAM	25	12	22.26	22.30	22.24		
10	16QAM	25	24	22.24	22.28	22.17	23	2
10	16QAM	50	0	22.28	22.14	22.48		
10	64QAM	1	0	22.27	22.50	22.53		
10	64QAM	1	25	22.28	22.60	22.71	23	2
10	64QAM	25	0	22.73	22.27	21.28		
10	64QAM	25	0	21.09	21.23	21.25		
10	64QAM	25	12	21.19	21.25	21.22		
10	64QAM	25	24	21.09	21.18	21.00	22	3
10	64QAM	50	0	21.24	21.17	21.28		
Channel				23755	23780	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	24.10	24.30	24.08		
5	QPSK	1	12	24.12	24.30	24.08	25	0
5	QPSK	1	24	23.93	24.08	23.91		
5	QPSK	12	0	23.12	23.11	23.18		
5	QPSK	12	7	23.10	23.15	23.18	24	1
5	QPSK	12	23	23.18	23.15	23.19		
5	16QAM	1	0	23.20	23.44	23.47		
5	16QAM	1	0	23.37	23.05	23.07		
5	16QAM	1	12	23.80	23.12	23.13	23	1
5	16QAM	1	24	23.12	23.10	22.11		
5	16QAM	12	0	22.04	22.01	22.04		
5	16QAM	12	7	22.10	22.16	22.11	23	2
5	16QAM	12	23	22.22	22.28	22.22		
5	16QAM	25	0	22.26	22.07	22.42		
5	64QAM	1	0	22.24	22.44	22.43		
5	64QAM	1	12	22.25	22.48	22.84	23	2
5	64QAM	1	24	22.71	22.18	21.15		
5	64QAM	12	0	21.00	21.09	21.15		
5	64QAM	12	7	21.09	21.22	21.12	22	3
5	64QAM	12	23	21.24	21.15	21.19		
5	64QAM	25	0	21.18	21.00	21.16		

Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.87	24.00	23.83	25	0	
15	QPSK	1	37	23.78	23.79	23.79			
15	QPSK	1	74	23.80	23.79	23.59			
15	QPSK	36	0	22.91	22.92	22.90			
15	QPSK	36	20	22.89	22.86	22.84			
15	QPSK	36	59	22.88	22.86	22.85	24	1	
15	QPSK	75	0	22.94	22.99	22.76			
15	16QAM	1	0	23.15	23.11	23.29			
15	16QAM	1	37	23.20	23.27	23.62			
15	16QAM	1	74	23.24	23.24	22.87			
15	16QAM	36	0	21.90	21.82	21.94	23	2	
15	16QAM	36	20	21.97	21.94	21.83			
15	16QAM	36	59	22.00	21.91	21.89			
15	16QAM	75	0	21.96	21.84	21.82			
15	64QAM	1	0	22.14	22.04	22.13			
15	64QAM	1	37	22.06	22.27	21.82	23	2	
15	64QAM	1	74	22.08	21.76	21.69			
15	64QAM	36	0	20.89	20.84	20.88			
15	64QAM	36	20	21.01	20.82	20.80			
15	64QAM	36	59	21.06	20.97	20.95			
15	64QAM	75	0	21.05	20.81	20.85	22	3	
Channel									
Frequency (MHz)				26740	26865	26990	Turn-on limit (dBm)	MPR (dB)	
				810	831.5	844			
10	QPSK	1	0	23.80	23.81	23.81	25	0	
10	QPSK	1	25	23.62	23.69	23.81			
10	QPSK	1	49	23.75	23.64	23.52			
10	QPSK	25	0	22.89	22.90	22.82			
10	QPSK	25	12	22.77	22.83	22.71			
10	QPSK	25	25	22.75	22.74	22.80	24	1	
10	QPSK	50	0	22.92	22.98	22.87			
10	16QAM	1	0	23.11	23.06	23.25			
10	16QAM	1	25	23.20	23.08	22.96			
10	16QAM	1	49	23.23	23.09	22.55			
10	16QAM	25	0	21.83	21.73	21.89	23	2	
10	16QAM	25	12	21.88	21.79	21.81			
10	16QAM	25	25	21.90	21.80	21.81			
10	16QAM	50	0	21.83	21.73	21.79			
10	64QAM	1	0	21.81	21.67	21.81			
10	64QAM	1	25	22.03	22.26	21.80	23	2	
10	64QAM	1	49	21.96	21.75	21.68			
10	64QAM	25	0	20.87	20.86	20.85			
10	64QAM	25	12	20.89	20.72	20.79			
10	64QAM	25	25	20.87	20.91	20.87			
10	64QAM	50	0	20.89	20.75	20.80	20		
Channel									
Frequency (MHz)				26715	26865	27015	Turn-on limit (dBm)	MPR (dB)	
				811.5	831.5	846.5			
5	QPSK	1	0	23.76	23.80	23.74	25	0	
5	QPSK	1	12	23.73	23.69	23.77			
5	QPSK	1	24	23.77	23.68	23.57			
5	QPSK	12	0	22.78	22.78	22.80			
5	QPSK	12	7	22.78	22.70	22.70			
5	QPSK	12	13	22.83	22.76	22.81	24	1	
5	QPSK	25	0	22.82	22.88	22.83			
5	16QAM	1	0	23.00	23.08	23.15			
5	16QAM	1	12	23.27	23.12	22.51			
5	16QAM	1	24	23.18	23.12	22.56			
5	16QAM	12	0	21.89	21.67	21.83	23	2	
5	16QAM	12	7	21.89	21.79	21.79			
5	16QAM	12	13	21.87	21.89	21.76			
5	16QAM	25	0	21.81	21.82	21.80			
5	16QAM	25	12	21.82	21.99	21.87			
5	64QAM	1	12	21.84	22.25	21.79	23	2	
5	64QAM	1	24	21.86	21.64	21.59			
5	64QAM	12	0	20.82	20.76	20.76			
5	64QAM	12	7	20.82	20.74	20.72			
5	64QAM	12	13	21.05	20.94	20.90			
5	64QAM	25	0	20.89	20.73	20.75	20		
Channel									
Frequency (MHz)				815.5	831.5	847.5	Turn-on limit (dBm)	MPR (dB)	
				816.5	831.5	847.5			
3	QPSK	1	0	23.80	23.86	23.80	25	0	
3	QPSK	1	8	23.75	23.78	23.78			
3	QPSK	1	14	23.73	23.67	23.56			
3	QPSK	8	0	22.79	22.85	22.88			
3	QPSK	8	4	22.79	22.79	22.72			
3	QPSK	8	7	22.81	22.81	22.72	24	1	
3	QPSK	15	0	22.82	22.86	22.87			
3	16QAM	1	0	23.02	22.99	23.24			
3	16QAM	1	8	23.22	23.08	22.60			
3	16QAM	1	14	23.22	23.17	22.66			
3	16QAM	8	0	21.79	21.74	21.82	23	2	
3	16QAM	8	4	21.96	21.77	21.79			
3	16QAM	8	7	21.89	21.88	21.75			
3	16QAM	15	0	21.85	21.80	21.71			
3	64QAM	1	0	22.08	22.02	22.04			
3	64QAM	1	8	21.95	22.23	21.81	23	2	
3	64QAM	1	14	21.90	21.74	21.66			
3	64QAM	8	0	20.73	20.84	20.85			
3	64QAM	8	4	20.83	20.88	20.79			
3	64QAM	8	7	20.87	20.81	20.81			
3	64QAM	15	0	21.03	20.76	20.71	22	3	
Channel									
Frequency (MHz)				26697	26865	27033	Turn-on limit (dBm)	MPR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.78	23.81	23.83	25	0	
1.4	QPSK	1	3	23.89	23.81	23.77			
1.4	QPSK	1	5	23.63	23.76	23.63			
1.4	QPSK	3	0	23.86	23.81	23.81			
1.4	QPSK	3	1	23.88	23.77	23.80			
1.4	QPSK	3	3	23.69	23.74	23.72	24	1	
1.4	QPSK	6	0	22.92	22.91	22.86			
1.4	16QAM	1	0	22.85	22.73	22.86			
1.4	16QAM	1	3	22.85	22.90	22.86			
1.4	16QAM	3	0	22.92	22.93	22.78			
1.4	16QAM	3	3	23.03	22.95	22.89	24	1	
1.4	16QAM	3	3	23.03	22.94	22.94			
1.4	16QAM	3	3	23.03	22.94	22.94			
1.4	16QAM	6	0	21.80	21.80	21.79			
1.4	64QAM	1	0	21.90	21.80	21.82			
1.4	64QAM	1	3	21.88	21.96	21.85	23	2	
1.4	64QAM	1	5	21.85	21.82	21.80			
1.4	64QAM	3	0	21.89	21.86	22.03			
1.4	64QAM	3	1	22.10	21.96	22.04			
1.4	64QAM	3	3	21.86	21.86	21.86			
1.4	64QAM	6	0	20.83	20.76	20.80	22	3	
Channel									
Frequency (MHz)				26697	26865	27033	Turn-on limit (dBm)	MPR (dB)	
				814.7	831.5	848.3			

Band 26_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn- up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.76	23.81	23.85	25	0	
15	QPSK	1	37	23.76	23.79	23.79			
15	QPSK	1	74	23.75	23.71	23.89			
15	QPSK	36	0	22.90	22.91	22.93			
15	QPSK	36	20	22.87	22.78	22.79			
15	QPSK	36	59	22.89	22.82	22.73	24	1	
15	QPSK	75	0	22.83	22.60	22.81			
15	HQAM	1	0	22.79	23.34	23.36	25	0	
15	HQAM	1	37	23.21	23.30	23.36			
15	HQAM	1	74	22.88	23.24	23.36			
15	HQAM	36	0	21.88	21.68	21.89			
15	HQAM	36	20	22.00	21.82	21.79			
15	HQAM	36	59	21.82	21.88	21.82	23	2	
15	HQAM	75	0	21.90	21.78	21.87			
15	HQAM	1	0	21.83	21.81	22.15	25	2	
15	HQAM	1	37	23.00	22.94	21.81			
15	HQAM	1	74	22.04	22.10	21.77			
15	HQAM	36	0	20.93	20.68	20.88			
15	HQAM	36	20	20.91	20.85	21.00			
15	HQAM	36	59	20.83	20.94	20.98	22	3	
15	HQAM	75	0	20.82	20.75	20.87			
Channel				26760	26860	26960	Turn- up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	841			
15	QPSK	1	0	23.81	23.75	23.78	25	0	
15	QPSK	1	25	23.79	23.72	23.87			
15	QPSK	1	49	23.71	23.63	23.76			
15	QPSK	25	0	22.74	22.76	22.69			
15	QPSK	25	12	22.74	22.68	22.67			
15	QPSK	25	25	22.67	22.80	22.71	24	1	
15	QPSK	50	0	22.71	22.86	22.65			
15	HQAM	1	0	22.71	23.30	23.23	24	1	
15	HQAM	1	37	23.19	23.37	23.24			
15	HQAM	1	49	22.83	23.37	22.87			
15	HQAM	25	0	21.73	21.77	21.74			
15	HQAM	25	12	21.68	21.67	21.78			
15	HQAM	25	25	21.74	21.81	21.71	23	2	
15	HQAM	50	0	21.88	21.74	21.85			
15	HQAM	1	0	21.80	21.71	22.62	23	2	
15	HQAM	1	37	23.04	21.86	21.78			
15	HQAM	1	49	22.01	21.75	21.88			
15	HQAM	25	0	20.85	20.57	20.85			
15	HQAM	25	12	20.77	20.68	20.99			
15	HQAM	25	25	20.69	20.68	20.79	22	3	
15	HQAM	50	0	20.66	20.72	20.83			
Channel				26755	26855	27055	Turn- up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	841.5			
5	QPSK	1	0	23.64	23.76	23.88	25	0	
5	QPSK	1	12	23.66	23.57	23.64			
5	QPSK	1	24	23.71	23.60	23.80			
5	QPSK	12	7	22.78	22.78	22.89			
5	QPSK	12	7	22.80	22.87	22.87			
5	QPSK	12	13	22.79	22.72	22.68	24	1	
5	QPSK	25	0	22.76	22.85	22.70			
5	QPSK	25	12	22.76	23.10	22.70	24	1	
5	HQAM	1	12	23.10	22.91	22.92			
5	HQAM	1	24	22.94	23.40	22.93			
5	HQAM	1	37	21.78	21.77	21.83			
5	HQAM	12	7	21.96	21.68	21.66			
5	HQAM	12	13	21.70	21.81	21.70	23	2	
5	HQAM	25	0	21.75	21.76	21.80			
5	HQAM	1	12	21.72	21.74	20.74	23	2	
5	HQAM	1	24	21.89	21.99	21.69			
5	HQAM	1	24	21.89	21.63	21.96			
5	HQAM	12	7	20.82	20.81	20.88			
5	HQAM	12	7	20.75	20.80	20.88			
5	HQAM	12	13	20.69	20.72	20.89	22	3	
5	HQAM	25	0	20.71	20.66	20.77			
Channel				26955	26855	27055	Turn- up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	847.5			
3	QPSK	1	0	23.74	23.80	23.77	25	0	
3	QPSK	1	8	23.62	23.68	23.74			
3	QPSK	1	16	23.50	23.56	23.68			
3	QPSK	8	0	22.82	22.75	22.70			
3	QPSK	8	4	22.72	22.70	22.73			
3	QPSK	8	7	22.73	22.80	22.70	24	1	
3	QPSK	16	0	22.77	23.54	22.68			
3	HQAM	1	0	22.76	23.24	23.29	24	1	
3	HQAM	1	8	23.17	22.93	22.93			
3	HQAM	1	16	23.06	23.17	22.92			
3	HQAM	8	0	21.74	21.85	21.85			
3	HQAM	8	4	21.85	21.75	21.73			
3	HQAM	8	7	21.76	21.88	21.73	23	2	
3	HQAM	16	0	21.88	21.62	21.88			
3	HQAM	1	0	21.79	21.77	22.03	23	2	
3	HQAM	1	8	21.75	21.96	21.71			
3	HQAM	1	16	22.00	21.69	21.86			
3	HQAM	8	0	20.90	20.56	20.90			
3	HQAM	8	4	20.86	20.78	20.99			
3	HQAM	8	7	20.75	20.83	20.85	22	3	
3	HQAM	16	0	20.62	20.62	20.83			
Channel				26907	26865	27053	Turn- up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.42	23.43	23.32	25	0	
1.4	QPSK	1	3	23.32	23.44	23.38			
1.4	QPSK	1	3	23.32	23.25	23.23			
1.4	QPSK	3	0	23.48	23.54	23.34			
1.4	QPSK	3	1	23.38	23.39	23.32			
1.4	QPSK	3	3	23.35	23.33	23.27	24	1	
1.4	QPSK	6	0	22.53	22.52	22.48			
1.4	HQAM	1	0	22.59	22.52	22.58	24	1	
1.4	HQAM	1	3	22.56	22.48	22.47			
1.4	HQAM	1	3	22.47	22.44	22.49			
1.4	HQAM	3	0	22.76	22.79	22.58			
1.4	HQAM	3	1	22.69	22.64	22.66			
1.4	HQAM	3	3	22.55	22.71	22.62	23	2	
1.4	HQAM	6	0	21.98	21.33	21.98			
1.4	HQAM	1	0	21.87	21.42	21.37	23	2	
1.4	HQAM	1	3	21.45	21.36	21.37			
1.4	HQAM	1	3	21.57	21.45	21.37			
1.4	HQAM	3	0	21.67	21.56	21.49			
1.4	HQAM	3	1	21.50	21.58	21.61			
1.4	HQAM	3	3	21.61	21.56	21.61	22	3	
1.4	HQAM	6	0	20.45	20.36	20.36			

Band 66_Ant 11										
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				152072	152122	152172				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	20.43	20.50	20.57	21.5	0		
20	QPSK	1	49	20.45	20.48	20.51				
20	QPSK	1	99	20.46	20.49	20.52				
20	QPSK	50	0	20.50	20.52	20.51	21.5	0		
20	QPSK	50	24	20.45	20.51	20.45				
20	QPSK	50	50	20.48	20.49	20.42				
20	QPSK	100	0	20.42	20.48	20.47	21.5	0		
20	16QAM	1	0	20.40	20.46	20.44				
20	16QAM	1	49	20.45	20.50	20.49				
20	16QAM	1	99	20.44	20.47	20.41	21.5	0		
20	16QAM	50	0	20.42	20.44	20.50				
20	16QAM	50	24	20.49	20.49	20.42				
20	16QAM	50	50	20.40	20.51	20.48	21.5	0		
20	16QAM	100	0	20.42	20.49	20.50				
20	64QAM	1	0	20.40	20.44	20.47				
20	64QAM	1	49	20.46	20.49	20.50	21.5	0		
20	64QAM	1	99	20.40	20.49	20.47				
20	64QAM	50	0	20.49	20.47	20.42				
20	64QAM	50	24	20.42	20.48	20.46	21.5	0		
20	64QAM	50	50	20.43	20.44	20.50				
20	64QAM	100	0	20.47	20.51	20.47				
Channel				152047	152122	152197	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	20.49	20.53	20.55	21.5	0		
15	QPSK	1	37	20.47	20.44	20.47				
15	QPSK	1	74	20.52	20.53	20.52				
15	QPSK	36	0	20.46	20.42	20.49	21.5	0		
15	QPSK	36	20	20.42	20.45	20.47				
15	QPSK	36	39	20.42	20.41	20.46				
15	QPSK	75	0	20.43	20.45	20.41	21.5	0		
15	16QAM	1	0	20.39	20.43	20.40				
15	16QAM	1	37	20.43	20.43	20.47				
15	16QAM	1	74	20.38	20.37	20.45	21.5	0		
15	16QAM	36	0	20.36	20.35	20.36				
15	16QAM	36	20	20.42	20.43	20.40				
15	16QAM	36	39	20.48	20.50	20.41	21.5	0		
15	16QAM	75	0	20.47	20.45	20.39				
15	64QAM	1	0	20.36	20.38	20.37				
15	64QAM	1	37	20.44	20.44	20.43	21.5	0		
15	64QAM	1	74	20.41	20.48	20.44				
15	64QAM	36	0	20.38	20.42	20.46				
15	64QAM	36	20	20.40	20.43	20.42	21.5	0		
15	64QAM	36	39	20.42	20.42	20.35				
15	64QAM	75	0	20.50	20.49	20.46				
Channel				151997	152122	152122	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715 <th>1745</th> <th>1775</th> <th></th> <th></th>	1745	1775				
10	QPSK	1	0	20.54	20.51	20.55	21.5	0		
10	QPSK	1	25	20.41	20.47	20.47				
10	QPSK	1	49	20.49	20.47	20.50				
10	QPSK	25	0	20.42	20.47	20.43	21.5	0		
10	QPSK	25	12	20.41	20.44	20.45				
10	QPSK	25	25	20.44	20.40	20.47				
10	QPSK	50	0	20.43	20.39	20.44	21.5	0		
10	16QAM	1	0	20.39	20.43	20.40				
10	16QAM	1	25	20.44	20.47	20.43				
10	16QAM	1	49	20.42	20.39	20.40	21.5	0		
10	16QAM	25	0	20.39	20.41	20.40				
10	16QAM	25	12	20.41	20.47	20.41				
10	16QAM	25	25	20.49	20.49	20.44	21.5	0		
10	16QAM	50	0	20.42	20.47	20.39				
10	64QAM	1	0	20.41	20.42	20.34				
10	64QAM	1	25	20.41	20.42	20.41	21.5	0		
10	64QAM	1	49	20.40	20.43	20.43				
10	64QAM	25	0	20.46	20.42	20.38				
10	64QAM	25	12	20.41	20.39	20.40	21.5	0		
10	64QAM	25	25	20.37	20.43	20.35				
10	64QAM	50	0	20.42	20.40	20.44				
Channel				151997	152122	152147	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	20.52	20.55	20.54	21.5	0		
5	QPSK	1	12	20.45	20.45	20.45				
5	QPSK	1	24	20.48	20.45	20.47				
5	QPSK	12	0	20.48	20.43	20.49	21.5	0		
5	QPSK	12	7	20.44	20.47	20.46				
5	QPSK	12	13	20.42	20.45	20.39				
5	QPSK	25	0	20.47	20.45	20.44	21.5	0		
5	16QAM	1	0	20.39	20.37	20.37				
5	16QAM	1	12	20.42	20.43	20.48				
5	16QAM	1	24	20.42	20.46	20.43	21.5	0		
5	16QAM	12	0	20.35	20.38	20.35				
5	16QAM	12	7	20.43	20.46	20.45				
5	16QAM	12	13	20.46	20.45	20.47	21.5	0		
5	16QAM	25	0	20.45	20.44	20.43				
5	64QAM	1	0	20.36	20.35	20.42				
5	64QAM	1	12	20.43	20.44	20.41	21.5	0		
5	64QAM	1	24	20.40	20.43	20.44				
5	64QAM	12	0	20.38	20.38	20.45				
5	64QAM	12	7	20.38	20.43	20.47	21.5	0		
5	64QAM	12	13	20.38	20.37	20.38				
5	64QAM	25	0	20.44	20.41	20.44				
Channel				151987	152122	152157	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	20.55	20.51	20.53	21.5	0		
3	QPSK	1	8	20.42	20.44	20.39				
3	QPSK	1	14	20.52	20.44	20.53				
3	QPSK	8	0	20.43	20.49	20.43	21.5	0		
3	QPSK	8	4	20.42	20.44	20.41				
3	QPSK	8	7	20.46	20.39	20.47				
3	QPSK	15	0	20.42	20.47	20.40	21.5	0		
3	16QAM	1	0	20.39	20.40	20.36				
3	16QAM	1	8	20.44	20.47	20.48				
3	16QAM	1	14	20.44	20.43	20.39	21.5	0		
3	16QAM	8	0	20.37	20.35	20.36				
3	16QAM	8	4	20.42	20.48	20.44				
3	16QAM	8	7	20.41	20.43	20.48	21.5	0		
3	16QAM	15	0	20.41	20.47	20.41				
3	64QAM	1	0	20.39	20.42	20.35				
3	64QAM	1	8	20.43	20.47	20.40	21.5	0		
3	64QAM	1	14	20.45	20.45	20.44				
3	64QAM	8	0	20.41	20.39	20.43				
3	64QAM	8	4	20.38	20.39	20.45	21.5	0		
3	64QAM	8	7	20.42	20.37	20.40				
3	64QAM	15	0	20.43	20.40	20.50				
Channel				151977	152122	152122	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.5	1745	1779.5				
1.4	QPSK	1	0	20.50	20.48	20.52	21.5	0		
1.4	QPSK	1	3	20.44	20.47	20.39				
1.4	QPSK	1	6	20.40	20.45	20.40				
1.4	QPSK	3	0	20.47	20.47	20.44	21.5	0		
1.4	QPSK	3	1	20.44	20.45	20.43				
1.4	QPSK	3	17	20.48	20.43	20.48				
1.4	QPSK	6	0	20.40	20.43	20.40	21.5	0		
1.4	16QAM	1	0	20.42	20.38	20.45				
1.4	16QAM	1	3	20.42	20.44	20.44				
1.4	16QAM	3	0	20.35	20.39	20.34	21.5	0		
1.4	16QAM	3	1	20.39	20.48	20.45				
1.4	16QAM	3	17	20.48	20.43	20.48				
1.4	64QAM	1	0	20.43	20.39	20.47	21.5	0		
1.4	64QAM	1	3	20.48	20.43	20.48				
1.4	64QAM	3	0	20.44	20.48	20.45				
1.4	64QAM	3	1	20.39	20.39	20.44	21.5	0		
1.4	64QAM	3	17	20.47	20.39	20.48				
1.4	64QAM	6	0	20.50	20.50	20.46				

Band 38_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				37850	38000	38150	Time-up limit (dBm)	MPR (dB)		
				2580	2595	2610				
20	QPSK	1	0	18.57	18.61	18.58	19.5	0		
20	QPSK	1	49	18.55	18.54	18.50				
20	QPSK	1	99	18.51	18.53	18.54				
20	QPSK	50	0	18.49	18.57	18.58				
20	QPSK	50	24	18.41	18.47	18.55				
20	QPSK	50	50	18.44	18.55	18.49	19.5	0		
20	QPSK	100	0	18.44	18.55	18.49				
20	16QAM	1	0	18.34	18.46	18.44				
20	16QAM	1	49	18.35	18.47	18.43				
20	16QAM	1	99	18.35	18.47	18.44				
20	16QAM	50	0	18.34	18.46	18.39	19.5	0		
20	16QAM	50	24	18.36	18.46	18.46				
20	16QAM	50	50	18.40	18.52	18.44				
20	16QAM	100	0	18.34	18.49	18.45				
20	64QAM	1	0	18.41	18.45	18.40				
20	64QAM	1	49	18.34	18.49	18.41	19.5	0		
20	64QAM	1	99	18.42	18.54	18.43				
20	64QAM	50	0	18.41	18.54	18.46				
20	64QAM	50	24	18.43	18.48	18.43				
20	64QAM	50	50	18.34	18.49	18.45				
20	64QAM	100	0	18.36	18.54	18.48	19.5	0		
Channel										
Frequency (MHz)				37625	38000	38175	Time-up limit (dBm)	MPR (dB)		
				2577.5	2595	2612.5	Time-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	18.56	18.56	18.57		19.5	0	
15	QPSK	1	37	18.53	18.49	18.49				
15	QPSK	1	74	18.46	18.51	18.50	19.5	0		
15	QPSK	36	0	18.54	18.49	18.49				
15	QPSK	36	20	18.42	18.40	18.44				
15	QPSK	36	39	18.46	18.50	18.48				
15	QPSK	75	0	18.46	18.52	18.54				
15	16QAM	1	0	18.38	18.39	18.44	19.5	0		
15	16QAM	1	37	18.45	18.46	18.39				
15	16QAM	1	74	18.37	18.46	18.37				
15	16QAM	36	0	18.44	18.43	18.44				
15	16QAM	36	20	18.36	18.36	18.44				
15	16QAM	36	39	18.44	18.50	18.48	19.5	0		
15	16QAM	75	0	18.40	18.41	18.46				
15	64QAM	1	0	18.41	18.44	18.37				
15	64QAM	1	37	18.41	18.46	18.46				
15	64QAM	1	74	18.44	18.53	18.51				
15	64QAM	36	0	18.40	18.50	18.49	19.5	0		
15	64QAM	36	20	18.46	18.43	18.39				
15	64QAM	36	39	18.41	18.39	18.44				
15	64QAM	75	0	18.53	18.51	18.48				
Channel										
Frequency (MHz)				37800	38000	38200	Time-up limit (dBm)	MPR (dB)		
				2577.5	2595	2615	Time-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	18.56	18.52	18.50		19.5	0	
10	QPSK	1	25	18.44	18.46	18.51				
10	QPSK	1	49	18.45	18.47	18.48	19.5	0		
10	QPSK	25	0	18.52	18.51	18.49				
10	QPSK	25	12	18.38	18.40	18.46				
10	QPSK	25	25	18.46	18.46	18.46				
10	QPSK	50	0	18.46	18.48	18.50				
10	16QAM	1	0	18.44	18.38	18.45	19.5	0		
10	16QAM	1	25	18.40	18.39	18.43				
10	16QAM	1	49	18.44	18.40	18.38				
10	16QAM	25	0	18.44	18.39	18.39				
10	16QAM	25	12	18.37	18.38	18.44				
10	16QAM	25	25	18.45	18.46	18.46	19.5	0		
10	16QAM	50	0	18.40	18.44	18.47				
10	64QAM	1	0	18.44	18.38	18.37				
10	64QAM	1	25	18.43	18.40	18.43				
10	64QAM	1	49	18.47	18.50	18.51				
10	64QAM	25	0	18.51	18.50	18.51	19.5	0		
10	64QAM	25	12	18.41	18.39	18.41				
10	64QAM	25	25	18.40	18.45	18.41				
10	64QAM	50	0	18.52	18.49	18.45				
Channel										
Frequency (MHz)				37775	38000	38225	Time-up limit (dBm)	MPR (dB)		
				2572.5	2595	2617.5	Time-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	18.56	18.58	18.51		19.5	0	
5	QPSK	1	12	18.48	18.52	18.53				
5	QPSK	1	24	18.45	18.52	18.47	19.5	0		
5	QPSK	12	0	18.52	18.55	18.50				
5	QPSK	12	7	18.37	18.38	18.46				
5	QPSK	12	13	18.47	18.49	18.46				
5	QPSK	25	0	18.46	18.45	18.46				
5	16QAM	1	0	18.44	18.45	18.45	19.5	0		
5	16QAM	1	12	18.43	18.41	18.45				
5	16QAM	1	24	18.42	18.45	18.39				
5	16QAM	12	0	18.45	18.43	18.44				
5	16QAM	12	7	18.41	18.38	18.44				
5	16QAM	12	13	18.46	18.51	18.47	19.5	0		
5	16QAM	25	0	18.44	18.42	18.48				
5	64QAM	1	0	18.41	18.43	18.43				
5	64QAM	1	12	18.48	18.48	18.48				
5	64QAM	1	24	18.52	18.48	18.48				
5	64QAM	12	0	18.45	18.47	18.49	19.5	0		
5	64QAM	12	7	18.42	18.45	18.46				
5	64QAM	12	13	18.44	18.47	18.46				
5	64QAM	25	0	18.53	18.53	18.52				

Band 38_Ant 31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				37850	38000	38150				
20	QPSK	1	0	23.49	23.65	23.57	24.5	0		
20	QPSK	1	49	23.43	23.46	23.57				
20	QPSK	1	99	23.44	23.56	23.52				
20	QPSK	50	0	22.70	22.79	22.73	23.5	1		
20	QPSK	50	24	22.66	22.62	22.62				
20	QPSK	50	50	22.54	22.62	22.58				
20	QPSK	100	0	22.71	22.77	22.52	22.5	2		
20	16QAM	1	0	22.71	22.42	22.43				
20	16QAM	1	49	22.85	22.81	22.70				
20	16QAM	1	99	22.54	23.03	22.84	21.5	3		
20	16QAM	50	0	21.57	21.48	21.43				
20	16QAM	50	24	21.80	21.61	21.70				
20	16QAM	50	50	21.72	21.74	21.73	22.5	2		
20	64QAM	1	0	21.82	22.01	21.13				
20	64QAM	1	49	21.52	21.87	21.65				
20	64QAM	1	99	21.69	21.72	21.52	21.5	3		
20	64QAM	50	0	20.57	20.52	20.55				
20	64QAM	50	24	20.67	20.58	20.69				
20	64QAM	50	50	20.76	20.84	20.79	Time-up limit (dBm)	MPR (dB)		
20	64QAM	100	0	20.76	20.60	20.49				
Channel										
Frequency (MHz)				37825 <th>38000</th> <th>38175</th> <th></th> <th colspan="2"></th>	38000	38175				
15	QPSK	1	0	23.37	23.50	23.55	24.5	0		
15	QPSK	1	37	23.30	23.31	23.56				
15	QPSK	1	74	23.30	23.47	23.43				
15	QPSK	36	0	22.54	22.66	22.63	23.5	1		
15	QPSK	36	20	22.52	22.51	22.61				
15	QPSK	36	38	22.54	22.54	22.52				
15	QPSK	75	0	22.60	22.63	22.46	23.5	1		
15	16QAM	1	0	22.57	22.30	22.31				
15	16QAM	1	37	22.83	22.71	22.63				
15	16QAM	1	74	22.47	22.81	22.83	22.5	2		
15	16QAM	36	0	21.47	21.47	21.36				
15	16QAM	36	20	21.74	21.54	21.65				
15	16QAM	36	39	21.63	21.73	21.65	21.5	3		
15	16QAM	75	0	21.58	21.58	21.61				
15	64QAM	1	0	21.67	21.53	21.69				
15	64QAM	1	37	21.76	21.36	21.59	22.5	2		
15	64QAM	1	74	21.59	21.67	21.42				
15	64QAM	36	0	20.46	20.47	20.42				
15	64QAM	36	20	20.59	20.53	20.58	21.5	3		
15	64QAM	36	39	20.71	20.69	20.66				
15	64QAM	75	0	20.66	20.50	20.40				
Channel										
Frequency (MHz)				37875 <th>38000<th>38225</th><th></th><th colspan="2"></th></th>	38000 <th>38225</th> <th></th> <th colspan="2"></th>	38225				
10	QPSK	1	0	23.46	23.63	23.53	24.5	0		
10	QPSK	1	25	23.28	23.34	23.52				
10	QPSK	1	49	23.28	23.43	23.54				
10	QPSK	25	0	22.66	22.73	22.64	23.5	1		
10	QPSK	12	23	22.62	22.65	22.58				
10	QPSK	25	25	22.63	22.47	22.50				
10	QPSK	50	0	22.70	22.64	22.42	23.5	1		
10	16QAM	1	0	22.68	22.33	22.38				
10	16QAM	1	25	22.72	22.72	22.60				
10	16QAM	1	49	22.49	22.49	22.74	22.5	2		
10	16QAM	25	0	21.42	21.32	21.28				
10	16QAM	25	12	21.71	21.50	21.64				
10	16QAM	50	0	21.64	21.61	21.52	21.5	3		
10	64QAM	1	0	21.66	21.56	21.68				
10	64QAM	1	25	21.37	21.78	21.51				
10	64QAM	1	49	21.59	21.66	21.44	22.5	2		
10	64QAM	25	0	20.48	20.50	20.42				
10	64QAM	25	12	20.52	20.51	20.62				
10	64QAM	25	25	20.67	20.50	20.60	21.5	3		
10	64QAM	50	0	20.71	20.52	20.38				
Channel										
Frequency (MHz)				37775 <th>38000<th>38225</th><th></th><th colspan="2"></th></th>	38000 <th>38225</th> <th></th> <th colspan="2"></th>	38225				
5	QPSK	1	0	23.33	23.55	23.48	24.5	0		
5	QPSK	1	12	23.30	23.37	23.41				
5	QPSK	1	24	23.31	23.52	23.42				
5	QPSK	12	0	22.62	22.62	22.58	23.5	1		
5	QPSK	12	7	22.63	22.46	22.58				
5	QPSK	12	13	22.60	22.49	22.48				
5	QPSK	25	0	22.67	22.61	22.42	23.5	1		
5	16QAM	1	0	22.57	22.28	22.30				
5	16QAM	1	12	22.49	22.65	22.57				
5	16QAM	1	24	22.45	22.87	22.74	22.5	2		
5	16QAM	12	0	21.56	21.41	21.35				
5	16QAM	12	7	21.77	21.55	21.61				
5	16QAM	12	13	21.65	21.63	21.59	21.5	3		
5	16QAM	25	0	21.07	21.07	21.48				
5	64QAM	1	0	21.07	21.97	21.03				
5	64QAM	1	12	21.42	21.83	21.33	22.5	2		
5	64QAM	1	24	21.57	21.65	21.51				
5	64QAM	12	0	20.52	20.46	20.51				
5	64QAM	12	7	20.58	20.58	20.53	21.5	3		
5	64QAM	12	13	20.77	20.82	20.70				
5	64QAM	25	0	20.75	20.58	20.34				



Band 41_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40165	40620	41055	41440	Tune-up limit (dBm)	MPR (dB)
				2501.5	2548.5	2593	2639.5	2685.5		
20	QPSK	1	0	18.53	18.50	18.51	18.51	18.59	19.5	0
20	QPSK	1	49	18.43	18.52	18.56	18.50	18.56		
20	QPSK	1	99	18.43	18.57	18.51	18.48	18.54		
20	QPSK	50	0	18.46	18.57	18.59	18.48	18.57		
20	QPSK	50	24	18.39	18.56	18.53	18.40	18.47	19.5	0
20	QPSK	50	50	18.38	18.50	18.52	18.38	18.54		
20	QPSK	100	0	18.41	18.47	18.51	18.43	18.49		
20	16QAM	1	0	18.45	18.54	18.52	18.44	18.47		
20	16QAM	1	49	18.37	18.52	18.49	18.42	18.56	19.5	0
20	16QAM	1	99	18.38	18.55	18.52	18.38	18.56		
20	16QAM	50	0	18.36	18.50	18.50	18.36	18.54		
20	16QAM	50	24	18.41	18.55	18.56	18.44	18.55		
20	16QAM	50	50	18.39	18.49	18.51	18.39	18.54	19.5	0
20	16QAM	100	0	18.42	18.50	18.56	18.39	18.55		
20	64QAM	1	0	18.38	18.55	18.49	18.45	18.47		
20	64QAM	1	49	18.43	18.55	18.58	18.38	18.54		
20	64QAM	1	99	18.41	18.54	18.56	18.41	18.55	19.5	0
20	64QAM	50	0	18.37	18.54	18.53	18.40	18.52		
20	64QAM	50	24	18.44	18.47	18.58	18.39	18.48		
20	64QAM	50	50	18.45	18.53	18.55	18.46	18.55		
20	64QAM	100	0	18.36	18.51	18.57	18.44	18.50	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40173	40620	41093	41515		
Frequency (MHz)				2501.5	2548.5	2593	2639.5	2685.5		
15	QPSK	1	0	18.51	18.54	18.56	18.52	18.57	19.5	0
15	QPSK	1	37	18.46	18.48	18.54	18.48	18.52		
15	QPSK	1	74	18.46	18.42	18.42	18.50	18.44		
15	QPSK	36	0	18.49	18.56	18.56	18.49	18.56		
15	QPSK	36	20	18.51	18.51	18.48	18.47	18.43	19.5	0
15	QPSK	36	39	18.47	18.49	18.46	18.48	18.44		
15	QPSK	75	0	18.44	18.44	18.41	18.41	18.41		
15	16QAM	1	0	18.50	18.48	18.43	18.46	18.44		
15	16QAM	1	37	18.42	18.43	18.43	18.46	18.41	19.5	0
15	16QAM	1	74	18.46	18.48	18.45	18.48	18.43		
15	16QAM	36	0	18.44	18.42	18.45	18.41	18.48		
15	16QAM	36	20	18.46	18.49	18.52	18.53	18.51		
15	16QAM	36	39	18.46	18.45	18.43	18.43	18.45	19.5	0
15	16QAM	75	0	18.55	18.51	18.53	18.51	18.48		
15	64QAM	1	0	18.39	18.40	18.41	18.42	18.47		
15	64QAM	1	37	18.50	18.52	18.48	18.48	18.51		
15	64QAM	1	74	18.55	18.54	18.49	18.50	18.57	19.5	0
15	64QAM	36	0	18.43	18.51	18.46	18.45	18.48		
15	64QAM	36	20	18.49	18.51	18.48	18.50	18.56		
15	64QAM	36	39	18.51	18.46	18.54	18.54	18.54		
15	64QAM	75	0	18.55	18.47	18.52	18.55	18.47	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.58	18.54	18.58	18.57	18.57	19.5	0
10	QPSK	1	25	18.53	18.52	18.46	18.54	18.50		
10	QPSK	1	49	18.48	18.47	18.44	18.45	18.45		
10	QPSK	25	0	18.57	18.51	18.51	18.54	18.56		
10	QPSK	25	12	18.43	18.48	18.49	18.47	18.49	19.5	0
10	QPSK	25	25	18.45	18.46	18.42	18.42	18.51		
10	QPSK	50	0	18.47	18.48	18.45	18.46	18.42		
10	16QAM	1	0	18.49	18.46	18.46	18.42	18.45		
10	16QAM	1	25	18.44	18.46	18.44	18.41	18.47	19.5	0
10	16QAM	1	49	18.48	18.50	18.50	18.45	18.48		
10	16QAM	25	0	18.44	18.45	18.40	18.48	18.49		
10	16QAM	25	12	18.47	18.49	18.40	18.50	18.55		
10	16QAM	25	25	18.45	18.42	18.48	18.44	18.47	19.5	0
10	16QAM	50	0	18.46	18.39	18.48	18.46	18.40		
10	64QAM	1	0	18.46	18.39	18.48	18.46	18.40		
10	64QAM	1	25	18.54	18.50	18.54	18.52	18.54		
10	64QAM	1	49	18.50	18.54	18.55	18.55	18.55	19.5	0
10	64QAM	25	0	18.46	18.44	18.49	18.47	18.43		
10	64QAM	25	12	18.50	18.56	18.51	18.50	18.54		
10	64QAM	25	25	18.46	18.47	18.53	18.47	18.49		
10	64QAM	50	0	18.49	18.49	18.54	18.49	18.48	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5		
5	QPSK	1	0	18.56	18.55	18.52	18.60	18.51	19.5	0
5	QPSK	1	12	18.53	18.53	18.47	18.48	18.49		
5	QPSK	1	24	18.50	18.46	18.41	18.41	18.43		
5	QPSK	12	0	18.55	18.55	18.55	18.57	18.57		
5	QPSK	12	7	18.48	18.44	18.52	18.43	18.52	19.5	0
5	QPSK	12	13	18.49	18.50	18.42	18.47	18.48		
5	QPSK	25	0	18.42	18.48	18.46	18.49	18.48		
5	16QAM	1	0	18.50	18.49	18.45	18.47	18.50		
5	16QAM	1	12	18.42	18.41	18.48	18.45	18.41	19.5	0
5	16QAM	1	24	18.47	18.43	18.46	18.46	18.48		
5	16QAM	12	0	18.48	18.42	18.47	18.45	18.47		
5	16QAM	12	7	18.46	18.51	18.50	18.47	18.50		
5	16QAM	12	13	18.46	18.49	18.41	18.45	18.49	19.5	0
5	16QAM	25	0	18.53	18.52	18.55	18.54	18.49		
5	64QAM	1	0	18.47	18.40	18.41	18.39	18.46		
5	64QAM	1	12	18.53	18.54	18.54	18.49	18.50		
5	64QAM	1	24	18.50	18.49	18.50	18.50	18.55	19.5	0
5	64QAM	12	0	18.45	18.51	18.52	18.51	18.43		
5	64QAM	12	7	18.56	18.55	18.56	18.50	18.50		
5	64QAM	12	13	18.54	18.51	18.54	18.52	18.51		
5	64QAM	25	0	18.47	18.56	18.56	18.52	18.54	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5		
10	QPSK	1	0	18.58	18.54	18.58	18.57	18.57	19.5	0
10	QPSK	1	25	18.53	18.52	18.46	18.54	18.50		
10	QPSK	1	49	18.48	18.47	18.44	18.45	18.45		
10	QPSK	25	0	18.57	18.51	18.51	18.54	18.56		
10	QPSK	25	12	18.43	18.48	18.49	18.47	18.49	19.5	0
10	QPSK	25	25	18.45	18.46	18.42	18.42	18.51		
10	QPSK	50	0	18.47	18.48	18.45	18.46	18.42		
10	16QAM	1	0	18.49	18.46	18.46	18.42	18.45		
10	16QAM	1	25	18.44	18.46	18.44	18.41	18.47	19.5	0
10	16QAM	1	49	18.48	18.50	18.50	18.45	18.48		
10	16QAM	25	0	18.44	18.45	18.40	18.48	18.49		
10	16QAM	25	12	18.47	18.49	18.40	18.50	18.55		
10	16QAM	25	25	18.45	18.42	18.48	18.44	18.47	19.5	0
10	16QAM	50	0	18.46	18.55	18.53	18.49	18.48		
10	64QAM	1	0	18.46	18.39	18.48	18.46	18.40		
10	64QAM	1	25	18.54	18.50	18.54	18.52	18.54		
10	64QAM	1	49	18.50	18.54	18.55	18.55	18.55	19.5	0
10	64QAM	25	0	18.46	18.44	18.49	18.47	18.43		
10	64QAM	25	12	18.50	18.56	18.51	18.50	18.54		
10	64QAM	25	25	18.46	18.47	18.53	18.47	18.49		
10	64QAM	50	0	18.49	18.49	18.54	18.49	18.48	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5		
5	QPSK	1	0	18.56	18.55	18.52	18.60	18.51	19.5	0
5	QPSK	1	12	18.53	18.53	18.47	18.48	18.49		
5	QPSK	1	24	18.50	18.46	18.41	18.41	18.43		
5	QPSK	12	0	18.55	18.55	18.55	18.57	18.57		
5	QPSK	12	7	18.48	18.44	18.52	18.43	18.52	19.5	0
5	QPSK	12	13	18.49	18.50	18.42	18.47	18.48		
5	QPSK	25	0	18.42	18.48	18.46	18.49	18.48		
5	16QAM	1	0	18.50	18.49	18.45	18.47	18.50		
5	16QAM	1	12	18.42	18.41	18.48	18.45	18.41	19.5	0
5	16QAM	1	24	18.47	18.43	18.46	18.46	18.48		
5	16QAM	12	0	18.48	18.42	18.47	18.45	18.47		
5	16QAM	12	7	18.46	18.51	18.50	18.47	18.50		
5	16QAM	12	13	18.46	18.49	18.41	18.45	18.49	19.5	0
5	16QAM	25	0	18.53	18.52	18.55	18.54	18.49		
5	64QAM	1	0	18.47	18.40	18.41	18.39	18.46		
5	64QAM	1	12	18.53	18.54	18.54	18.49	18.50		
5	64QAM	1	24	18.50	18.49	18.50	18.50	18.55	19.5	0
5	64QAM	12	0	18.45	18.51	18.52	18.51	18.43		
5	64QAM	12	7	18.56	18.55	18.56	18.50	18.50		
5	64QAM	12	13	18.54	18.51	18.54	18.52	18.51		
5	64QAM	25	0	18.47	18.56	18.56	18.52	18.54	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5		
10	QPSK	1	0	18.58	18.54	18.58	18.57	18.57	19.5	0
10										



Reduced Power Mode for DSI8

GSM850_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	188	261		128	188	261	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.65	32.90	32.78		33.50	23.65	23.92	
GPRS/EDGE GSMK 1 Tx slot	32.63	32.90	32.74	33.50	23.63	23.90	23.74	24.50
GPRS/EDGE GSMK 2 Tx slots	30.33	30.53	30.45	31.50	24.33	24.53	24.45	25.50
GPRS/EDGE GSMK 3 Tx slots	28.36	28.66	28.01	29.50	24.10	24.63	23.75	25.24
GPRS/EDGE GSMK 4 Tx slots	27.17	27.40	27.22	28.00	24.17	24.40	24.22	25.00
EDGE BPSK 1 Tx slot	26.86	26.79	26.80	28.00	17.86	17.79	17.80	19.00
EDGE BPSK 2 Tx slots	25.12	25.01	25.02	26.00	19.12	19.01	19.02	20.00
EDGE BPSK 3 Tx slots	22.97	23.01	23.05	24.00	18.71	18.75	18.79	19.74
EDGE BPSK 4 Tx slots	21.62	21.56	21.63	22.50	18.52	18.56	18.63	19.50

GSM1900_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1624.2	1650	1624.6	1624.2	1650	1624.6	1624.2	1650
Frequency (MHz)	1624.2	1650	1624.6	1624.2	1650	1624.6	1624.2	1650
GSM 1 Tx slot	26.98	26.78	27.02	27.50	17.98	17.78	18.02	18.50
GPRS/EDGE GSMK 1 Tx slot	26.98	26.77	27.05	27.50	17.98	17.77	18.05	18.50
GPRS/EDGE GSMK 2 Tx slots	23.93	23.96	23.97	25.50	17.93	17.96	17.97	19.50
GPRS/EDGE GSMK 3 Tx slots	22.26	22.20	22.19	23.50	18.00	17.94	17.93	19.24
GPRS/EDGE GSMK 4 Tx slots	20.92	20.97	20.95	22.00	17.92	17.97	17.95	19.00
EDGE BPSK 1 Tx slot	20.12	20.36	20.01	27.00	17.12	17.36	17.01	18.00
EDGE BPSK 2 Tx slots	24.30	24.24	24.36	25.00	18.30	18.24	18.36	19.00
EDGE BPSK 3 Tx slots	22.37	22.31	22.30	23.00	18.11	18.05	18.04	18.74
EDGE BPSK 4 Tx slots	20.56	20.51	20.52	21.50	17.56	17.51	17.52	18.50

Band	WCDMA R_Ant 13			Tune-up Limit (dBm)	WCDMA R_Ant 31			Tune-up Limit (dBm)
	9662	9400	9538		9262	9400	9538	
TX Channel	9662	9600	9538	9662	9600	9538	9662	9600
Rx Channel	9662	9600	9538	9662	9600	9538	9662	9600
Frequency (MHz)	1652.4	1680	1607.6	1652.4	1680	1607.6	1652.4	1680
3GPP Rel 99	AMR 12.2Kbps	15.91	15.95	15.89	16.00	20.42	20.36	21.00
3GPP Rel 99	RMC 12.2Kbps	15.95	15.98	15.93	20.41	20.44	20.39	21.00
3GPP Rel 6	HSDPA Subtest-1	14.85	14.78	14.78	16.00	19.33	19.35	19.28
3GPP Rel 6	HSDPA Subtest-2	14.88	14.80	14.83	16.00	19.43	19.37	19.33
3GPP Rel 6	HSDPA Subtest-3	14.36	14.24	14.23	15.50	18.87	18.76	18.90
3GPP Rel 6	HSDPA Subtest-4	14.41	14.32	14.25	15.50	18.90	18.81	18.90
3GPP Rel 6	DC-HSDPA Subtest-1	14.74	14.64	14.69	16.00	19.36	19.28	19.19
3GPP Rel 8	DC-HSDPA Subtest-2	14.82	14.61	14.68	16.00	19.34	19.27	19.26
3GPP Rel 8	DC-HSDPA Subtest-3	14.37	14.30	14.18	15.50	18.71	18.64	18.73
3GPP Rel 8	DC-HSDPA Subtest-4	14.25	14.19	14.19	15.50	18.94	18.75	18.76
3GPP Rel 6	HSUPA Subtest-1	14.84	14.83	14.77	16.00	19.40	19.41	19.36
3GPP Rel 6	HSUPA Subtest-2	12.77	12.77	12.87	14.00	17.36	17.40	17.36
3GPP Rel 6	HSUPA Subtest-3	13.82	13.83	13.81	15.00	18.29	18.33	18.33
3GPP Rel 6	HSUPA Subtest-4	12.88	12.81	12.76	14.00	17.32	17.34	17.25
3GPP Rel 6	HSUPA Subtest-5	14.79	14.74	14.74	16.00	19.40	19.34	19.28
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.79	13.75	13.71	15.00	18.31	18.50	18.28

Band	WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)
	4132	4182	4233		4132	4182	4233	
TX Channel	4357	4407	4458	4357	4407	4458	4357	4407
Rx Channel	4357	4407	4458	4357	4407	4458	4357	4407
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
3GPP Rel 99	AMR 12.2Kbps	24.33	24.36	24.36	25.00	24.25	24.37	24.35
3GPP Rel 99	RMC 12.2Kbps	24.35	24.40	24.37	25.00	24.27	24.38	24.38
3GPP Rel 6	HSDPA Subtest-1	23.52	23.61	23.58	24.50	23.46	23.53	23.57
3GPP Rel 6	HSDPA Subtest-2	23.54	23.57	23.59	24.50	23.47	23.54	23.54
3GPP Rel 6	HSDPA Subtest-3	22.99	23.08	23.08	24.00	22.94	22.97	23.10
3GPP Rel 6	HSDPA Subtest-4	23.02	23.09	23.08	24.00	22.94	23.00	23.05
3GPP Rel 8	DC-HSDPA Subtest-1	23.39	23.54	23.55	24.50	23.45	23.47	23.56
3GPP Rel 8	DC-HSDPA Subtest-2	23.50	23.41	23.48	24.50	23.45	23.47	23.53
3GPP Rel 8	DC-HSDPA Subtest-3	22.97	22.96	23.00	24.00	22.83	22.89	22.95
3GPP Rel 8	DC-HSDPA Subtest-4	22.99	22.96	22.98	24.00	22.81	22.85	23.04
3GPP Rel 6	HSUPA Subtest-1	23.52	23.55	23.60	24.50	23.46	23.55	23.57
3GPP Rel 6	HSUPA Subtest-2	21.54	21.59	21.59	22.50	21.50	21.51	21.51
3GPP Rel 6	HSUPA Subtest-3	22.59	22.57	22.57	23.50	22.47	22.51	22.53
3GPP Rel 6	HSUPA Subtest-4	21.56	21.58	21.58	23.00	21.52	21.47	21.58
3GPP Rel 6	HSUPA Subtest-5	23.60	23.60	23.60	24.50	23.50	23.60	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.66	22.67	22.64	23.50	22.51	22.53	22.51

GSM850_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	188	261		128	188	261	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.60	32.95	32.74		33.50	23.60	23.95	
GPRS/EDGE GSMK 1 Tx slot	32.59	32.91	32.72	33.50	23.59	23.91	23.72	24.50
GPRS/EDGE GSMK 2 Tx slots	30.31	30.56	30.47	31.50	24.31	24.56	24.47	25.50
GPRS/EDGE GSMK 3 Tx slots	27.60	28.85	28.62	29.50	23.34	24.59	24.38	25.24
GPRS/EDGE GSMK 4 Tx slots	27.04	27.22	27.20	28.00	24.04	24.22	24.20	25.00
EDGE BPSK 1 Tx slot	26.89	26.83	26.80	28.00	17.89	17.83	17.80	19.00
EDGE BPSK 2 Tx slots	24.98	24.81	25.01	26.00	18.98	18.81	19.01	20.00
EDGE BPSK 3 Tx slots	22.99	23.02	23.25	24.00	18.73	18.76	18.99	19.74
EDGE BPSK 4 Tx slots	21.63	21.38	21.56	22.50	18.63	18.38	18.56	19.50

GSM1900_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1652.2	1650	1624.2	1652.2	1650	1624.2	1652.2	1650
Frequency (MHz)	1652.2	1650	1624.2	1652.2	1650	1624.2	1652.2	1650
GSM 1 Tx slot	29.37	29.40	29.33	30.00	20.37	20.40	20.33	21.00
GPRS/EDGE GSMK 1 Tx slot	29.34	29.36	29.30	30.00	20.34	20.36	20.30	21.00
GPRS/EDGE GSMK 2 Tx slots	26.56	26.58	26.55	28.00	20.56	20.58	20.55	22.00
GPRS/EDGE GSMK 3 Tx slots	24.60	24.63	24.58	26.00	20.34	20.37	20.32	21.74
GPRS/EDGE GSMK 4 Tx slots	23.38	23.42	23.36	24.50	20.38	20.42	20.36	21.50
EDGE BPSK 1 Tx slot	25.91	25.96	26.01	27.00	16.91	16.96	17.01	18.00
EDGE BPSK 2 Tx slots	24.20	24.20	24.23	25.00	18.20	18.20	18.23	19.00
EDGE BPSK 3 Tx slots	22.18	22.17	22.35	23.00	17.92	17.91	18.09	18.74
EDGE BPSK 4 Tx slots	20.64	20.57	20.56	21.50	17.64	17.57	17.56	18.50

Band	WCDMA R_Ant 31			Tune-up Limit (dBm)	WCDMA R_Ant 13			Tune-up Limit (dBm)
	1312	1413	1513		1312	1413	1513	
TX Channel	1537	1638	1738	1537	1638	1738	1537	1638
Rx Channel	1537	1638	1738	1537	1638	1738	1537	1638
Frequency (MHz)	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4	1732.6
3GPP Rel 99	AMR 12.2Kbps	16.91	16.97	16.93	17.50	20.85	20.86	20.82
3GPP Rel 99	RMC 12.2Kbps	16.94	16.98	16.96	17.50	20.87	20.89	20.85
3GPP Rel 6	HSDPA Subtest-1	15.79	15.83	15.88	17.00	19.90	20.05	19.94
3GPP Rel 6	HSDPA Subtest-2	15.74	15.91	15.88	17.00	19.87	20.00	19.96
3GPP Rel 6	HSDPA Subtest-3	15.20	15.43	15.33	16.50	19.39	19.51	19.50
3GPP Rel 6	HSDPA Subtest-4	15.23	15.36	15.36	16.50	19.47	19.53	19.46
3GPP Rel 8	DC-HSDPA Subtest-1	15.72	15.81	15.81	17.00	19.84	19.93	19.82
3GPP Rel 8	DC-HSDPA Subtest-2	15.70	15.72	15.76	17.00	19.78	19.98	19.90
3GPP Rel 8	DC-HSDPA Subtest-3	15.22	15.30	15.19	16.50	19.41	19.49	19.48
3GPP Rel 8	DC-HSDPA Subtest-4	15.25	15.40	15.28	16.50	19.33	19.54	19.42
3GPP Rel 6	HSUPA Subtest-1	15.84	16.00	15.92	17.00	19.89	20.07	19.97
3GPP Rel 6	HSUPA Subtest-2	13.90	13.87	13.94	15.00	17.95	17.98	17.83
3GPP Rel 6	HSUPA Subtest-3	14.87	14.85	14.94	16.00	18.79	18.99	18.95
3GPP Rel 6	HSUPA Subtest-4	13.92	14.01	13.92	15.00	17.90	18.06	17.99
3GPP Rel 6	HSUPA Subtest-5	15.83	15.94	15.84	17.00	19.91	20.03	19.89
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.88	14.92	14.86	16.00	18.90	19.03	19.03

Band	WCDMA V_Ant 31			Tune-up Limit (dBm)	WCDMA V_Ant 13			Tune-up Limit (dBm)
	4132	4182	4233		4132	4182	4233	
TX Channel	4357	4407	4458	4357	4407	4458	4357	4407
Rx Channel	4357	4407	4458	4357	4407	4458	4357	4407
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
3GPP Rel 99	AMR 12.2Kbps	24.33	24.36	24.36	25.00	24.25	24.37	24.35
3GPP Rel 99	RMC 12.2Kbps	24.35	24.40	24.37	25.00	24.27	24.38	24.38
3GPP Rel 6	HSDPA Subtest-1	23.52	23.61	23.58	24.50	23.46	23.53	23.57
3GPP Rel 6	HSDPA Subtest-2	23.54	23.57	23.59	24.50	23.47	23.54	23.54
3G								

Band 2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.30	17.46	17.46			
20	QPSK	1	49	17.38	17.38	17.38	18.5	0	
20	QPSK	1	99	17.35	17.39	17.39			
20	QPSK	50	0	17.23	17.43	17.42			
20	QPSK	50	24	17.24	17.28	17.28	18.5	0	
20	QPSK	50	50	17.24	17.38	17.40			
20	QPSK	100	0	17.19	17.36	17.33			
20	16QAM	1	0	17.11	17.27	17.30			
20	16QAM	1	49	17.18	17.26	17.28	18.5	0	
20	16QAM	1	99	17.12	17.33	17.30			
20	16QAM	50	0	17.10	17.34	17.28			
20	16QAM	50	24	17.15	17.26	17.29	18.5	0	
20	16QAM	50	50	17.10	17.29	17.29			
20	16QAM	100	0	17.11	17.30	17.26			
20	16QAM	1	0	17.15	17.30	17.29	18.5	0	
20	16QAM	1	49	17.12	17.27	17.23			
20	16QAM	1	99	17.15	17.30	17.25			
20	16QAM	50	0	17.14	17.31	17.31			
20	16QAM	50	24	17.14	17.30	17.30	18.5	0	
20	16QAM	50	50	17.12	17.27	17.25			
20	16QAM	100	0	17.11	17.29	17.26			
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.75	16.80	16.80			
15	QPSK	1	37	17.28	17.34	17.31	18.5	0	
15	QPSK	1	74	17.38	17.30	17.36			
15	QPSK	36	0	17.40	17.42	17.37			
15	QPSK	36	12	17.31	17.28	17.31	18.5	0	
15	QPSK	36	39	17.30	17.37	17.31			
15	QPSK	75	0	17.28	17.32	17.28			
15	16QAM	1	0	17.18	17.18	17.26			
15	16QAM	1	37	17.16	17.21	17.20	18.5	0	
15	16QAM	1	74	17.27	17.30	17.24			
15	16QAM	36	0	17.29	17.32	17.27			
15	16QAM	36	12	17.18	17.23	17.24	18.5	0	
15	16QAM	36	39	17.27	17.21	17.26			
15	16QAM	75	0	17.20	17.29	17.26			
15	16QAM	1	0	17.28	17.29	17.26			
15	16QAM	1	37	17.20	17.20	17.20	18.5	0	
15	16QAM	1	74	17.23	17.23	17.22			
15	16QAM	36	0	17.27	17.30	17.29			
15	16QAM	36	12	17.20	17.23	17.24	18.5	0	
15	16QAM	36	39	17.17	17.18	17.21			
15	16QAM	75	0	17.25	17.25	17.23			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.42	17.41	17.47			
10	QPSK	1	25	17.29	17.36	17.33	18.5	0	
10	QPSK	1	49	17.38	17.33	17.36			
10	QPSK	1	74	17.40	17.28	17.41			
10	QPSK	25	12	17.28	17.31	17.36			
10	QPSK	25	25	17.31	17.28	17.31	18.5	0	
10	QPSK	50	0	17.26	17.23	17.23			
10	16QAM	1	0	17.20	17.21	17.23			
10	16QAM	1	25	17.24	17.16	17.25	18.5	0	
10	16QAM	1	49	17.28	17.25	17.31			
10	16QAM	25	0	17.30	17.30	17.32			
10	16QAM	25	12	17.22	17.19	17.26	18.5	0	
10	16QAM	25	25	17.23	17.23	17.21			
10	16QAM	50	0	17.23	17.21	17.26			
10	16QAM	1	0	17.28	17.29	17.26			
10	16QAM	1	25	17.26	17.19	17.19	18.5	0	
10	16QAM	1	49	17.20	17.20	17.20			
10	16QAM	25	0	17.22	17.29	17.25	18.5	0	
10	16QAM	25	12	17.26	17.29	17.27			
10	16QAM	25	25	17.21	17.22	17.25			
10	16QAM	50	0	17.26	17.22	17.26			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.44	17.47	17.38			
5	QPSK	1	12	17.33	17.29	17.35	18.5	0	
5	QPSK	1	24	17.36	17.34	17.32			
5	QPSK	12	0	17.33	17.38	17.40			
5	QPSK	12	7	17.27	17.30	17.32	18.5	0	
5	QPSK	12	13	17.34	17.36	17.36			
5	QPSK	25	0	17.28	17.30	17.28			
5	16QAM	1	0	17.18	17.21	17.26			
5	16QAM	1	12	17.25	17.23	17.17	18.5	0	
5	16QAM	1	24	17.28	17.23	17.27			
5	16QAM	12	0	17.25	17.33	17.28			
5	16QAM	12	7	17.26	17.23	17.24	18.5	0	
5	16QAM	12	13	17.25	17.22	17.23			
5	16QAM	25	0	17.21	17.22	17.25			
5	16QAM	1	0	17.28	17.21	17.21			
5	16QAM	1	12	17.25	17.24	17.22	18.5	0	
5	16QAM	1	24	17.24	17.26	17.17			
5	16QAM	12	0	17.28	17.21	17.29			
5	16QAM	12	7	17.29	17.27	17.25	18.5	0	
5	16QAM	12	13	17.22	17.25	17.25			
5	16QAM	25	0	17.25	17.21	17.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.44	17.46	17.41			
3	QPSK	1	8	17.36	17.34	17.32	18.5	0	
3	QPSK	1	14	17.33	17.33	17.33			
3	QPSK	8	0	17.40	17.40	17.41			
3	QPSK	8	4	17.30	17.28	17.26	18.5	0	
3	QPSK	8	12	17.23	17.23	17.27			
3	QPSK	15	0	17.32	17.26	17.30			
3	16QAM	1	0	17.18	17.21	17.19			
3	16QAM	1	8	17.18	17.16	17.20	18.5	0	
3	16QAM	1	14	17.31	17.29	17.31			
3	16QAM	8	0	17.31	17.27	17.26			
3	16QAM	8	4	17.22	17.27	17.18	18.5	0	
3	16QAM	8	12	17.20	17.19	17.27			
3	16QAM	15	0	17.26	17.23	17.25			
3	16QAM	1	0	17.29	17.27	17.20			
3	16QAM	1	8	17.26	17.25	17.19	18.5	0	
3	16QAM	25	0	17.23	17.25	17.24			
3	16QAM	8	0	17.24	17.23	17.28			
3	16QAM	8	4	17.25	17.23	17.29	18.5	0	
3	16QAM	8	7	17.24	17.26	17.17			
3	16QAM	15	0	17.23	17.27	17.25			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.41	17.39	17.47			
1.4	QPSK	1	3	17.36	17.32	17.37	18.5	0	
1.4	QPSK	1	5	17.35	17.33	17.30			
1.4	QPSK	3	0	17.41	17.39	17.36			
1.4	QPSK	3	1	17.34	17.28	17.27			
1.4	QPSK	3	1	17.32	17.30	17.30	18.5	0	
1.4	QPSK	6	0	17.35	17.29	17.30			
1.4	16QAM	1	0	17.23	17.20	17.18			
1.4	16QAM	1	3	17.18	17.23	17.24	18.5	0	
1.4	16QAM	1	5	17.27	17.30	17.31			
1.4	16QAM	3	0	17.24	17.28	17.32			
1.4	16QAM	3	1	17.24	17.22	17.20	18.5	0	
1.4	16QAM	3	1	17.19	17.20	17.22			
1.4	16QAM	6	0	17.27	17.27	17.22			
1.4	16QAM	1	0	17.23	17.27	17.26	18.5	0	
1.4	16QAM	1	3	17.18	17.23	17.21			
1.4	16QAM	1	5	17.27	17.23	17.28			
1.4	16QAM	3	0	17.23	17.22	17.27	18.5	0	
1.4	16QAM	3	1	17.29	17.31	17.31			
1.4	16QAM	3	1	17.22	17.19	17.18			
1.4	16QAM	6	0	17.23	17.26	17.21	18.5	0	

Band 2_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18900	19100			
20	QPSK	1	0	20.52	20.42	20.53			
20	QPSK	1	49	20.45	20.50	20.45	21.5	0	
20	QPSK	1	99	20.43	20.59	20.48			
20	QPSK	50	0	20.49	20.55	20.45			
20	QPSK	50	24	20.42	20.45	20.40	21.5	0	
20	QPSK	50	50	20.40	20.50	20.39			
20	QPSK	100	0	20.42	20.54	20.39			
20	16QAM	1	0	20.40	20.45	20.37			
20	16QAM	1	49	20.45	20.45	20.33	21.5	0	
20	16QAM	1	99	20.45	20.52	20.33			
20	16QAM	50	0	20.46	20.54	20.40			
20	16QAM	50	24	20.42	20.47	20.39	21.5	0	
20	16QAM	50	50	20.46	20.53	20.33			
20	16QAM	100	0	20.41	20.51	20.35			
Channel				18875	18900	19125	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18875	18900	19125			
15	QPSK	1	0	20.14	20.81	20.55	21.5	0	
15	QPSK	1	37	20.54	20.50	20.50			
15	QPSK	1	74	20.55	20.52	20.58			
15	QPSK	50	0	20.45	20.54	20.50	21.5	0	
15	QPSK	50	20	20.44	20.42	20.35			
15	QPSK	36	39	20.41	20.48	20.47	21.5	0	
15	QPSK	75	0	20.50	20.53	20.51			
15	QPSK	75	49	20.42	20.41	20.42			
15	16QAM	1	37	20.44	20.41	20.40	21.5	0	
15	16QAM	1	74	20.45	20.50	20.51			
15	16QAM	36	39	20.47	20.45	20.48			
15	16QAM	36	20	20.39	20.37	20.39			
15	16QAM	36	39	20.47	20.45	20.41	21.5	0	
15	16QAM	75	0	20.45	20.42	20.46			
15	16QAM	75	49	20.44	20.43	20.43			
15	16QAM	1	37	20.42	20.44	20.37	21.5	0	
15	16QAM	1	74	20.47	20.47	20.45			
15	16QAM	36	39	20.47	20.45	20.44			
15	16QAM	36	20	20.37	20.37	20.39			
15	16QAM	36	39	20.52	20.49	20.44	21.5	0	
15	16QAM	75	0	20.49	20.47	20.43			
Channel				18875	18900	19125	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18875	18900	19125			
10	QPSK	1	0	20.58	20.57	20.59	21.5	0	
10	QPSK	1	25	20.59	20.52	20.51			
10	QPSK	1	50	20.50	20.42	20.50			
10	QPSK	25	0	20.45	20.54	20.52	21.5	0	
10	QPSK	25	12	20.38	20.36	20.39			
10	QPSK	25	25	20.45	20.41	20.47			
10	QPSK	50	0	20.45	20.52	20.47	21.5	0	
10	16QAM	1	0	20.37	20.43	20.40			
10	16QAM	1	25	20.37	20.40	20.41	21.5	0	
10	16QAM	1	50	20.45	20.45	20.43			
10	16QAM	25	0	20.51	20.49	20.53			
10	16QAM	25	12	20.45	20.44	20.45	21.5	0	
10	16QAM	25	25	20.46	20.43	20.46			
10	16QAM	50	0	20.42	20.48	20.41			
10	16QAM	1	0	20.45	20.42	20.40	21.5	0	
10	16QAM	1	25	20.39	20.36	20.45			
10	16QAM	1	50	20.46	20.46	20.41	21.5	0	
10	16QAM	25	0	20.44	20.47	20.47			
10	16QAM	25	12	20.38	20.43	20.40	21.5	0	
10	16QAM	25	25	20.51	20.43	20.45			
10	16QAM	50	0	20.44	20.45	20.46			
Channel				18925	18900	19175	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18925	18900	19175			
5	QPSK	1	0	20.58	20.53	20.54	21.5	0	
5	QPSK	1	25	20.52	20.47	20.52			
5	QPSK	1	24	20.54	20.55	20.55			
5	QPSK	12	0	20.46	20.46	20.52	21.5	0	
5	QPSK	12	7	20.43	20.37	20.48			
5	QPSK	12	19	20.42	20.41	20.42			
5	QPSK	25	0	20.50	20.44	20.50	21.5	0	
5	QPSK	25	12	20.37	20.44	20.37			
5	QPSK	25	19	20.39	20.38	20.40			
5	16QAM	1	24	20.51	20.47	20.46	21.5	0	
5	16QAM	12	0	20.46	20.49	20.47			
5	16QAM	12	7	20.39	20.38	20.40			
5	16QAM	12	13	20.41	20.40	20.43	21.5	0	
5	16QAM	25	0	20.42	20.43	20.40			
5	16QAM	1	0	20.42	20.43	20.47	21.5	0	
5	16QAM	1	24	20.41	20.41	20.41			
5	16QAM	12	0	20.47	20.40	20.43			
5	16QAM	12	7	20.42	20.38	20.45			
5	16QAM	12	13	20.46	20.50	20.43	21.5	0	
5	16QAM	25	0	20.42	20.44	20.45			
Channel				18915	18900	19185	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18915	18900	19185			
3	QPSK	1	0	20.61	20.52	20.54	21.5	0	
3	QPSK	1	8	20.54	20.54	20.56			
3	QPSK	1	14	20.55	20.58	20.49			
3	QPSK	15	0	20.48	20.48	20.49	21.5	0	
3	QPSK	15	8	20.47	20.44	20.44			
3	QPSK	8	4	20.39	20.44	20.39			
3	QPSK	8	7	20.47	20.43	20.44			
3	QPSK	15	0	20.48	20.44	20.51	21.5	0	
3	QPSK	15	8	20.39	20.38	20.38			
3	16QAM	1	8	20.45	20.37	20.46	21.5	0	
3	16QAM	1	14	20.47	20.45	20.51			
3	16QAM	15	0	20.49	20.45	20.47	21.5	0	
3	16QAM	8	4	20.38	20.45	20.40			
3	16QAM	8	7	20.47	20.39	20.46	21.5	0	
3	16QAM	15	0	20.37	20.43	20.39			
3	16QAM	15	8	20.39	20.38	20.39			
3	16QAM	1	8	20.37	20.36	20.37	21.5	0	
3	16QAM	1	14	20.38	20.38	20.47			
3	16QAM	15	0	20.47	20.41	20.41	21.5	0	
3	16QAM	8	4	20.42	20.39	20.43			
3	16QAM	8	7	20.49	20.52	20.51	21.5	0	
3	16QAM	15	0	20.43	20.42	20.42			
Channel				18907	18900	1909.3	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18907	18900	1909.3			
1.4	QPSK	1	0	20.52	20.60	20.59	21.5	0	
1.4	QPSK	1	3	20.50	20.58	20.53			
1.4	QPSK	1	5	20.37	20.51	20.46	21.5	0	
1.4	QPSK	1	30	20.49	20.54	20.53			
1.4	QPSK	3	1	20.36	20.37	20.43			
1.4	QPSK	3	5	20.42	20.42	20.42			
1.4	QPSK	6	0	20.48	20.52	20.47	21.5	0	
1.4	16QAM	1	0	20.40	20.40	20.41			
1.4	16QAM	1	3	20.41	20.38	20.43			
1.4	16QAM	3	0	20.48	20.48	20.48	21.5	0	
1.4	16QAM	3	0	20.47	20.48	20.43			
1.4	16QAM	1	1	20.42	20.40	20.40			
1.4	16QAM	3	0	20.46	20.41	20.41			
1.4	16QAM	6	0	20.37	20.38	20.43	21.5	0	
1.4	16QAM	1	0	20.44	20.39	20.47			
1.4	16QAM	1	3	20.41	20.38	20.42			
1.4	16QAM	3	0	20.43	20.43	20.43	21.5	0	
1.4	16QAM	3	1	20.39	20.43	20.45			
1.4	16QAM	6	0	20.49	20.47	20.50	21.5	0	

Band 4_Ant11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn-on limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1720	1732.5	1745						
20	QPSK	1	0	19.13	19.15	19.11	20	0				
20	QPSK	1	49	19.07	19.13	19.08						
20	QPSK	1	99	19.06	19.05	19.05						
20	QPSK	50	0	19.15	19.14	19.01						
20	QPSK	50	24	19.06	19.04	19.04	20	0				
20	QPSK	50	50	19.03	19.11	19.02						
20	QPSK	100	0	19.07	19.13	19.01						
20	16QAM	1	0	19.04	19.12	19.00						
20	16QAM	1	49	19.07	19.13	19.02	20	0				
20	16QAM	1	99	19.05	19.11	19.00						
20	16QAM	50	0	19.03	19.05	19.03						
20	16QAM	50	24	19.04	19.10	19.01						
20	16QAM	50	50	19.01	19.08	19.02	20	0				
20	16QAM	100	0	19.02	19.13	19.03						
20	64QAM	1	0	19.06	19.10	19.07						
20	64QAM	1	49	19.04	19.07	19.02						
20	64QAM	1	99	19.09	19.05	19.03	20	0				
20	64QAM	50	0	19.01	19.08	19.04						
20	64QAM	50	24	19.04	19.10	19.01						
20	64QAM	50	50	19.03	19.10	19.01						
20	64QAM	100	0	19.03	19.13	19.00	Time-up limit (dBm)					
Channel				20025	20175	20325	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1732.5	1747.5						
19	QPSK	1	0	19.13	19.10	19.05	20	0				
19	QPSK	1	74	19.01	19.08	19.09						
19	QPSK	1	49	19.04	19.03	19.09						
19	QPSK	36	20	19.07	19.03	19.06						
19	QPSK	36	39	19.02	19.05	19.05	20	0				
19	QPSK	75	0	19.04	19.08	19.09						
19	16QAM	1	0	19.06	19.10	19.05						
19	16QAM	1	74	19.01	19.02	19.03						
19	16QAM	36	0	19.03	19.08	19.02	20	0				
19	16QAM	36	20	19.07	19.04	19.06						
19	16QAM	36	39	19.08	19.06	19.03						
19	16QAM	75	0	19.09	19.06	19.11						
19	64QAM	1	0	19.06	19.04	19.04	20	0				
19	64QAM	1	37	19.06	19.08	19.00						
19	64QAM	1	74	19.06	19.06	19.02						
19	64QAM	36	0	19.05	19.06	19.05						
19	64QAM	36	20	19.01	19.07	19.06						
19	64QAM	36	39	19.05	19.08	19.00	20	0				
19	64QAM	75	0	19.09	19.11	19.03						
Channel				20000	20175	20350				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5						
10	QPSK	1	0	19.13	19.10	19.05	20			0		
10	QPSK	1	25	19.01	19.08	19.08						
10	QPSK	1	49	19.04	19.03	19.09						
10	QPSK	25	0	19.11	19.06	19.06						
10	QPSK	25	12	19.07	19.03	19.07	20	0				
10	QPSK	25	25	19.09	19.08	19.06						
10	QPSK	50	0	19.03	19.06	19.07						
10	16QAM	1	0	19.03	19.06	19.07						
10	16QAM	1	25	19.07	19.08	19.04	20	0				
10	16QAM	1	49	19.10	19.04	19.03						
10	16QAM	25	0	19.01	19.04	19.04						
10	16QAM	25	12	19.09	19.09	19.04						
10	16QAM	25	25	19.03	19.02	19.07	20	0				
10	16QAM	50	0	19.11	19.08	19.06						
10	16QAM	50	0	19.07	19.04	19.08						
10	16QAM	1	25	19.04	19.03	19.09						
10	64QAM	1	49	19.06	19.06	19.07	20	0				
10	64QAM	25	0	19.02	19.06	19.06						
10	64QAM	25	12	19.08	19.09	19.01						
10	64QAM	25	25	19.05	19.03	19.07						
10	64QAM	50	0	19.04	19.07	19.09	Time-up limit (dBm)					
Channel				19975	20175	20375	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1732.5	1752.5						
5	QPSK	1	0	19.10	19.08	19.05	20	0				
5	QPSK	1	4	19.08	19.08	19.02						
5	QPSK	1	24	19.00	19.02	19.02						
5	QPSK	12	0	19.10	19.12	19.06						
5	QPSK	12	7	19.09	19.05	19.06	20	0				
5	QPSK	12	15	19.03	19.03	19.06						
5	QPSK	25	0	19.12	19.05	19.04						
5	16QAM	1	0	19.02	19.03	19.11						
5	16QAM	1	24	19.07	19.07	19.01	20	0				
5	16QAM	12	0	19.03	19.02	19.09						
5	16QAM	12	15	19.09	19.06	19.06						
5	16QAM	25	0	19.04	19.03	19.08						
5	16QAM	25	13	19.09	19.07	19.07	20	0				
5	16QAM	25	0	19.10	19.07	19.10						
5	64QAM	1	0	19.04	19.03	19.08						
5	64QAM	1	8	19.08	19.08	19.07						
5	64QAM	1	24	19.01	19.07	19.06	20	0				
5	64QAM	12	0	19.03	19.05	19.08						
5	64QAM	12	15	19.07	19.02	19.02						
5	64QAM	12	13	19.01	19.08	19.05						
5	64QAM	25	0	19.01	19.08	19.05	Time-up limit (dBm)					
Channel				19965	20175	20385	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1732.5	1752.5						
3	QPSK	1	0	19.07	19.10	19.08	20	0				
3	QPSK	1	8	19.08	19.04	19.05						
3	QPSK	1	14	19.07	19.00	19.04						
3	QPSK	8	0	19.08	19.08	19.05						
3	QPSK	8	4	19.02	19.08	19.05	20	0				
3	QPSK	8	7	19.02	19.06	19.07						
3	QPSK	15	0	19.11	19.03	19.07						
3	16QAM	1	0	19.10	19.07	19.06						
3	16QAM	1	8	19.10	19.03	19.08	20	0				
3	16QAM	1	14	19.02	19.01	19.03						
3	16QAM	8	0	19.04	19.04	19.05						
3	16QAM	8	4	19.05	19.08	19.01						
3	16QAM	15	0	19.04	19.09	19.05	20	0				
3	64QAM	1	0	19.05	19.03	19.07						
3	64QAM	1	8	19.06	19.07	19.06						
3	64QAM	15	0	19.02	19.03	19.02						
3	64QAM	8	0	19.04	19.07	19.09	20	0				
3	64QAM	8	4	19.05	19.06	19.03						
3	64QAM	8	7	19.05	19.06	19.09						
3	64QAM	15	0	19.07	19.03	19.05						
Channel				19997	20175	20393	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1710.7	1732.5	1754.3						
1.4	QPSK	1	0	19.03	19.07	19.08	20	0				
1.4	QPSK	1	3	19.08	19.06	19.05						
1.4	QPSK	1	5	19.04	19.05	19.09						
1.4	QPSK	3	0	19.05	19.04	19.12						
1.4	QPSK	3	1	19.06	19.05	19.07	20	0				
1.4	QPSK	3	3	19.10	19.10	19.10						
1.4	QPSK	6	0	19.08	19.08	19.04						
1.4	16QAM	1	0	19.10	19.06	19.04						
1.4	16QAM	1	5	19.07	19.04	19.05	20	0				
1.4	16QAM	1	5	19.10	19.07	19.06						
1.4	16QAM	3	0	19.03	19.02	19.00						
1.4	16QAM	3	3	19.09	19.07	19.00						
1.4	16QAM	6	0	19.07	19.11	19.09	20	0				
1.4	64QAM	1	0	19.08	19.07	19.00						
1.4	64QAM	1	5	19.08	19.02	19.07						
1.4	64QAM	3	0	19.05	19.08	19.05						
1.4	64QAM	3	1	19.05	19.00	19.01	20	0				
1.4	64QAM	3	3	19.07	19.06	19.01						
1.4	64QAM	6	0	19.06	19.07	19.01						

Band 5_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20450	20525	20600	Time-up limit (dBm)					
				829	836.5	844						
10	QPSK	1	0	24.14	24.32	24.31	25	0				
10	QPSK	1	25	23.10	23.12	24.31						
10	QPSK	1	49	23.94	24.12	24.04						
10	QPSK	25	0	23.94	24.12	23.02						
10	QPSK	25	12	23.33	23.33	23.33	24	1				
10	QPSK	25	25	23.09	23.04	23.12						
10	QPSK	50	0	23.11	23.18	23.04						
10	16QAM	1	0	23.37	23.24	23.27						
10	16QAM	1	25	22.82	22.82	23.40	24	1				
10	16QAM	1	49	23.01	23.02	23.16						
10	16QAM	25	0	22.09	22.17	22.10						
10	16QAM	25	12	22.06	22.08	22.00						
10	16QAM	25	25	22.16	22.12	22.12	23	2				
10	16QAM	50	0	22.30	22.19	22.13						
10	64QAM	1	0	22.62	22.19	22.13						
10	64QAM	1	25	22.62	22.28	22.16						
10	64QAM	1	49	22.34	22.35	22.16	23	2				
10	64QAM	25	0	21.05	21.08	21.08						
10	64QAM	25	12	21.03	21.10	21.12						
10	64QAM	50	0	21.00	21.17	21.13						
10	64QAM	50	25	21.08	21.07	21.03	22	3				
Channel												
Frequency (MHz)				20425	20525	20625				Time-up limit (dBm)		
				826.5	836.5	846.5						
5	QPSK	1	0	24.04	24.24	24.24	25	0				
5	QPSK	1	25	23.06	23.12	24.24						
5	QPSK	1	24	23.80	23.99	24.03						
5	QPSK	12	0	23.80	23.00	22.94						
5	QPSK	12	7	23.03	23.04	23.13	24	1				
5	QPSK	12	14	23.02	23.05	23.10						
5	QPSK	25	0	23.00	23.18	22.96						
5	16QAM	1	0	23.33	23.23	23.23						
5	16QAM	1	12	23.24	23.24	23.30	23	2				
5	16QAM	1	24	22.99	22.88	23.32						
5	16QAM	12	7	22.01	22.10	22.08						
5	16QAM	12	7	21.99	21.89	21.96						
5	16QAM	12	14	22.06	22.05	21.97	23	2				
5	16QAM	25	0	22.09	21.99	22.10						
5	16QAM	1	0	22.15	22.05	22.19						
5	16QAM	1	12	22.51	22.12	22.13						
5	16QAM	1	24	22.28	22.14	22.07	23	2				
5	64QAM	12	0	20.99	20.95	21.02						
5	64QAM	12	7	21.06	21.05	21.11						
5	64QAM	12	14	21.06	21.06	21.02						
5	64QAM	25	0	20.94	20.93	20.97	22	3				
Channel												
Frequency (MHz)				825.5	836.5	847.5				Time-up limit (dBm)		
				826.5	836.5	847.5						
3	QPSK	1	0	24.13	24.22	24.30	25	0				
3	QPSK	1	24	24.03	24.07	24.30						
3	QPSK	1	14	23.92	24.03	23.93						
3	QPSK	8	4	22.93	23.10	22.97						
3	QPSK	8	4	22.99	23.07	22.98	24	1				
3	QPSK	8	4	23.02	22.92	22.99						
3	QPSK	15	0	23.10	23.14	22.98						
3	16QAM	1	0	23.33	23.11	23.19						
3	16QAM	1	35	23.35	23.12	23.13	24	1				
3	16QAM	8	0	21.88	22.63	22.37						
3	16QAM	8	4	21.92	21.93	21.86						
3	16QAM	8	4	22.14	21.89	21.91						
3	16QAM	15	0	21.15	21.97	21.97	23	2				
3	64QAM	1	0	22.18	22.09	22.18						
3	64QAM	1	8	22.18	22.05	22.04						
3	64QAM	1	24	22.18	22.16	22.16						
3	64QAM	8	4	20.97	21.04	21.01	22	3				
3	64QAM	8	4	20.87	21.09	20.97						
3	64QAM	8	4	21.09	21.06	21.04						
3	64QAM	15	0	20.93	20.92	20.93						
Channel												
Frequency (MHz)				20407	20525	20643	Time-up limit (dBm)					
				824.7	836.5	848.3						
1.4	QPSK	1	0	24.03	24.04	24.07	25	0				
1.4	QPSK	1	24	23.97	24.13	24.07						
1.4	QPSK	1	5	23.96	23.89	23.92						
1.4	QPSK	3	0	24.06	24.04	24.05						
1.4	QPSK	3	0	24.03	24.03	24.03	24	1				
1.4	QPSK	3	3	23.97	23.93	23.99						
1.4	QPSK	6	0	23.14	23.14	23.15						
1.4	16QAM	1	0	23.10	23.07	23.10						
1.4	16QAM	1	2	23.12	23.07	23.10	24	1				
1.4	16QAM	1	5	23.17	23.08	23.16						
1.4	16QAM	3	1	23.29	23.35	23.32						
1.4	16QAM	3	1	23.33	23.28	23.32						
1.4	16QAM	3	1	23.28	23.36	23.30	23	2				
1.4	16QAM	6	0	22.13	22.14	22.25						
1.4	64QAM	1	0	22.13	22.13	22.25						
1.4	64QAM	1	2	22.12	22.09	22.17						
1.4	64QAM	1	5	22.09	22.12	22.09	23	2				
1.4	64QAM	3	1	22.24	22.20	22.32						
1.4	64QAM	3	1	22.22	22.22	22.29						
1.4	64QAM	6	0	22.20	22.21	22.22						
1.4	64QAM	6	0	21.18	21.14	21.07	22	3				

Band 7_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. Freq	Power Ch. Freq	Power Ch. Freq	Turn-on time (ms)	MFR (dB)	
Channel									
Frequency (MHz)				20510	21100	21550			
20	QPSK	1	0	21.05	21.13	21.07			
20	QPSK	1	49	21.02	21.04	21.01	22	0	
20	QPSK	1	98	21.01	21.08	21.07			
20	QPSK	50	0	21.04	21.07	21.06			
20	QPSK	50	24	21.00	20.98	20.96	22	0	
20	QPSK	50	50	21.02	21.07	21.01			
20	QPSK	100	0	20.97	21.02	20.98			
20	HQAM	1	0	20.94	21.04	20.99			
20	HQAM	1	49	21.00	21.01	21.00	22	0	
20	HQAM	1	98	20.97	21.00	20.99			
20	HQAM	50	0	20.98	21.01	20.99			
20	HQAM	50	24	20.95	20.97	21.01	22	0	
20	HQAM	50	50	21.02	21.07	20.98			
20	HQAM	100	0	20.98	21.00	20.98			
20	HQAM	1	0	20.97	20.99	21.05			
20	HQAM	1	49	21.01	20.98	21.05	22	0	
20	HQAM	1	98	21.03	20.98	21.06			
20	HQAM	50	0	20.03	20.02	20.00			
20	HQAM	50	24	20.01	20.00	20.03	21	1	
20	HQAM	50	50	20.06	20.01	19.96			
20	HQAM	100	0	20.03	19.97	19.97			
Channel									
Frequency (MHz)				20525	21100	21575	Turn-on time (ms)	MFR (dB)	
15	QPSK	1	0	21.04	21.11	21.05			
15	QPSK	1	37	20.96	21.07	21.02	22	0	
15	QPSK	1	74	21.05	21.00	21.03			
15	QPSK	36	0	21.05	21.08	20.98			
15	QPSK	36	20	20.90	20.93	20.97	22	0	
15	QPSK	36	36	20.95	20.98	20.96			
15	QPSK	75	0	21.00	20.93	20.95			
15	HQAM	1	0	20.97	21.01	20.96			
15	HQAM	1	37	20.98	20.99	20.97	22	0	
15	HQAM	1	74	20.98	21.00	20.99			
15	HQAM	36	0	20.95	20.94	20.96			
15	HQAM	36	20	20.89	20.93	20.90	22	0	
15	HQAM	36	36	20.99	20.98	20.97			
15	HQAM	75	0	20.98	21.01	20.97			
15	HQAM	1	0	20.92	20.94	20.92			
15	HQAM	1	37	20.93	20.92	20.88	22	0	
15	HQAM	1	74	20.99	21.00	20.99			
15	HQAM	36	0	19.98	19.93	19.92			
15	HQAM	36	20	20.02	19.95	19.97	21	1	
15	HQAM	36	36	19.99	19.98	19.96			
15	HQAM	75	0	19.93	19.94	19.93			
Channel									
Frequency (MHz)				20505	21100	21405	Turn-on time (ms)	MFR (dB)	
10	QPSK	1	0	21.08	21.12	21.10			
10	QPSK	1	24	20.94	20.97	20.95	22	0	
10	QPSK	1	49	20.98	21.02	21.01			
10	QPSK	25	0	21.03	20.97	21.00			
10	QPSK	25	12	20.96	20.95	20.99	22	0	
10	QPSK	25	37	20.97	20.98	20.99			
10	HQAM	1	0	21.01	20.94	20.98			
10	HQAM	1	24	20.97	20.96	20.97	22	0	

Band 7_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Pwr/Freq (dBm)	Power Pwr/Freq (dBm)	Power Pwr/Freq (dBm)	Power Pwr/Freq (dBm)	Turn-on time (ms)	MPR (dB)	
Channel										
Frequency (MHz)				20850	21100	21350				
20	QPSK	1	0	15.18	15.21	15.14				
20	QPSK	1	49	15.05	15.08	15.10		16.5	0	
20	QPSK	1	98	15.12	15.19	15.11				
20	QPSK	50	0	15.11	15.14	15.10				
20	QPSK	50	24	15.08	15.10	15.08		16.5	0	
20	QPSK	50	54	15.09	15.09	15.09				
20	QPSK	100	0	15.02	15.09	15.02				
20	16QAM	1	0	15.06	15.09	15.03				
20	16QAM	1	49	15.03	15.02	15.10		16.5	0	
20	16QAM	50	0	15.05	15.06	15.07				
20	16QAM	50	24	15.06	15.11	15.02				
20	16QAM	50	24	15.08	15.08	15.04		16.5	0	
20	16QAM	50	54	15.07	15.07	15.04				
20	16QAM	100	0	15.02	15.10	15.02				
Channel				20825	21100	21375	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				20817 <th>2535<th>2562.5<td></td><td></td><td></td><td></td></th></th>	2535 <th>2562.5<td></td><td></td><td></td><td></td></th>	2562.5 <td></td> <td></td> <td></td> <td></td>				
15	QPSK	1	0	15.17	15.20	15.11				
15	QPSK	1	31	15.05	15.07	15.11		16.5	0	
15	QPSK	1	74	15.11	15.11	15.11				
15	QPSK	36	0	15.08	15.07	15.06				
15	QPSK	36	20	15.02	15.04	15.04		16.5	0	
15	QPSK	36	36	15.14	14.98	15.09				
15	QPSK	75	0	15.00	15.00	14.99				
15	16QAM	1	0	15.07	15.08	15.03				
15	16QAM	1	31	15.06	15.03	15.03		16.5	0	
15	16QAM	1	74	14.96	15.01	15.01				
15	16QAM	36	0	15.09	15.10	15.09				
15	16QAM	36	20	15.06	15.03	14.99		16.5	0	
15	16QAM	36	36	15.01	15.06	14.97				
15	16QAM	75	0	15.09	15.03	15.02				
15	64QAM	1	0	14.99	14.95	14.94				
15	64QAM	1	31	15.06	15.04	15.02		16.5	0	
15	64QAM	1	74	15.05	14.98	15.00				
15	64QAM	36	0	14.98	14.96	14.99				
15	64QAM	36	20	15.06	15.09	15.09		16.5	0	
15	64QAM	36	36	15.04	15.09	14.99				
15	64QAM	75	0	14.96	14.98	14.99				
Channel										
Frequency (MHz)				20805	21100	21400	Turn-on time (ms)	MPR (dB)		
10	QPSK	1	0	15.18	15.17	15.15				
10	QPSK	1	24	15.06	15.07	15.08		16.5	0	
10	QPSK	1	49	15.17	15.18	15.10				
10	QPSK	25	0	15.07	15.06	15.13				
10	QPSK	25	12	15.07	15.02	15.09		16.5	0	
10	QPSK	25	24	14.99	15.01	15.05				
10	QPSK	50	0	15.07	15.07	15.00				
10	16QAM	1	0	14.89	15.00	14.99				
10	16QAM	1	24	15.04	15.01	15.03		16.5	0	
10	16QAM	1	49	15.03	15.03	15.00				
10	16QAM	25	0	15.03	15.04	15.09				
10	16QAM	25	12	15.06	14.89	15.02		16.5	0	
10	16QAM	25	24	15.02	15.01	15.05				
10	16QAM	50	0	15.07	15.09	15.02				
10	64QAM	1	0	14.88	15.01	14.91				
10	64QAM	1	24	15.06	15.12	15.05		16.5	0	
10	64QAM	1	49	15.00	14.86	15.00				
10	64QAM	25	0	14.97	15.02	14.94				
10	64QAM	25	12	15.04	15.10	15.03		16.5	0	
10	64QAM	25	24	15.00	15.00	14.98				
10	64QAM	50	0	15.00	15.00	15.04				
Channel										
Frequency (MHz)				20775 <th>21100</th> <th>21425<td>Turn-on time (ms)</td><td>MPR (dB)</td><td></td><td></td></th>	21100	21425 <td>Turn-on time (ms)</td> <td>MPR (dB)</td> <td></td> <td></td>	Turn-on time (ms)	MPR (dB)		
5	QPSK	1	0	15.15	15.12	15.14				
5	QPSK	1	12	15.05	15.06	15.07		16.5	0	
5	QPSK	1	24	15.16	15.16	15.18				
5	QPSK	12	0	15.10	15.04	15.10				
5	QPSK	12	12	15.08	15.07	15.07		16.5	0	
5	QPSK	12	13	15.07	15.03	15.02				
5	QPSK	25	0	15.01	15.03	15.02				
5	16QAM	1	0	15.05	15.00	15.00		16.5	0	
5	16QAM	1	24	15.01	14.97	14.96				
5	16QAM	12	0	15.07	15.09	15.02				
5	16QAM	12	7	15.00	14.98	15.00		16.5	0	
5	16QAM	12	13	15.01	14.98	15.00				
5	64QAM	1	0	15.03	15.08	15.02				
5	64QAM	1	24	14.84	14.94	14.97				
5	64QAM	12	0	15.04	15.04	15.05		16.5	0	
5	64QAM	12	7	15.09	15.03	15.10				
5	64QAM	12	13	14.87	14.86	14.86		16.5	0	
5	64QAM	25	0	15.00	15.04	14.96				

Band 12_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Power	Power Level Ch / Power	Power Level Ch / Power	Turn-up time (dbs)	MPR (dB)		
Channel				23004	23005	23130				
Frequency (MHz)				7070	7075	7115				
10	QPSK	1	0	24.28	24.30	24.22				
5	QPSK	1	25	24.31	24.12	24.12	25	0		
10	QPSK	25	0	24.32	24.30	24.22				
10	QPSK	25	12	23.37	23.41	23.46				
10	QPSK	25	12	23.37	23.16	23.24	24	1		
10	QPSK	25	0	23.37	23.32	23.30				
10	QPSK	50	0	23.25	23.33	23.32				
10	16QAM	1	0	23.31	23.15	23.41				
10	16QAM	1	25	23.66	23.80	23.34				
10	16QAM	25	0	23.68	23.22	23.25				
10	16QAM	25	0	22.14	22.25	22.13				
10	16QAM	25	12	22.32	22.22	22.32				
10	16QAM	25	25	22.38	22.22	22.31	23	2		
10	16QAM	25	0	22.33	22.24	22.33				
10	64QAM	1	0	22.34	22.20	22.33				
10	64QAM	1	25	22.29	22.19	22.36	23	2		
10	64QAM	25	0	22.68	22.22	22.25				
10	64QAM	25	0	21.25	21.21	21.26				
10	64QAM	25	12	21.30	21.34	21.34	22	3		
10	64QAM	25	25	21.37	21.24	21.22				
10	64QAM	50	0	21.33	21.31	21.28				
Channel				23035	23036	23105	Turn-up time (dbs)	MPR (dB)		
Frequency (MHz)				7015	7075	713.5				
5	QPSK	1	0	24.17	24.13	24.21				
5	QPSK	1	10	24.07	24.08	24.08	25	0		
5	QPSK	1	24	24.14	24.10	23.98				
5	QPSK	12	0	23.30	23.32	23.38				
5	QPSK	12	7	23.16	23.11	23.08	24	1		
5	QPSK	12	0	23.25	23.13	23.25				
5	QPSK	25	0	23.14	23.22	23.24				
5	16QAM	1	0	23.30	23.08	23.33				
5	16QAM	1	12	23.64	23.73	23.30	24	1		
5	16QAM	1	25	23.59	23.19	23.47				
5	16QAM	12	0	22.10	22.19	22.05				
5	16QAM	12	7	22.21	22.18	22.21	23	2		
5	16QAM	12	15	22.27	22.22	22.14				
5	16QAM	25	0	22.27	22.13	22.18				
5	64QAM	1	0	22.11	22.04	22.27				
5	64QAM	1	12	22.32	22.15	22.45	23	2		
5	64QAM	1	25	22.44	22.20	22.66				
5	64QAM	12	0	21.11	21.18	21.11				
5	64QAM	12	7	21.17	21.18	21.25	22	3		
5	64QAM	12	13	21.31	21.25	21.25				
5	64QAM	12	17	21.19	21.21	21.26				
Channel				23025	23036	23105	Turn-up time (dbs)	MPR (dB)		
Frequency (MHz)				7005	7075	714.5				
3	QPSK	1	0	24.20	24.18	24.18				
3	QPSK	1	0	24.13	24.09	23.99	25	0		
3	QPSK	1	14	24.10	24.08	24.01				
3	QPSK	8	0	23.22	23.29	23.38				
3	QPSK	8	4	23.18	23.09	23.13	24	1		
3	QPSK	8	4	23.16	23.22	23.21				
3	QPSK	15	0	23.17	23.24	23.16				
3	16QAM	1	0	23.24	23.03	23.28				
3	16QAM	1	0	23.54	23.17	23.21	24	1		
3	16QAM	1	14	23.63	23.19	23.48				
3	16QAM	8	0	22.08	22.12	22.09				
3	16QAM	8	4	22.16	22.09	22.25	23	1		
3	16QAM	8	4	22.28	22.22	22.31				
3	16QAM	15	0	22.29	22.16	22.25				
3	64QAM	1	0	22.20	22.17	22.23				
3	64QAM	1	0	22.31	22.17	22.54	23	2		
3	64QAM	1	4	22.65	22.14	22.44				
3	64QAM	8	0	21.09	21.17	21.13				
3	64QAM	8	4	21.27	21.20	21.33	22	3		
3	64QAM	8	4	21.31	21.21	21.30				
3	64QAM	15	0	21.28	21.24	21.12				
Channel				23021	23036	23173	Turn-up time (dbs)	MPR (dB)		
Frequency (MHz)				699	7075	715.3				
1.4	QPSK	1	0	24.28	24.23	24.26				
1.4	QPSK	1	0	24.25	24.21	24.21	25	0		
1.4	QPSK	1	5	24.21	24.27	24.23				
1.4	QPSK	3	0	24.25	24.20	24.29				
1.4	QPSK	3	0	24.26	24.20	24.29				
1.4	QPSK	3	0	24.26	24.20	24.23				
1.4	QPSK	6	0	23.12	23.22	23.16	24	1		
1.4	16QAM	1	0	23.07	23.06	23.13				
1.4	16QAM	1	0	23.17	23.14	23.14				
1.4	16QAM	1	5	23.13	23.13	23.07	24	1		
1.4	16QAM	3	0	23.16	23.26	23.24				
1.4	16QAM	3	1	23.26	23.25	23.23				
1.4	16QAM	6	0	22.19	22.18	22.12	23	2		
1.4	64QAM	1	0	22.29	22.16	22.24				
1.4	64QAM	1	0	22.34	22.23	22.27				
1.4	64QAM	1	5	22.14	22.08	22.11				
1.4	64QAM	3	0	22.21	22.27	22.26	23	2		
1.4	64QAM	3	1	22.31	22.17	22.23				
1.4	64QAM	6	0	22.25	22.22	22.22				
1.4	64QAM	6	0	21.19	21.04	21.09	22	3		

Band 12_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Flow Lch / Power Flow Ch	Power Flow Lch / Power Flow Ch	Power Flow Lch / Power Flow Ch	Turn-on time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				7004	707.5	7110				
10	QPSK	1	0	24.37	24.39	24.33				
10	QPSK	1	25	24.34	24.35	24.31			25	0
10	QPSK	5	0	24.35	24.36	24.30				
10	QPSK	25	12	23.48	23.49	23.43			24	1
10	QPSK	25	12	23.42	23.43	23.42				
10	QPSK	50	0	23.37	23.39	23.38			24	1
10	QPSK	50	0	23.33	23.35	23.38				
10	16QAM	1	0	23.73	23.45	23.18				
10	16QAM	1	25	23.82	23.46	23.69			24	
10	16QAM	5	0	23.77	23.45	23.67				
10	16QAM	25	12	22.39	22.28	22.26			23	2
10	16QAM	25	12	22.45	22.31	22.48				
10	16QAM	50	0	22.48	22.28	22.47			23	2
10	64QAM	1	0	22.60	22.33	22.31				
10	64QAM	1	25	22.67	22.44	22.39			23	2
10	64QAM	5	0	22.68	22.35	22.33				
10	64QAM	25	0	21.45	21.33	21.28				
10	64QAM	25	12	21.51	21.37	21.40			22	3
10	64QAM	25	25	21.41	21.34	21.36				
10	64QAM	50	0	21.38	21.30	21.42			22	3
Channel										
Frequency (MHz)				7050	707.5	713.5	Turn-on time (dBm)	MPR (dB)		
5	QPSK	1	0	24.25	24.26	24.21				
5	QPSK	1	12	24.27	24.28	24.21			25	0
5	QPSK	1	24	24.31	24.27	24.12				
5	QPSK	12	0	23.33	23.38	23.32				
5	QPSK	12	7	23.40	23.35	23.27			24	1
5	QPSK	12	14	23.27	23.33	23.30				
5	QPSK	25	0	23.28	23.25	23.33				
5	16QAM	1	0	23.68	23.38	23.04				
5	16QAM	1	12	23.69	23.34	23.65			24	1
5	16QAM	1	24	23.73	23.43	23.63				
5	16QAM	12	0	22.23	22.27	22.23				
5	16QAM	12	7	22.40	22.27	22.41			23	2
5	16QAM	12	14	22.34	22.22	22.25				
5	16QAM	25	0	22.47	22.28	22.30				
5	64QAM	1	0	22.55	22.22	22.24				
5	64QAM	1	12	22.61	22.29	22.34			23	2
5	64QAM	1	24	22.50	22.28	22.25				
5	64QAM	12	0	21.35	21.20	21.15				
5	64QAM	12	7	21.40	21.25	21.33			22	3
5	64QAM	12	13	21.38	21.22	21.34				
5	64QAM	25	0	21.25	21.29	21.36				
Channel										
Frequency (MHz)				700.5	707.5	714.5	Turn-on time (dBm)	MPR (dB)		
3	QPSK	1	0	24.26	24.33	24.19				
3	QPSK	1	12	24.33	24.31	24.19			25	0
3	QPSK	1	14	24.22	24.17	24.11				
3	QPSK	8	0	23.39	23.39	23.29				
3	QPSK	8	4	23.38	23.30	23.41			24	1
3	QPSK	8	12	23.27	23.33	23.36				
3	QPSK	15	0	23.20	23.30	23.33				
3	16QAM	1	0	23.70	23.39	23.08				
3	16QAM	1	12	23.67	23.32	23.68			24	1
3	16QAM	1	14	23.68	23.63	23.12				
3	16QAM	8	0	22.25	22.24	22.18				
3	16QAM	8	4	22.30	22.29	22.22			23	2
3	16QAM	8	12	22.32	22.22	22.36				
3	16QAM	15	0	22.36	22.32	22.27				
3	64QAM	1	0	22.57	22.28	22.25				
3	64QAM	1	12	22.61	22.32	22.33			23	2
3	64QAM	1	14	22.56	22.56	22.56				
3	64QAM	8	0	21.36	21.32	21.21				
3	64QAM	8	4	21.49	21.35	21.37			22	3
3	64QAM	8	12	21.22	21.21	21.30				
3	64QAM	15	0	21.36	21.28	21.33				
Channel										
Frequency (MHz)				699.7	707.5	715.3	Turn-on time (dBm)	MPR (dB)		
1.4	QPSK	1	0	24.29	24.31	24.20				
1.4	QPSK	1	12	24.17	24.30	24.27			25	0
1.4	QPSK	1	5	24.26	24.30	24.15				
1.4	QPSK	3	0	24.17	24.31	24.10				
1.4	QPSK	3	1	24.30	24.25	24.08				
1.4	QPSK	3	3	24.16	24.31	24.16				
1.4	QPSK	6	0	22.63	22.91	22.76			24	1
1.4	16QAM	1	0	22.80	22.74	22.84				
1.4	16QAM	1	1	22.78	22.82	22.82			24	1
1.4	16QAM	1	5	22.89	22.83	22.77				
1.4	16QAM	3	0	22.88	22.91	22.93				
1.4	16QAM	3	1	22.92	22.84	22.89				
1.4	16QAM	3	3	22.96	22.86	22.87				
1.4	16QAM	6	0	21.83	21.83	21.73			23	2
1.4	64QAM	1	0	21.91	21.83	22.00				
1.4	64QAM	1	1	21.94	21.83	21.92				
1.4	64QAM	1	5	21.88	21.73	21.73				
1.4	64QAM	3	0	21.83	22.01	21.86			23	2
1.4	64QAM	3	1	21.94	21.79	21.94				
1.4	64QAM	3	3	22.01	21.93	21.93				
1.4	64QAM	6	0	20.93	20.74	20.97			22	

Band 13_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel							23230					
Frequency (MHz)							782					
10	QPSK	1	0	24.17			25	0				
10	QPSK	1	25	24.13								
10	QPSK	1	49	23.88								
10	QPSK	25	0	23.11			24	1				
10	QPSK	25	12	22.897								
10	QPSK	25	25	23.10								
10	QPSK	50	0	22.98			24	1				
10	16QAM	1	0	23.12								
10	16QAM	1	25	22.91								
10	16QAM	1	49	23.32			23	2				
10	16QAM	25	0	22.10								
10	16QAM	25	12	21.98								
10	16QAM	25	25	22.11			23	2				
10	16QAM	50	0	22.05								
10	64QAM	1	0	22.61								
10	64QAM	1	25	22.13			22	3				
10	64QAM	1	49	22.04								
10	64QAM	25	0	21.00								
10	64QAM	25	12	20.98			22	3				
10	64QAM	25	25	21.12								
10	64QAM	50	0	21.06								
Channel										23205 23230 23255	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)										778.5 782 784.5		
5	QPSK	1	0	24.13	24.09	24.04				25	0	
5	QPSK	1	12	24.08	24.05	23.98						
5	QPSK	1	24	23.86	23.84	23.72						
5	QPSK	12	0	23.07	23.03	23.02	24	1				
5	QPSK	12	7	22.81	22.87	22.84						
5	QPSK	12	13	23.01	23.06	23.00						
5	QPSK	25	0	22.82	22.88	22.85	24	1				
5	16QAM	1	0	23.09	23.02	23.05						
5	16QAM	1	12	22.85	22.89	22.79						
5	16QAM	1	24	23.28	23.20	23.19	23	2				
5	16QAM	12	0	22.07	22.02	21.94						
5	16QAM	12	7	21.96	21.97	21.83						
5	16QAM	12	13	22.09	22.10	22.05	23	2				
5	16QAM	25	0	21.96	21.89	21.95						
5	64QAM	1	12	22.00	22.02	22.04						
5	64QAM	1	24	21.91	21.88	21.91	22	3				
5	64QAM	12	0	20.98	20.93	20.91						
5	64QAM	12	7	20.86	20.88	20.90						
5	64QAM	12	13	21.04	21.09	21.08	22	3				
5	64QAM	25	0	20.96	21.01	20.99						

Band 13_Ant 31									
BW (MHz)	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)							23230		
10	QPSK	1	0	24.16			25	0	
10	QPSK	1	25	24.11					
10	QPSK	1	49	23.94					
10	QPSK	25	0	23.17			24	1	
10	QPSK	25	12	22.99					
10	QPSK	25	25	23.16					
10	QPSK	50	0	23.08			24	1	
10	16QAM	1	0	23.58					
10	16QAM	1	25	23.26					
10	16QAM	1	49	23.32			24	1	
10	16QAM	25	0	22.04					
10	16QAM	25	12	22.98					
10	16QAM	25	25	22.17			23	2	
10	16QAM	50	0	22.10					
10	64QAM	1	0	22.28					
10	64QAM	1	25	22.52			23	2	
10	64QAM	1	49	22.14					
10	64QAM	25	0	20.97					
10	64QAM	25	12	21.11			22	3	
10	64QAM	25	25	21.09					
10	64QAM	50	0	21.00					
Channel							23205 23230 23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							778.5 782 784.5		
5	QPSK	1	0	24.07	24.14	24.11	25	0	
5	QPSK	1	12	24.08	24.02	24.01			
5	QPSK	1	24	23.81	23.78	23.84			
5	QPSK	12	0	23.15	23.11	23.14	24	1	
5	QPSK	12	7	22.85	22.89	22.85			
5	QPSK	12	13	23.05	23.15	23.13			
5	QPSK	25	0	23.04	22.95	23.04	24	1	
5	16QAM	1	0	23.30	23.56	23.51			
5	16QAM	1	12	23.18	23.19	23.19			
5	16QAM	1	24	23.25	23.22	23.28	23	2	
5	16QAM	12	0	21.96	22.01	21.93			
5	16QAM	12	7	22.00	22.05	21.93			
5	16QAM	12	13	22.14	22.10	22.02	23	2	
5	16QAM	25	0	21.98	21.84	22.04			
5	64QAM	1	0	22.17	22.15	22.25			
5	64QAM	1	12	22.47	22.50	22.47	23	2	
5	64QAM	1	24	22.09	21.98	22.12			
5	64QAM	12	0	20.82	20.85	20.80			
5	64QAM	12	7	21.02	21.06	21.08	22	3	
5	64QAM	12	13	21.06	21.02	21.01			
5	64QAM	25	0	20.89	20.99	20.92			

Band 17_Ant 13									
BW (MHz)	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)				23760	23790	23800			
				709	710	711			
10	QPSK	1	0	23.45	23.51	23.41	24.5	0	
10	QPSK	1	25	23.41	23.49	23.37			
10	QPSK	1	49	23.38	23.47	23.39			
10	QPSK	25	0	22.94	22.98	22.85	24	0.5	
10	QPSK	25	12	22.91	22.93	22.80			
10	QPSK	25	25	22.89	22.97	22.78			
10	QPSK	50	0	22.87	22.90	22.85	24	0.5	
10	16QAM	1	0	22.92	22.90	22.82			
10	16QAM	1	25	22.88	22.89	22.76			
10	16QAM	1	49	22.87	22.90	22.85	23	1.5	
10	16QAM	25	0	21.92	21.95	21.76			
10	16QAM	25	12	21.91	21.92	21.85			
10	16QAM	25	25	21.85	21.95	21.78	23	1.5	
10	16QAM	50	0	21.90	21.97	21.81			
10	64QAM	1	0	21.85	21.96	21.85			
10	64QAM	1	25	21.91	21.88	21.81	22	1.5	
10	64QAM	1	49	21.93	21.95	21.82			
10	64QAM	25	0	20.92	20.88	20.76			
10	64QAM	25	12	20.86	20.93	20.82	22	2.5	
10	64QAM	25	25	20.93	20.97	20.80			
10	64QAM	50	0	20.90	20.96	20.81			
Channel									
Frequency (MHz)				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
				706.5	710	715.5			
5	QPSK	1	0	23.43	23.44	23.43	24.5	0	
5	QPSK	1	12	23.48	23.39	23.40			
5	QPSK	1	24	23.38	23.37	23.46			
5	QPSK	12	0	22.91	22.89	22.92	24	0.5	
5	QPSK	12	7	22.87	22.90	22.90			
5	QPSK	12	13	22.91	22.88	22.88	24	0.5	
5	QPSK	12	19	22.87	22.82	22.87			
5	16QAM	1	0	22.85	22.86	22.86	24	0.5	
5	16QAM	1	12	22.83	22.87	22.83			
5	16QAM	1	24	22.92	22.90	22.91	23	1.5	
5	16QAM	12	0	21.89	21.87	21.91			
5	16QAM	12	7	21.92	21.83	21.89	23	1.5	
5	16QAM	12	13	21.94	21.88	21.87			
5	16QAM	12	19	21.91	21.89	21.96	23	1.5	
5	16QAM	12	25	21.94	21.95	21.89			
5	16QAM	12	31	21.83	21.82	21.80	22	2.5	
5	64QAM	1	24	21.85	21.94	21.87			
5	64QAM	12	0	20.84	20.83	20.68	22	2.5	
5	64QAM	12	7	20.86	20.92	20.87			
5	64QAM	12	13	20.92	20.94	20.83	22	2.5	
5	64QAM	25	0	20.94	20.90	20.94			

Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./ Freq	Power Mod./ Ch./ Freq	Power High Ch./ Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.95	24.95	25.95			
15	QPSK	1	37	23.95	23.17	22.66			
15	QPSK	1	74	23.80	23.79	23.59			
15	QPSK	36	0	22.91	22.92	22.93			
15	QPSK	36	20	22.80	22.86	22.84			
15	QPSK	36	59	22.89	22.86	22.85			
15	QPSK	75	0	22.94	22.99	22.76			
15	16QAM	1	0	23.15	23.11	23.29			
15	16QAM	1	37	23.05	22.27	21.85			
15	16QAM	1	74	23.24	23.24	22.87			
15	16QAM	36	0	21.90	21.82	21.94			
15	16QAM	36	20	21.97	21.94	21.83			
15	16QAM	36	59	22.05	21.91	21.89			
15	16QAM	75	0	21.96	21.84	21.82			
15	64QAM	1	0	22.14	22.04	22.13			
15	64QAM	1	37	22.06	22.27	21.85			
15	64QAM	1	74	22.08	21.76	21.69			
15	64QAM	36	0	20.89	20.74	20.88			
15	64QAM	36	20	21.07	20.82	20.80			
15	64QAM	36	59	21.09	20.97	20.95			
15	64QAM	75	0	21.06	20.81	20.85			
Channel									
Frequency (MHz)				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
				810	831.5	844			
10	QPSK	1	0	23.84	23.81	23.87			
10	QPSK	1	25	23.62	23.69	23.81			
10	QPSK	1	49	23.79	23.64	23.52			
10	QPSK	25	0	22.89	22.90	22.82			
10	QPSK	25	12	22.77	22.93	22.71			
10	QPSK	25	25	22.75	22.74	22.80			
10	QPSK	50	0	22.82	22.98	22.87			
10	16QAM	1	0	23.11	23.06	23.29			
10	16QAM	1	25	23.20	23.08	22.96			
10	16QAM	1	49	23.23	23.09	22.55			
10	16QAM	25	0	21.83	21.73	21.89			
10	16QAM	25	12	21.88	21.79	21.87			
10	16QAM	25	25	21.90	21.80	21.81			
10	16QAM	50	0	21.83	21.73	21.79			
10	64QAM	1	0	21.86	21.72	21.83			
10	64QAM	1	25	22.03	22.26	21.80			
10	64QAM	1	49	21.96	21.75	21.68			
10	64QAM	25	0	20.87	20.86	20.85			
10	64QAM	25	12	20.85	20.72	20.79			
10	64QAM	25	25	20.85	20.91	20.87			
10	64QAM	50	0	20.89	20.75	20.70			
Channel									
Frequency (MHz)				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
				810.5	831.5	846.5			
5	QPSK	1	0	23.76	23.90	23.74			
5	QPSK	1	12	23.73	23.69	23.77			
5	QPSK	1	24	23.77	23.68	23.57			
5	QPSK	12	0	22.84	22.92	22.83			
5	QPSK	12	7	22.78	22.70	22.70			
5	QPSK	12	13	22.83	22.76	22.81			
5	QPSK	25	0	22.92	22.88	22.93			
5	16QAM	1	0	23.00	23.08	23.15			
5	16QAM	1	12	23.27	23.12	22.51			
5	16QAM	1	24	23.18	23.12	22.56			
5	16QAM	12	0	21.86	21.67	21.63			
5	16QAM	12	7	21.89	21.79	21.79			
5	16QAM	12	13	21.87	21.89	21.76			
5	16QAM	25	0	21.81	21.52	21.80			
5	16QAM	25	12	21.82	21.59	21.87			
5	64QAM	1	12	21.84	22.25	21.79			
5	64QAM	1	24	21.86	21.64	21.59			
5	64QAM	12	0	20.82	20.76	20.76			
5	64QAM	12	7	20.92	20.74	20.72			
5	64QAM	12	13	21.05	20.94	20.90			
5	64QAM	25	0	20.89	20.73	20.75			
Channel									
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.80	23.86	23.80			
3	QPSK	1	8	23.75	23.78	23.78			
3	QPSK	1	14	23.73	23.67	23.56			
3	QPSK	8	0	22.79	22.85	22.88			
3	QPSK	8	4	22.79	22.79	22.72			
3	QPSK	8	7	22.81	22.81	22.72			
3	QPSK	15	0	22.82	22.86	22.87			
3	16QAM	1	0	23.10	22.99	23.24			
3	16QAM	1	8	23.22	23.08	22.60			
3	16QAM	1	14	23.22	23.17	22.66			
3	16QAM	8	0	21.79	21.74	21.82			
3	16QAM	8	4	21.96	21.77	21.79			
3	16QAM	8	7	21.99	21.88	21.75			
3	16QAM	15	0	21.95	21.80	21.71			
3	64QAM	1	0	22.08	22.02	22.04			
3	64QAM	1	8	21.96	22.23	21.81			
3	64QAM	1	14	21.90	21.74	21.67			
3	64QAM	8	0	20.73	20.94	20.89			
3	64QAM	8	4	20.93	20.88	20.79			
3	64QAM	8	7	20.97	20.81	20.81			
3	64QAM	15	0	21.03	20.76	20.71			
Channel									
Frequency (MHz)				26677	26865	27033	Tune-up limit (dBm)	MPR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.78	23.81	23.83			
1.4	QPSK	1	3	23.89	23.81	23.77			
1.4	QPSK	1	5	23.63	23.76	23.63			
1.4	QPSK	3	0	23.86	23.91	23.81			
1.4	QPSK	3	1	23.88	23.77	23.80			
1.4	QPSK	3	23.69	23.74	23.72				
1.4	QPSK	6	0	22.92	22.91	22.86			
1.4	16QAM	1	0	22.85	22.73	22.86			
1.4	16QAM	1	3	22.89	22.90	22.86			
1.4	16QAM	1	5	22.92	22.93	22.78			
1.4	16QAM	3	0	23.03	23.05	22.89			
1.4	16QAM	3	1	23.05	23.09	22.99			
1.4	16QAM	3	23.03	22.94	22.94				
1.4	16QAM	6	0	21.80	21.80	21.79			
1.4	64QAM	1	0	21.90	21.80	21.82			
1.4	64QAM	1	3	21.88	21.96	21.85			
1.4	64QAM	1	5	21.89	21.82	21.80			
1.4	64QAM	3	0	21.89	21.86	22.03			
1.4	64QAM	3	1	22.10	21.96	22.04			
1.4	64QAM	3	23.16	21.86	21.96				
1.4	64QAM	6	0	20.93	20.76	20.80			

Band 26_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Mod (dBm)	Power High (dBm)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.76	23.91	23.90			
15	QPSK	1	37	23.75	23.71	23.77	25	0	
15	QPSK	1	74	23.75	23.71	23.89			
15	QPSK	36	0	22.90	22.91	22.93			
15	QPSK	36	20	22.87	22.78	22.79	24	1	
15	QPSK	36	59	22.89	22.82	22.73			
15	QPSK	75	0	22.83	22.80	22.81			
15	16QAM	1	0	22.79	23.34	23.36			
15	16QAM	1	37	23.21	23.00	23.04	24	1	
15	16QAM	1	74	22.89	23.45	23.02			
15	16QAM	36	0	21.88	21.88	21.89			
15	16QAM	36	20	22.00	21.82	21.79	23	2	
15	16QAM	36	59	21.92	21.89	21.82			
15	16QAM	75	0	21.90	21.78	21.87			
15	64QAM	1	0	21.83	21.81	22.15			
15	64QAM	1	37	21.90	22.04	21.81	23	2	
15	64QAM	1	74	22.04	21.77	21.99			
15	64QAM	36	0	20.93	20.68	20.88			
15	64QAM	36	20	20.91	20.85	21.02	22	3	
15	64QAM	36	59	20.93	20.84	20.92			
15	64QAM	75	0	20.82	20.75	20.87			
Channel									
Frequency (MHz)				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
				813	831.5	844			
10	QPSK	1	0	23.81	23.79	23.79			
10	QPSK	1	25	23.70	23.65	23.62	25	0	
10	QPSK	1	49	23.71	23.63	23.76			
10	QPSK	25	0	22.74	22.76	22.69			
10	QPSK	25	12	22.74	22.66	22.73	24	1	
10	QPSK	25	25	22.87	22.80	22.71			
10	QPSK	50	0	22.71	22.86	22.65			
10	16QAM	1	0	23.11	23.30	23.31			
10	16QAM	1	25	23.19	22.97	22.99	24	1	
10	16QAM	1	49	22.83	22.73	22.87			
10	16QAM	25	0	21.73	21.77	21.74			
10	16QAM	25	12	21.88	21.67	21.78	23	2	
10	16QAM	25	25	21.74	21.81	21.77			
10	16QAM	50	0	21.88	21.74	21.85			
10	64QAM	1	0	21.80	21.71	22.02			
10	64QAM	1	25	21.84	21.96	21.71	23	2	
10	64QAM	1	49	22.01	21.75	21.88			
10	64QAM	25	0	20.85	20.57	20.85			
10	64QAM	25	12	20.85	20.77	20.90	22	3	
10	64QAM	25	25	20.79	20.69	20.99			
10	64QAM	50	0	20.66	20.72	20.83			
Channel									
Frequency (MHz)				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
				813.5	831.5	845.5			
3	QPSK	1	0	23.44	23.37	23.48			
3	QPSK	1	12	23.66	23.57	23.64	25	0	
3	QPSK	1	24	23.71	23.60	23.60			
3	QPSK	12	0	22.79	22.75	22.69			
3	QPSK	12	6	22.86	22.87	22.87	24	1	
3	QPSK	12	13	22.78	22.72	22.68			
3	QPSK	25	0	22.76	22.85	22.70			
3	16QAM	1	0	22.76	23.31	23.34			
3	16QAM	1	12	23.10	22.91	22.92	24	1	
3	16QAM	1	24	22.84	23.40	22.93			
3	16QAM	12	0	21.78	21.77	21.83			
3	16QAM	12	6	21.96	21.89	21.86	23	2	
3	16QAM	12	13	21.70	21.81	21.70			
3	16QAM	25	0	21.75	21.75	21.80			
3	64QAM	1	0	21.72	21.75	22.14			
3	64QAM	1	12	21.89	21.89	21.69	23	2	
3	64QAM	1	24	21.89	21.63	21.96			
3	64QAM	12	0	20.62	20.61	20.69			
3	64QAM	12	6	20.75	20.75	20.76	22	3	
3	64QAM	12	13	20.69	20.72	20.89			
3	64QAM	25	0	20.71	20.66	20.77			
Channel									
Frequency (MHz)				26705	26865	27033	Tune-up limit (dBm)	MPR (dB)	
				813.5	831.5	847.5			
3	QPSK	1	0	23.74	23.80	23.77			
3	QPSK	1	8	23.62	23.60	23.74	25	0	
3	QPSK	1	16	23.60	23.56	23.68			
3	QPSK	8	0	22.82	22.72	22.73			
3	QPSK	8	4	22.72	22.70	22.70			
3	QPSK	8	7	22.73	22.80	22.70			
3	16QAM	1	0	22.76	23.24	23.29			
3	16QAM	1	8	22.71	22.93	22.93	24	1	
3	16QAM	1	16	22.76	23.27	22.92			
3	16QAM	8	0	21.74	21.88	21.86			
3	16QAM	8	4	21.85	21.75	21.73	23	2	
3	16QAM	8	7	21.75	21.88	21.73			
3	64QAM	1	0	21.78	21.77	22.03			
3	64QAM	1	8	21.76	21.96	21.71	23	2	
3	64QAM	1	16	22.00	21.65	21.98			
3	64QAM	8	0	20.60	20.59	20.63			
3	64QAM	8	4	20.86	20.78	20.99	22	3	
3	64QAM	8	7	20.75	20.83	20.85			
3	64QAM	16	0	20.63	20.62	20.82			
Channel									
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.42	23.43	23.32			
1.4	QPSK	1	3	23.40	23.44	23.26	25	0	
1.4	QPSK	1	32	23.32	23.35	23.23			
1.4	QPSK	3	0	23.48	23.54	23.34			
1.4	QPSK	3	1	23.33	23.30	23.32			
1.4	QPSK	3	3	23.35	23.33	23.17	24	1	
1.4	16QAM	1	0	22.59	22.52	22.58			
1.4	16QAM	1	3	22.56	22.48	22.47			
1.4	16QAM	1	32	22.47	22.44	22.46			
1.4	16QAM	3	0	22.76	22.79	22.58	24	1	
1.4	16QAM	3	1	22.69	22.64	22.66			
1.4	16QAM	3	3	22.55	22.57	22.57			
1.4	16QAM	6	0	21.38	21.33	21.38	23	2	
1.4	64QAM	1	0	21.57	21.42	21.37			
1.4	64QAM	1	3	21.45	21.38	21.37			
1.4	64QAM	1	32	21.57	21.45	21.40	23	2	
1.4	64QAM	3	0	21.67	21.56	21.48			
1.4	64QAM	3	1	21.60	21.58	21.61			
1.4	64QAM	3	3	21.51	21.56	21.56			
1.4	64QAM	6	0	20.45	20.36	20.36	22	3	

Band 66_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132122	132172				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	16.52	16.61	16.33		17.5	0	
20	QPSK	1	49	16.50	16.51	16.51				
20	QPSK	1	99	16.47	16.48	16.35				
20	QPSK	50	0	16.51	16.55	16.44	17.5	0		
20	QPSK	50	24	16.47	16.48	16.35				
20	QPSK	50	50	16.48	16.50	16.42				
20	QPSK	100	0	16.45	16.50	16.36	17.5	0		
20	16QAM	1	0	16.49	16.51	16.39				
20	16QAM	1	49	16.43	16.51	16.38				
20	16QAM	1	99	16.41	16.50	16.39	17.5	0		
20	16QAM	50	0	16.45	16.48	16.35				
20	16QAM	50	24	16.46	16.45	16.37				
20	16QAM	50	50	16.49	16.50	16.40	17.5	0		
20	64QAM	1	0	16.42	16.50	16.37				
20	64QAM	1	49	16.43	16.52	16.40				
20	64QAM	1	99	16.41	16.54	16.34	17.5	0		
20	64QAM	50	0	16.46	16.50	16.40				
20	64QAM	50	24	16.44	16.47	16.43				
20	64QAM	50	50	16.41	16.53	16.35	17.5	0		
20	64QAM	100	0	16.44	16.54	16.40				
Channel				132047	132122	132597				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	16.53	16.58	16.45		17.5		
15	QPSK	1	37	16.44	16.48	16.41				
15	QPSK	1	74	16.51	16.54	16.49	17.5	0		
15	QPSK	36	0	16.51	16.47	16.54				
15	QPSK	36	20	16.38	16.47	16.42		17.5		
15	QPSK	36	39	16.47	16.45	16.45				
15	QPSK	75	0	16.41	16.42	16.44	17.5	0		
15	16QAM	1	0	16.49	16.41	16.47				
15	16QAM	1	37	16.45	16.48	16.48				
15	16QAM	1	74	16.45	16.47	16.44	17.5	0		
15	16QAM	36	0	16.45	16.41	16.39				
15	16QAM	36	20	16.39	16.40	16.41				
15	16QAM	36	39	16.46	16.44	16.43	17.5	0		
15	16QAM	75	0	16.47	16.41	16.40				
15	64QAM	1	0	16.41	16.48	16.48	17.5	0		
15	64QAM	1	37	16.43	16.50	16.49				
15	64QAM	1	74	16.46	16.46	16.52				
15	64QAM	36	0	16.40	16.48	16.49	17.5	0		
15	64QAM	36	20	16.37	16.41	16.43				
15	64QAM	36	39	16.43	16.40	16.43				
15	64QAM	75	0	16.50	16.49	16.49				
Channel				132022	132122	132522				
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	16.60	16.57	16.59		17.5		
10	QPSK	1	25	16.46	16.43	16.46				
10	QPSK	1	49	16.57	16.57	16.48	17.5	0		
10	QPSK	25	0	16.50	16.54	16.46				
10	QPSK	25	12	16.44	16.40	16.39		17.5		
10	QPSK	25	25	16.40	16.48	16.41				
10	QPSK	50	0	16.43	16.44	16.42	17.5	0		
10	16QAM	1	0	16.44	16.46	16.47				
10	16QAM	1	25	16.46	16.46	16.44				
10	16QAM	1	49	16.44	16.48	16.43	17.5	0		
10	16QAM	25	0	16.48	16.40	16.38				
10	16QAM	25	12	16.41	16.40	16.42				
10	16QAM	25	25	16.42	16.42	16.40	17.5	0		
10	16QAM	50	0	16.40	16.46	16.41				
10	16QAM	1	0	16.46	16.42	16.42				
10	64QAM	1	25	16.46	16.45	16.49	17.5	0		
10	64QAM	1	49	16.53	16.44	16.50				
10	64QAM	25	0	16.46	16.41	16.49				
10	64QAM	25	12	16.45	16.41	16.41	17.5	0		
10	64QAM	25	25	16.48	16.49	16.52				
10	64QAM	50	0	16.44	16.45	16.45				
Channel				131997	132122	132517				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	16.58	16.59	16.58	17.5	0		
5	QPSK	1	12	16.47	16.50	16.44				
5	QPSK	1	24	16.56	16.50	16.50				
5	QPSK	12	0	16.45	16.48	16.50	17.5	0		
5	QPSK	12	7	16.39	16.39	16.47				
5	QPSK	12	13	16.41	16.44	16.47		17.5		
5	QPSK	25	0	16.47	16.40	16.48				
5	16QAM	1	0	16.50	16.41	16.47	17.5	0		
5	16QAM	1	12	16.49	16.48	16.49				
5	16QAM	1	24	16.40	16.42	16.41				
5	16QAM	12	0	16.41	16.41	16.40	17.5	0		
5	16QAM	12	7	16.44	16.41	16.36				
5	16QAM	12	13	16.40	16.41	16.42				
5	16QAM	25	0	16.44	16.38	16.45	17.5	0		
5	64QAM	1	0	16.42	16.40	16.40				
5	64QAM	1	12	16.50	16.48	16.49				
5	64QAM	1	24	16.52	16.47	16.44	17.5	0		
5	64QAM	12	0	16.45	16.44	16.41				
5	64QAM	12	7	16.41	16.39	16.43				
5	64QAM	12	13	16.45	16.51	16.52	17.5	0		
5	64QAM	25	0	16.47	16.44	16.49				
Channel				131997	132122	132607				
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	16.53	16.60	16.59	17.5	0		
3	QPSK	1	8	16.42	16.44	16.42				
3	QPSK	1	14	16.56	16.53	16.50				
3	QPSK	8	0	16.51	16.52	16.48	17.5	0		
3	QPSK	8	4	16.40	16.40	16.43				
3	QPSK	8	7	16.41	16.40	16.42		17.5		
3	QPSK	15	0	16.41	16.42	16.49				
3	16QAM	1	0	16.45	16.48	16.47	17.5	0		
3	16QAM	1	8	16.42	16.44	16.46				
3	16QAM	1	14	16.44	16.47	16.47				
3	16QAM	8	0	16.38	16.46	16.47	17.5	0		
3	16QAM	8	4	16.42	16.39	16.36				
3	16QAM	8	7	16.40	16.40	16.44				
3	16QAM	15	0	16.40	16.45	16.42	17.5	0		
3	64QAM	1	0	16.42	16.47	16.48				
3	64QAM	1	8	16.50	16.50	16.46				
3	64QAM	1	14	16.48	16.49	16.51	17.5	0		
3	64QAM	8	0	16.48	16.40	16.45				
3	64QAM	8	4	16.39	16.41	16.40				
3	64QAM	8	7	16.44	16.51	16.52	17.5	0		
3	64QAM	15	0	16.48	16.47	16.49				
Channel				131979	132122	132665				
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	16.60	16.56	16.51	17.5	0		
1.4	QPSK	1	3	16.45	16.44	16.47				
1.4	QPSK	1	5	16.57	16.51	16.50				
1.4	QPSK	3	0	16.46	16.48	16.50	17.5	0		
1.4	QPSK	3	1	16.45	16.47	16.41				
1.4	QPSK	3	3	16.45	16.41	16.42				
1.4	QPSK	6	0	16.44	16.48	16.47	17.5	0		
1.4	16QAM	1	0	16.45	16.42	16.41				
1.4	16QAM	1	3	16.45	16.40	16.46	17.5	0		
1.4	16QAM	3	0	16.41	16.39	16.31				
1.4	16QAM	3	1	16.37	16.35	16.42				
1.4	16QAM	6	0	16.45	16.43	16.42	17.5	0		
1.4	16QAM	6	0	16.42	16.39	16.38				
1.4	64QAM	1	0	16.49	16.43	16.47				
1.4	64QAM	1	3	16.47	16.44	16.44	17.5	0		
1.4	64QAM	3	0	16.51	16.50	16.48				
1.4	64QAM	3	1	16.43	16.38	16.42				
1.4	64QAM	6	0	16.48	16.46	16.45	17.5	0		
1.4	64QAM	6	0	16.48	16.45	16.46				

Band 38_Ant 13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel												
Channel				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	14.51	14.51	14.53	15.5	0				
20	QPSK	1	49	14.45	14.51	14.53						
20	QPSK	1	99	14.47	14.50	14.48						
20	QPSK	50	0	14.47	14.56	14.46						
20	QPSK	50	24	14.42	14.52	14.41						
20	QPSK	50	50	14.39	14.47	14.43	15.5	0				
20	QPSK	100	0	14.38	14.53	14.38						
20	16QAM	1	0	14.46	14.51	14.37						
20	16QAM	1	49	14.37	14.49	14.45						
20	16QAM	1	99	14.43	14.50	14.42						
20	16QAM	50	0	14.41	14.55	14.39	15.5	0				
20	16QAM	50	24	14.30	14.46	14.36						
20	16QAM	50	50	14.41	14.49	14.36						
20	16QAM	100	0	14.43	14.51	14.41						
20	64QAM	1	0	14.44	14.50	14.45						
20	64QAM	1	49	14.42	14.50	14.42	15.5	0				
20	64QAM	1	99	14.39	14.51	14.39						
20	64QAM	50	0	14.41	14.53	14.42						
20	64QAM	50	24	14.41	14.46	14.36						
20	64QAM	50	50	14.41	14.51	14.44						
20	64QAM	100	0	14.37	14.46	14.44	15.5	0				
Channel												
Channel				37875	38000	38175						
Frequency (MHz)				2587.5	2595	2610						
15	QPSK	1	0	14.51	14.55	14.54	15.5	0				
15	QPSK	1	37	14.47	14.46	14.46						
15	QPSK	1	74	14.48	14.48	14.47						
15	QPSK	36	0	14.54	14.53	14.50						
15	QPSK	36	20	14.45	14.49	14.42						
15	QPSK	36	39	14.38	14.42	14.38	15.5	0				
15	QPSK	75	0	14.45	14.44	14.48						
15	16QAM	1	0	14.43	14.45	14.48						
15	16QAM	1	37	14.44	14.39	14.39						
15	16QAM	1	74	14.45	14.49	14.42						
15	16QAM	36	0	14.45	14.53	14.53	15.5	0				
15	16QAM	36	20	14.39	14.36	14.41						
15	16QAM	36	39	14.39	14.43	14.48						
15	16QAM	75	0	14.42	14.48	14.47						
15	64QAM	1	0	14.49	14.46	14.46						
15	64QAM	1	37	14.47	14.44	14.44	15.5	0				
15	64QAM	1	74	14.46	14.43	14.48						
15	64QAM	36	0	14.44	14.51	14.49						
15	64QAM	36	20	14.41	14.43	14.45						
15	64QAM	36	39	14.44	14.47	14.48						
15	64QAM	75	0	14.39	14.46	14.45	15.5	0				
Channel												
Channel				37900	38000	38200						
Frequency (MHz)				2577.5	2595	2615						
10	QPSK	1	0	14.48	14.48	14.52	15.5	0				
10	QPSK	1	25	14.42	14.50	14.43						
10	QPSK	1	49	14.47	14.42	14.40						
10	QPSK	25	0	14.48	14.50	14.46						
10	QPSK	25	12	14.44	14.44	14.50						
10	QPSK	25	25	14.37	14.46	14.42	15.5	0				
10	QPSK	50	0	14.50	14.47	14.52						
10	16QAM	1	0	14.50	14.44	14.46						
10	16QAM	1	25	14.43	14.45	14.41						
10	16QAM	1	49	14.42	14.45	14.49						
10	16QAM	25	0	14.53	14.45	14.46	15.5	0				
10	16QAM	25	12	14.41	14.44	14.41						
10	16QAM	25	25	14.42	14.47	14.45						
10	16QAM	50	0	14.42	14.42	14.46						
10	64QAM	1	0	14.41	14.46	14.47						
10	64QAM	1	25	14.47	14.45	14.47	15.5	0				
10	64QAM	1	49	14.44	14.45	14.49						
10	64QAM	25	0	14.51	14.49	14.46						
10	64QAM	25	12	14.41	14.40	14.44						
10	64QAM	25	25	14.50	14.50	14.47						
10	64QAM	50	0	14.38	14.45	14.43	15.5	0				
Channel												
Channel				3777.5	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	14.55	14.49	14.52	15.5	0				
5	QPSK	1	12	14.47	14.42	14.45						
5	QPSK	1	24	14.42	14.47	14.41						
5	QPSK	12	0	14.50	14.50	14.50						
5	QPSK	12	7	14.43	14.47	14.43						
5	QPSK	12	13	14.42	14.38	14.46	15.5	0				
5	QPSK	25	0	14.45	14.47	14.48						
5	16QAM	1	0	14.42	14.50	14.41						
5	16QAM	1	12	14.41	14.47	14.47						
5	16QAM	1	24	14.43	14.40	14.45						
5	16QAM	12	0	14.51	14.49	14.45	15.5	0				
5	16QAM	12	7	14.40	14.39	14.44						
5	16QAM	12	13	14.43	14.44	14.42						
5	16QAM	25	0	14.49	14.49	14.47						
5	64QAM	1	0	14.48	14.48	14.42						
5	64QAM	1	12	14.46	14.46	14.47	15.5	0				
5	64QAM	1	24	14.46	14.42	14.50						
5	64QAM	12	0	14.51	14.44	14.52						
5	64QAM	12	7	14.39	14.37	14.43						
5	64QAM	12	13	14.43	14.46	14.44						
5	64QAM	25	0	14.45	14.44	14.41	15.5	0				

Band 38_Ant 31									
BW [MHz]	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)				2580	2595	2610			
20	QPSK	1	0	23.49	23.65	23.57	24.5	0	
20	QPSK	1	49	23.43	23.46	23.57			
20	QPSK	1	99	23.44	23.56	23.52			
20	QPSK	50	0	22.70	22.79	22.73	23.5	1	
20	QPSK	50	24	22.66	22.62	22.62			
20	QPSK	50	50	22.54	22.62	22.58			
20	QPSK	100	0	22.71	22.77	22.52	23.5	1	
20	16QAM	1	0	22.71	22.42	22.43			
20	16QAM	1	49	22.85	22.81	22.70			
20	16QAM	1	99	22.54	23.03	22.84	22.5	2	
20	16QAM	50	0	21.57	21.48	21.43			
20	16QAM	50	24	21.80	21.61	21.70			
20	16QAM	50	50	21.72	21.74	21.73	22.5	2	
20	64QAM	1	0	21.82	22.01	21.13			
20	64QAM	1	49	21.52	21.87	21.65			
20	64QAM	1	99	21.60	21.72	21.52	21.5	3	
20	64QAM	50	0	20.57	20.52	20.55			
20	64QAM	50	24	20.67	20.58	20.69			
20	64QAM	50	50	20.78	20.84	20.71	21.5	3	
20	64QAM	100	0	20.76	20.60	20.49			
Channel									
Frequency (MHz)				37625 <th>38000<th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38175 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25775 <th>25950<th>26105<th></th><th></th><th></th></th></th>	25950 <th>26105<th></th><th></th><th></th></th>	26105 <th></th> <th></th> <th></th>			
15	QPSK	1	0	23.37	23.50	23.56	24.5	0	
15	QPSK	1	37	23.30	23.31	23.56			
15	QPSK	1	74	23.30	23.47	23.43			
15	QPSK	36	0	22.54	22.66	22.63	23.5	1	
15	QPSK	36	20	22.52	22.51	22.61			
15	QPSK	36	39	22.49	22.54	22.52			
15	QPSK	75	0	22.60	22.63	22.46	23.5	1	
15	16QAM	1	0	22.57	22.30	22.31			
15	16QAM	1	37	22.83	22.71	22.83			
15	16QAM	1	74	22.47	22.87	22.83	22.5	2	
15	16QAM	36	0	21.47	21.45	21.35			
15	16QAM	36	20	21.74	21.54	21.65			
15	16QAM	36	39	21.63	21.73	21.65	21.5	3	
15	16QAM	75	0	21.58	21.58	21.61			
15	64QAM	1	0	21.67	21.53	21.69			
15	64QAM	1	37	21.75	21.63	21.59	22.5	2	
15	64QAM	1	74	21.59	21.67	21.42			
15	64QAM	36	0	20.48	20.47	20.42			
15	64QAM	36	20	20.59	20.53	20.58	21.5	3	
15	64QAM	36	39	20.71	20.69	20.66			
15	64QAM	75	0	20.65	20.50	20.40			
Channel									
Frequency (MHz)				37625 <th>38000<th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38175 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25775 <th>25950<th>26105<th></th><th></th><th></th></th></th>	25950 <th>26105<th></th><th></th><th></th></th>	26105 <th></th> <th></th> <th></th>			
10	QPSK	1	0	23.46	23.63	23.53	24.5	0	
10	QPSK	1	25	23.28	23.34	23.52			
10	QPSK	1	49	23.28	23.43	23.54			
10	QPSK	25	0	22.66	22.73	22.64	23.5	1	
10	QPSK	12	23	22.62	22.65	22.58			
10	QPSK	25	25	22.53	22.47	22.50			
10	QPSK	50	0	22.70	22.64	22.42	23.5	1	
10	16QAM	1	0	22.68	22.33	22.38			
10	16QAM	1	25	22.72	22.72	22.60			
10	16QAM	1	49	22.49	22.49	22.74	22.5	2	
10	16QAM	25	0	21.42	21.32	21.28			
10	16QAM	25	12	21.71	21.50	21.64			
10	16QAM	25	25	21.64	21.68	21.21	21.5	3	
10	16QAM	50	0	21.64	21.51	21.52			
10	64QAM	1	0	21.66	21.66	21.08			
10	64QAM	1	25	21.37	21.78	21.51	22.5	2	
10	64QAM	1	49	21.59	21.66	21.44			
10	64QAM	25	0	20.48	20.50	20.42			
10	64QAM	25	12	20.52	20.51	20.62	21.5	3	
10	64QAM	25	25	20.60	20.50	20.60			
10	64QAM	50	0	20.71	20.52	20.38			
Channel									
Frequency (MHz)				37775 <th>38000<th>38225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38225 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25725 <th>25955<th>2617.5<th></th><th></th><th></th></th></th>	25955 <th>2617.5<th></th><th></th><th></th></th>	2617.5 <th></th> <th></th> <th></th>			
5	QPSK	1	0	23.33	23.55	23.48	24.5	0	
5	QPSK	1	12	23.30	23.37	23.41			
5	QPSK	1	24	23.31	23.52	23.42			
5	QPSK	12	0	22.62	22.63	22.57	23.5	1	
5	QPSK	12	7	22.63	22.46	22.58			
5	QPSK	12	13	22.60	22.49	22.48			
5	QPSK	25	0	22.67	22.61	22.42	23.5	1	
5	16QAM	1	0	22.57	22.28	22.30			
5	16QAM	1	12	22.49	22.65	22.57			
5	16QAM	1	24	22.45	22.87	22.74	22.5	2	
5	16QAM	12	0	21.56	21.41	21.35			
5	16QAM	12	7	21.77	21.55	21.51			
5	16QAM	12	13	21.65	21.63	21.59	21.5	3	
5	16QAM	25	0	21.07	21.07	21.48			
5	64QAM	1	0	21.07	21.97	21.03			
5	64QAM	1	12	21.42	21.83	21.33	22.5	2	
5	64QAM	1	24	21.57	21.65	21.51			
5	64QAM	12	0	20.52	20.46	20.51			
5	64QAM	12	7	20.58	20.58	20.53	21.5	3	
5	64QAM	12	13	20.77	20.82	20.70			
5	64QAM	25	0	20.75	20.58	20.34			



Band 41_Ant 13											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)				39750	40185	40620	41055	41490			
20	QPSK	1	0	15.57	15.56	15.60	15.56	15.58	16.5	0	
20	QPSK	1	49	15.55	15.48	15.56	15.48	15.50			
20	QPSK	1	99	15.52	15.55	15.60	15.47	15.53			
20	QPSK	50	0	15.55	15.47	15.63	15.54	15.56			
20	QPSK	50	24	15.53	15.38	15.62	15.51	15.50			
20	QPSK	50	50	15.48	15.42	15.56	15.48	15.47	16.5	0	
20	QPSK	100	0	15.52	15.40	15.56	15.47	15.48			
20	16QAM	1	0	15.48	15.40	15.62	15.52	15.47			
20	16QAM	1	49	15.47	15.42	15.58	15.44	15.49			
20	16QAM	1	99	15.48	15.39	15.62	15.50	15.55			
20	16QAM	50	0	15.46	15.45	15.54	15.48	15.50	16.5	0	
20	16QAM	50	24	15.52	15.43	15.53	15.49	15.55			
20	16QAM	50	50	15.45	15.43	15.59	15.47	15.48			
20	16QAM	100	0	15.48	15.37	15.55	15.52	15.54			
20	64QAM	1	0	15.53	15.45	15.57	15.51	15.54			
20	64QAM	1	49	15.50	15.40	15.53	15.52	15.52	16.5	0	
20	64QAM	1	99	15.51	15.45	15.55	15.45	15.50			
20	64QAM	50	0	15.53	15.45	15.62	15.45	15.52			
20	64QAM	50	24	15.54	15.37	15.56	15.48	15.53			
20	64QAM	50	50	15.45	15.41	15.58	15.47	15.46			
20	64QAM	100	0	15.45	15.40	15.58	15.48	15.47	16.5		
Channel											
Frequency (MHz)				39675 <th>40173<th>40620<th>41093<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40173 <th>40620<th>41093<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41093<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41093 <th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41515 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>		Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	15.57	15.60	15.58	15.63	15.62	16.5	0	
15	QPSK	1	37	15.53	15.49	15.48	15.49	15.51			
15	QPSK	1	74	15.50	15.55	15.58	15.52	15.54			
15	QPSK	36	0	15.59	15.60	15.55	15.60	15.61			
15	QPSK	36	20	15.58	15.56	15.56	15.59	15.59			
15	QPSK	36	39	15.52	15.52	15.55	15.48	15.54	16.5	0	
15	QPSK	75	0	15.47	15.51	15.46	15.48	15.52			
15	16QAM	1	0	15.55	15.54	15.54	15.61	15.53			
15	16QAM	1	37	15.51	15.55	15.54	15.48	15.50			
15	16QAM	1	74	15.54	15.56	15.57	15.58	15.61			
15	16QAM	36	0	15.53	15.52	15.47	15.51	15.45	16.5	0	
15	16QAM	36	20	15.47	15.52	15.49	15.45	15.51			
15	16QAM	36	39	15.56	15.54	15.49	15.57	15.53			
15	16QAM	75	0	15.54	15.45	15.53	15.48	15.49			
15	64QAM	1	0	15.54	15.51	15.55	15.47	15.56			
15	64QAM	1	37	15.49	15.51	15.52	15.49	15.45	16.5	0	
15	64QAM	1	74	15.50	15.49	15.46	15.44	15.50			
15	64QAM	36	0	15.54	15.56	15.52	15.61	15.55			
15	64QAM	36	20	15.53	15.53	15.47	15.47	15.54			
15	64QAM	36	39	15.54	15.56	15.54	15.55	15.49			
15	64QAM	75	0	15.50	15.54	15.50	15.52	15.49	16.5		
Channel											
Frequency (MHz)				39700 <th>40180<th>40620<th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40180 <th>40620<th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41080 <th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41540 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>		Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	15.60	15.65	15.57	15.59	15.65	16.5	0	
10	QPSK	1	25	15.48	15.50	15.55	15.49	15.51			
10	QPSK	1	49	15.54	15.53	15.56	15.53	15.56			
10	QPSK	25	0	15.59	15.60	15.55	15.56	15.61			
10	QPSK	25	12	15.60	15.58	15.58	15.57	15.57			
10	QPSK	25	25	15.50	15.48	15.54	15.51	15.54	16.5	0	
10	QPSK	50	0	15.53	15.49	15.48	15.49	15.47			
10	16QAM	1	0	15.57	15.60	15.54	15.58	15.56			
10	16QAM	1	25	15.51	15.56	15.52	15.53	15.50			
10	16QAM	1	49	15.52	15.52	15.53	15.53	15.57			
10	16QAM	25	0	15.50	15.48	15.50	15.44	15.46	16.5	0	
10	16QAM	25	12	15.52	15.43	15.45	15.43	15.47			
10	16QAM	25	25	15.52	15.51	15.56	15.53	15.53			
10	16QAM	50	0	15.47	15.52	15.48	15.48	15.53			
10	64QAM	1	0	15.49	15.49	15.55	15.52	15.54			
10	64QAM	1	25	15.48	15.43	15.44	15.43	15.49	16.5	0	
10	64QAM	1	49	15.44	15.48	15.45	15.52	15.46			
10	64QAM	25	0	15.56	15.55	15.58	15.54	15.56			
10	64QAM	25	12	15.48	15.49	15.51	15.49	15.53			
10	64QAM	25	25	15.57	15.53	15.57	15.49	15.50			
10	64QAM	50	0	15.56	15.54	15.57	15.49	15.56	16.5		
Channel											
Frequency (MHz)				39675 <th>40148<th>40620<th>41093<th>41565<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40148 <th>40620<th>41093<th>41565<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41093<th>41565<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41093 <th>41565<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41565 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>		Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	15.62	15.62	15.59	15.58	15.64	16.5	0	
5	QPSK	1	12	15.48	15.54	15.46	15.54	15.46			
5	QPSK	1	24	15.57	15.57	15.54	15.55	15.50			
5	QPSK	12	0	15.53	15.58	15.61	15.53	15.61			
5	QPSK	12	7	15.60	15.61	15.54	15.55	15.54			
5	QPSK	12	13	15.46	15.51	15.53	15.48	15.47	16.5	0	
5	QPSK	25	0	15.55	15.47	15.46	15.50	15.49			
5	16QAM	1	0	15.61	15.53	15.57	15.58	15.52			
5	16QAM	1	12	15.51	15.51	15.57	15.57	15.48			
5	16QAM	1	24	15.54	15.56	15.57	15.53	15.60			
5	16QAM	12	0	15.45	15.49	15.52	15.45	15.53	16.5	0	
5	16QAM	12	7	15.52	15.47	15.52	15.50	15.51			
5	16QAM	12	13	15.57	15.51	15.57	15.55	15.51			
5	16QAM	25	0	15.50	15.54	15.49	15.45	15.46			
5	64QAM	1	0	15.56	15.50	15.50	15.47	15.50			
5	64QAM	1	12	15.47	15.45	15.45	15.50	15.50	16.5	0	
5	64QAM	1	24	15.44	15.47	15.44	15.51	15.44			
5	64QAM	12	0	15.53	15.53	15.52	15.52	15.55			
5	64QAM	12	7	15.48	15.54	15.54	15.49	15.47			
5	64QAM	12	13	15.54	15.57	15.52	15.55	15.53			
5	64QAM	25	0	15.57	15.53	15.55	15.57	15.52			

Band 41_Ant 31													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel													
Frequency (MHz)				39750	40165	40620	41055	41490					
20	QPSK	1	0	23.19	23.46	23.72	23.50	23.81		24.5	0		
20	QPSK	1	49	23.19	23.40	23.55	23.48	23.49					
20	QPSK	1	99	23.22	23.32	23.45	23.38	23.56					
20	QPSK	50	0	22.60	22.66	22.70	22.57	22.66					
20	QPSK	50	24	22.55	22.58	22.59	22.54	22.51					
20	QPSK	50	50	22.59	22.82	22.59	22.55	22.65		23.5	1		
20	QPSK	100	0	22.47	22.81	22.69	22.45	22.52					
20	16QAM	1	0	22.06	22.54	22.51	22.26	22.48					
20	16QAM	1	49	22.31	22.63	22.56	22.37	22.23					
20	16QAM	1	99	22.31	22.33	22.80	22.42	22.55					
20	16QAM	50	0	21.41	21.52	21.59	21.55	21.60		22.5	2		
20	16QAM	50	24	21.50	21.62	21.56	21.54	21.58					
20	16QAM	50	50	21.51	21.46	21.69	21.52	21.67					
20	16QAM	100	0	21.51	21.48	21.63	21.31	21.54					
20	64QAM	1	0	21.27	21.57	21.35	21.88	21.35					
20	64QAM	1	49	21.45	21.50	21.43	21.51	21.30		21.5	2		
20	64QAM	1	99	21.49	21.51	21.52	21.34	21.72					
20	64QAM	50	0	20.48	20.53	20.44	20.41	20.54					
20	64QAM	50	24	20.50	20.60	20.58	20.49	20.55					
20	64QAM	50	50	20.41	20.50	20.83	20.63	20.71					
20	64QAM	100	0	20.46	20.56	20.58	20.50	20.61					
Channel													
Frequency (MHz)				39675	40143	40600	41055	41510		Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.15	23.37	23.67	23.35	23.62		24.5	0		
15	QPSK	1	37	23.15	23.24	23.48	23.33	23.41					
15	QPSK	1	74	23.07	23.30	23.42	22.97	23.48					
15	QPSK	36	0	22.57	22.63	22.63	22.41	22.63					
15	QPSK	36	20	22.44	22.54	22.54	22.34	22.44					
15	QPSK	36	39	22.51	22.59	22.55	22.39	22.53		23.5	1		
15	QPSK	75	0	22.37	22.51	22.55	22.38	22.39					
15	16QAM	1	0	22.01	22.49	22.48	22.21	22.39					
15	16QAM	1	37	22.18	22.48	22.54	22.31	22.43					
15	16QAM	1	74	22.17	22.26	22.66	22.32	22.14					
15	16QAM	36	0	21.28	21.51	21.54	21.42	21.59		22.5	2		
15	16QAM	36	20	21.44	21.58	21.54	21.42	21.42					
15	16QAM	36	39	21.37	21.40	21.63	21.47	21.65					
15	16QAM	75	0	21.46	21.46	21.48	21.18	21.46					
15	64QAM	1	0	21.16	21.43	21.45	21.41	21.34					
15	64QAM	1	37	21.35	21.35	21.37	21.43	21.28		21.5	3		
15	64QAM	1	74	20.98	21.37	21.72	21.22	21.62					
15	64QAM	36	0	20.37	20.37	20.40	20.34	20.38					
15	64QAM	36	20	20.43	20.47	20.48	20.34	20.49					
15	64QAM	36	39	20.27	20.38	20.80	20.54	20.67					
15	64QAM	75	0	20.34	20.51	20.45	20.57						
Channel													
Frequency (MHz)				39700	40160	40620	41080	41540		Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.18	23.33	23.56	23.45	23.52		24.5	0		
10	QPSK	1	25	23.16	23.25	23.44	23.33	23.36					
10	QPSK	1	49	23.16	23.29	23.41	23.24	23.35					
10	QPSK	25	0	22.54	22.52	22.52	22.34	22.57					
10	QPSK	25	12	22.53	22.48	22.53	22.39	22.47					
10	QPSK	25	25	22.55	22.48	22.50	22.40	22.63		23.5	1		
10	QPSK	50	0	22.33	22.48	22.54	22.39	22.36					
10	16QAM	1	0	21.97	22.45	22.49	22.21	22.39					
10	16QAM	1	25	22.19	22.54	22.52	22.26	22.29					
10	16QAM	1	49	22.15	22.19	22.51	22.38	22.46					
10	16QAM	25	0	21.27	21.40	21.52	21.54	21.57		22.5	2		
10	16QAM	25	12	21.36	21.48	21.45	21.43	21.56					
10	16QAM	25	25	21.46	21.32	21.68	21.46	21.64					
10	16QAM	50	0	21.46	21.36	21.68	21.39	21.50					
10	64QAM	1	0	21.11	21.56	21.31	21.74	21.30					
10	64QAM	1	25	21.39	21.48	21.38	21.38	21.20		22.5	2		
10	64QAM	1	49	20.98	21.48	21.66	21.20	21.69					
10	64QAM	25	0	20.40	20.41	20.29	20.33	20.49					
10	64QAM	25	12	20.41	20.50	20.56	20.34	20.54					
10	64QAM	25	25	20.46	20.46	20.46	20.67						
10	64QAM	50	0	20.40	20.40	20.45	20.35	20.45		21.5	3		
Channel				39675	40148	40620	41083	41565				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2488.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	23.16	23.44	23.59	23.40	23.48				24.5	0
5	QPSK	1	12	23.16	23.37	23.51	23.43	23.46					
5	QPSK	1	24	23.20	23.21	23.46	23.39	23.46					
5	QPSK	12	0	22.50	22.64	22.65	22.56	22.60					
5	QPSK	12	7	22.50	22.44	22.54	22.48	22.56					
5	QPSK	12	13	22.48	22.61	22.52	22.49	22.59		23.5	1		
5	QPSK	25	0	22.40	22.51	22.62	22.43	22.45					
5	16QAM	1	0	21.99	22.42	22.43	22.25	22.38					
5	16QAM	1	12	22.29	22.29	22.43	22.43	22.19					
5	16QAM	1	24	22.23	22.31	22.74	22.35	22.42					
5	16QAM	12	0	21.26	21.41	21.48	21.53	21.57		22.5	2		
5	16QAM	12	7	21.34	21.46	21.43	21.40	21.41					
5	16QAM	12	13	21.40	21.42	21.63	21.41	21.54					
5	16QAM	25	0	21.46	21.34	21.34	21.44						
5	64QAM	1	0	21.23	21.56	21.29	21.75	21.32					
5	64QAM	1	12	21.37	21.39	21.37	21.36	21.19		21.5	3		
5	64QAM	1	24	20.96	21.37	21.69	21.27	21.67					
5	64QAM	12	0	20.36	20.51	20.32	20.34	20.52					
5	64QAM	12	7	20.37	20.47	20.47	20.48	20.44					
5	64QAM	12	13	20.27	20.47	20.77	20.49	20.66					
5	64QAM	25	0	20.33	20.41	20.20	20.49	20.46					



Reduced Power Mode for DSI9

GSM850_Ant 13				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				128	189	251		Limit				128	189	251		Limit			
Frequency (MHz)				824.2	836.4	848.8		(dBm)				824.2	836.4	848.8		(dBm)			
GSM 1 Tx slot				32.65	32.92	32.78		33.50				23.65	23.92	23.78		24.50			
GPRS/EDGE GSMK 1 Tx slot				32.63	32.90	32.74		33.50				23.63	23.90	23.74		24.50			
GPRS/EDGE GSMK 2 Tx slots				30.33	30.53	30.45		31.50				24.33	24.53	24.45		25.50			
GPRS/EDGE GSMK 3 Tx slots				28.36	28.89	28.01		29.50				24.10	24.63	23.75		25.24			
GPRS/EDGE GSMK 4 Tx slots				27.17	27.40	27.22		28.00				24.17	24.40	24.22		25.00			
EDGE BPSK 1 Tx slot				26.88	26.78	26.80		26.00				17.86	17.78	17.80		19.00			
EDGE BPSK 2 Tx slots				25.12	25.01	25.02		26.00				15.12	15.01	15.02		20.00			
EDGE BPSK 3 Tx slots				22.97	23.01	23.05		24.00				18.71	18.75	18.79		19.74			
EDGE BPSK 4 Tx slots				21.52	21.56	21.63		22.50				18.52	18.56	18.63		19.50			

GSM1900_Ant 13				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				512	861	810		Limit				512	861	810		Limit			
Frequency (MHz)				1850.2	1880	1909.8		(dBm)				1850.2	1880	1909.8		(dBm)			
GSM 1 Tx slot				26.99	26.78	27.07		27.50				17.99	17.78	18.07		18.50			
GPRS/EDGE GSMK 1 Tx slot				26.88	26.77	27.05		27.50				17.98	17.77	18.05		18.50			
GPRS/EDGE GSMK 2 Tx slots				23.93	23.86	23.97		25.50				17.93	17.96	17.97		19.00			
GPRS/EDGE GSMK 3 Tx slots				22.26	22.20	22.19		23.50				18.00	17.94	17.93		19.24			
GPRS/EDGE GSMK 4 Tx slots				20.82	20.97	20.95		22.00				17.92	17.97	17.85		19.00			
EDGE BPSK 1 Tx slot				26.12	26.39	26.01		27.00				17.12	17.39	17.01		18.00			
EDGE BPSK 2 Tx slots				24.30	24.24	24.36		25.00				18.30	18.24	18.36		19.00			
EDGE BPSK 3 Tx slots				22.37	22.31	22.30		23.00				18.11	18.05	18.04		18.74			
EDGE BPSK 4 Tx slots				20.56	20.51	20.52		21.50				17.56	17.51	17.52		18.50			

Band		WCDMA R_Ant 13				WCDMA R_Ant 31				Tune-up	
TX Channel		9262	9400	9538		9262	9400	9538		Limit	
Rx Channel		9662	9800	9938		9662	9800	9938		Limit	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6		(dBm)	
3GPP Rel 99	AMR 12.2Kbps	15.91	15.95	15.89		16.50	20.40	20.42	20.36	21.00	
3GPP Rel 99	RMC 12.2Kbps	15.95	15.98	15.93		16.50	20.41	20.44	20.39	21.00	
3GPP Rel 6	HSDPA Subtest-1	14.85	14.78	14.78		16.00	19.33	19.35	19.28	20.50	
3GPP Rel 6	HSDPA Subtest-2	14.88	14.80	14.83		16.00	19.43	19.37	19.33	20.50	
3GPP Rel 6	HSDPA Subtest-3	14.36	14.24	14.23		15.50	18.87	18.76	18.90	20.00	
3GPP Rel 6	HSDPA Subtest-4	14.41	14.32	14.25		15.50	18.90	18.81	18.90	20.00	
3GPP Rel 6	DC-HSDPA Subtest-1	14.74	14.64	14.69		16.00	19.36	19.28	19.19	20.50	
3GPP Rel 6	DC-HSDPA Subtest-2	14.82	14.61	14.68		16.00	19.34	19.27	19.26	20.50	
3GPP Rel 6	DC-HSDPA Subtest-3	14.37	14.30	14.18		15.50	18.71	18.64	18.73	20.00	
3GPP Rel 6	DC-HSDPA Subtest-4	14.25	14.19	14.19		15.50	18.94	18.75	18.76	20.00	
3GPP Rel 6	HSUPA Subtest-1	14.84	14.83	14.77		16.00	19.40	19.41	19.36	20.50	
3GPP Rel 6	HSUPA Subtest-2	12.77	12.77	12.87		14.00	17.36	17.40	17.36	18.50	
3GPP Rel 6	HSUPA Subtest-3	13.82	13.83	13.81		15.00	16.29	16.33	16.33	19.50	
3GPP Rel 6	HSUPA Subtest-4	12.88	12.81	12.76		14.00	17.32	17.34	17.29	18.50	
3GPP Rel 6	HSUPA Subtest-5	14.79	14.74	14.74		16.00	19.40	19.34	19.28	20.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.75	13.75	13.71		15.00	18.31	18.50	18.28	19.50	

Band		WCDMA V_Ant 13				WCDMA V_Ant 31				Tune-up	
TX Channel		4132	4182	4233		4132	4182	4233		Limit	
Rx Channel		4357	4407	4458		4357	4407	4458		Limit	
Frequency (MHz)		836.4	836.4	846.6		836.4	836.4	846.6		(dBm)	
3GPP Rel 99	AMR 12.2Kbps	24.33	24.38	24.36		25.00	24.25	24.37	24.35	25.00	
3GPP Rel 99	RMC 12.2Kbps	24.35	24.40	24.37		25.00	24.27	24.39	24.38	25.00	
3GPP Rel 6	HSDPA Subtest-1	23.52	23.61	23.58		24.50	23.46	23.53	23.57	24.50	
3GPP Rel 6	HSDPA Subtest-2	23.54	23.57	23.59		24.50	23.47	23.54	23.54	24.50	
3GPP Rel 6	HSDPA Subtest-3	22.99	23.08	23.08		24.00	22.94	22.97	23.10	24.00	
3GPP Rel 6	HSDPA Subtest-4	23.02	23.09	23.08		24.00	22.94	23.00	23.05	24.00	
3GPP Rel 6	DC-HSDPA Subtest-1	23.39	23.24	23.55		24.50	23.45	23.47	23.58	24.50	
3GPP Rel 6	DC-HSDPA Subtest-2	23.50	23.41	23.48		24.50	23.45	23.47	23.53	24.50	
3GPP Rel 6	DC-HSDPA Subtest-3	22.97	22.96	23.00		24.00	22.83	22.89	22.95	24.00	
3GPP Rel 6	DC-HSDPA Subtest-4	22.99	22.98	22.99		24.00	22.81	22.85	23.04	24.00	
3GPP Rel 6	HSUPA Subtest-1	23.52	23.55	23.60		24.50	23.46	23.55	23.57	24.50	
3GPP Rel 6	HSUPA Subtest-2	21.54	21.59	21.59		22.50	21.50	21.51	21.51	22.50	
3GPP Rel 6	HSUPA Subtest-3	22.59	22.57	22.57		23.50	22.47	22.51	22.53	23.50	
3GPP Rel 6	HSUPA Subtest-4	21.56	21.59	21.58		23.00	21.52	21.47	21.58	23.00	
3GPP Rel 6	HSUPA Subtest-5	23.60	23.60	23.60		24.50	23.50	23.60	23.50	24.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.66	22.67	22.64		23.50	22.51	22.53	22.51	23.50	

GSM850_Ant 31		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		128	189	251		Limit	128	189	251		Limit
Frequency (MHz)		824.2	836.4	848.8		(dBm)	824.2	836.4	848.8		(dBm)
GSM 1 Tx slot		32.60	32.95	32.74		33.50	23.60	23.95	23.74		24.50
GPRS/EDGE GSMK 1 Tx slot		32.59	32.91	32.72		33.50	23.59	23.91	23.72		24.50
GPRS/EDGE GSMK 2 Tx slots		30.31	30.56	30.47		31.50	24.31	24.56	24.47		25.50
GPRS/EDGE GSMK 3 Tx slots		27.60	28.85	28.82		29.50	23.34	24.59	24.36		25.24
GPRS/EDGE GSMK 4 Tx slots		27.04	27.22	27.20		28.00	24.04	24.22	24.20		25.00
EDGE BPSK 1 Tx slot		26.88	26.83	26.80		26.00	17.86	17.83	17.80		19.00
EDGE BPSK 2 Tx slots		24.98	24.81	25.01		26.00	18.98	18.81	19.01		20.00
EDGE BPSK 3 Tx slots		22.99	23.02	23.25		24.00	18.73	18.76	18.99		19.74
EDGE BPSK 4 Tx slots		21.63	21.38	21.56		22.50	18.63	18.38	18.56		19.50

Band 2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.30	17.46	17.46			
20	QPSK	1	49	17.38	17.38	17.38	18.5	0	
20	QPSK	1	99	17.35	17.39	17.39			
20	QPSK	50	0	17.23	17.43	17.42			
20	QPSK	50	24	17.24	17.28	17.28	18.5	0	
20	QPSK	50	50	17.24	17.38	17.40			
20	QPSK	100	0	17.19	17.36	17.33			
20	16QAM	1	0	17.11	17.27	17.30			
20	16QAM	1	49	17.18	17.26	17.28	18.5	0	
20	16QAM	1	99	17.12	17.33	17.30			
20	16QAM	50	0	17.10	17.34	17.28			
20	16QAM	50	24	17.15	17.26	17.29	18.5	0	
20	16QAM	50	50	17.10	17.29	17.29			
20	16QAM	100	0	17.11	17.30	17.26			
20	64QAM	1	0	17.15	17.30	17.29	18.5	0	
20	64QAM	1	49	17.12	17.27	17.23			
20	64QAM	1	99	17.15	17.30	17.25			
20	64QAM	50	0	17.14	17.31	17.31			
20	64QAM	50	24	17.14	17.30	17.30	18.5	0	
20	64QAM	50	50	17.12	17.27	17.25			
20	64QAM	100	0	17.11	17.29	17.26			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.42	17.43	17.43			
15	QPSK	1	37	17.28	17.34	17.31	18.5	0	
15	QPSK	1	74	17.38	17.30	17.36			
15	QPSK	36	0	17.40	17.42	17.37			
15	QPSK	36	12	17.31	17.28	17.31	18.5	0	
15	QPSK	36	39	17.30	17.37	17.31			
15	QPSK	75	0	17.28	17.32	17.28			
15	16QAM	1	0	17.18	17.18	17.18	18.5	0	
15	16QAM	1	37	17.16	17.21	17.20			
15	16QAM	1	74	17.27	17.30	17.24			
15	16QAM	36	0	17.29	17.32	17.27	18.5	0	
15	16QAM	36	12	17.18	17.23	17.24			
15	16QAM	36	39	17.27	17.21	17.26			
15	16QAM	75	0	17.20	17.29	17.26			
15	64QAM	1	0	17.28	17.29	17.26	18.5	0	
15	64QAM	1	37	17.20	17.20	17.20			
15	64QAM	1	74	17.23	17.23	17.22			
15	64QAM	36	0	17.27	17.30	17.29	18.5	0	
15	64QAM	36	12	17.20	17.23	17.24			
15	64QAM	36	39	17.17	17.18	17.21			
15	64QAM	75	0	17.25	17.25	17.23			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.42	17.41	17.47			
10	QPSK	1	25	17.29	17.36	17.33	18.5	0	
10	QPSK	1	49	17.38	17.33	17.36			
10	QPSK	12	0	17.40	17.39	17.41			
10	QPSK	25	12	17.28	17.31	17.36	18.5	0	
10	QPSK	25	25	17.31	17.28	17.31			
10	QPSK	50	0	17.26	17.23	17.23	18.5	0	
10	16QAM	1	25	17.24	17.16	17.25			
10	16QAM	1	49	17.28	17.25	17.31	18.5	0	
10	16QAM	1	74	17.30	17.30	17.32			
10	16QAM	25	12	17.22	17.19	17.26	18.5	0	
10	16QAM	25	25	17.23	17.23	17.21			
10	16QAM	50	0	17.23	17.21	17.26			
10	16QAM	50	25	17.26	17.19	17.19	18.5	0	
10	16QAM	1	49	17.20	17.20	17.20			
10	64QAM	1	0	17.22	17.29	17.25	18.5	0	
10	64QAM	1	25	17.26	17.29	17.27			
10	64QAM	25	25	17.21	17.22	17.25			
10	64QAM	50	0	17.26	17.22	17.26	18.5	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.44	17.47	17.38			
5	QPSK	1	12	17.33	17.29	17.35	18.5	0	
5	QPSK	12	24	17.36	17.34	17.32			
5	QPSK	12	0	17.33	17.38	17.40			
5	QPSK	12	7	17.27	17.30	17.32	18.5	0	
5	QPSK	12	13	17.34	17.36	17.36			
5	QPSK	25	14	17.28	17.30	17.28			
5	16QAM	1	0	17.18	17.21	17.26	18.5	0	
5	16QAM	1	12	17.25	17.23	17.17			
5	16QAM	12	24	17.26	17.23	17.27			
5	16QAM	12	7	17.25	17.33	17.28	18.5	0	
5	16QAM	12	7	17.26	17.23	17.24			
5	16QAM	12	13	17.25	17.22	17.23			
5	16QAM	25	14	17.21	17.22	17.25	18.5	0	
5	64QAM	1	0	17.28	17.21	17.21			
5	64QAM	1	12	17.25	17.24	17.22			
5	64QAM	12	24	17.24	17.26	17.17	18.5	0	
5	64QAM	12	7	17.28	17.21	17.29			
5	64QAM	12	7	17.29	17.27	17.32	18.5	0	
5	64QAM	12	13	17.22	17.25	17.25			
5	64QAM	25	0	17.25	17.21	17.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.44	17.46	17.41			
3	QPSK	1	8	17.36	17.34	17.32	18.5	0	
3	QPSK	1	14	17.33	17.33	17.33			
3	QPSK	8	0	17.40	17.40	17.41	18.5	0	
3	QPSK	8	4	17.30	17.28	17.26			
3	QPSK	15	0	17.32	17.26	17.30			
3	16QAM	1	0	17.18	17.21	17.19	18.5	0	
3	16QAM	1	8	17.19	17.16	17.20			
3	16QAM	1	14	17.31	17.29	17.31			
3	16QAM	8	0	17.31	17.27	17.25	18.5	0	
3	16QAM	8	4	17.22	17.27	17.18			
3	16QAM	8	7	17.20	17.19	17.27			
3	16QAM	15	0	17.26	17.23	17.25	18.5	0	
3	64QAM	1	0	17.29	17.27	17.20			
3	64QAM	1	8	17.26	17.25	17.19	18.5	0	
3	64QAM	25	14	17.22	17.25	17.24			
3	64QAM	8	0	17.24	17.23	17.28			
3	64QAM	8	4	17.25	17.23	17.29	18.5	0	
3	64QAM	8	7	17.24	17.26	17.17			
3	64QAM	15	0	17.23	17.27	17.25			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.41	17.39	17.47			
1.4	QPSK	1	3	17.36	17.32	17.37	18.5	0	
1.4	QPSK	1	5	17.35	17.33	17.30			
1.4	QPSK	3	0	17.41	17.39	17.36			
1.4	QPSK	3	1	17.34	17.28	17.27	18.5	0	
1.4	QPSK	3	1	17.32	17.30	17.36			
1.4	QPSK	6	0	17.35	17.29	17.30	18.5	0	
1.4	16QAM	1	0	17.23	17.20	17.18			
1.4	16QAM	1	3	17.18	17.23	17.24	18.5	0	
1.4	16QAM	1	5	17.27	17.30	17.31			
1.4	16QAM	3	0	17.24	17.28	17.32			
1.4	16QAM	3	1	17.24	17.26	17.20	18.5	0	
1.4	16QAM	3	1	17.19	17.20	17.22			
1.4	16QAM	6	0	17.27	17.27	17.22	18.5	0	
1.4	64QAM	1	0	17.23	17.27	17.26			
1.4	64QAM	1	3	17.18	17.23	17.21	18.5	0	
1.4	64QAM	1	5	17.27	17.23	17.28			
1.4	64QAM	3	0	17.23	17.22	17.27			
1.4	64QAM	3	1	17.29	17.31	17.25	18.5	0	
1.4	64QAM	3	1	17.22	17.19	17.18			
1.4	64QAM	6	0	17.23	17.26	17.21	18.5	0	

Band 2_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18800	19100			
20	QPSK	1	0	20.52	20.62	20.55			
20	QPSK	1	49	20.45	20.45	20.45	21.5	0	
20	QPSK	1	99	20.43	20.59	20.46			
20	QPSK	50	0	20.49	20.55	20.49			
20	QPSK	50	24	20.42	20.45	20.40	21.5	0	
20	QPSK	50	50	20.40	20.50	20.39			
20	QPSK	100	0	20.42	20.54	20.39			
20	16QAM	1	0	20.45	20.45	20.37	21.5	0	
20	16QAM	1	49	20.45	20.45	20.35			
20	16QAM	1	99	20.45	20.52	20.33			
20	16QAM	50	0	20.46	20.54	20.40			
20	16QAM	50	24	20.42	20.47	20.39	21.5	0	
20	16QAM	50	50	20.41	20.48	20.39			
20	16QAM	100	0	20.46	20.48	20.40			
20	64QAM	1	0	20.46	20.48	20.41	21.5	0	
20	64QAM	1	49	20.46	20.48	20.37			
20	64QAM	1	99	20.39	20.48	20.34			
20	64QAM	50	0	20.42	20.51	20.41			
20	64QAM	50	24	20.45	20.47	20.42	21.5	0	
20	64QAM	50	50	20.44	20.53	20.33			
20	64QAM	100	0	20.46	20.51	20.36			
Channel				18675	18900	19125	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1890.0	1912.5			
15	QPSK	1	0	20.54	20.61	20.57	21.5	0	
15	QPSK	1	37	20.54	20.50	20.55			
15	QPSK	1	74	20.55	20.52	20.58			
15	QPSK	36	0	20.54	20.54	20.50	21.5	0	
15	QPSK	36	20	20.44	20.42	20.36			
15	QPSK	36	39	20.41	20.48	20.47			
15	QPSK	75	0	20.50	20.53	20.51			
15	16QAM	1	0	20.44	20.41	20.42	21.5	0	
15	16QAM	1	37	20.44	20.41	20.40			
15	16QAM	1	74	20.50	20.50	20.51			
15	16QAM	36	0	20.50	20.53	20.45	21.5	0	
15	16QAM	36	20	20.39	20.37	20.39			
15	16QAM	36	39	20.47	20.45	20.41			
15	16QAM	75	0	20.45	20.42	20.46			
15	16QAM	75	0	20.44	20.42	20.45	21.5	0	
15	64QAM	1	37	20.42	20.44	20.37			
15	64QAM	1	74	20.47	20.40	20.45			
15	64QAM	36	0	20.47	20.47	20.44	21.5	0	
15	64QAM	36	20	20.37	20.37	20.44			
15	64QAM	36	39	20.52	20.49	20.44			
15	64QAM	75	0	20.49	20.47	20.43			
Channel				18625	18800	19075	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880.0	1907.5			
10	QPSK	1	0	20.55	20.57	20.59			
10	QPSK	1	25	20.59	20.52	20.51	21.5	0	
10	QPSK	1	49	20.49	20.48	20.48			
10	QPSK	25	0	20.45	20.54	20.52			
10	QPSK	25	12	20.38	20.36	20.39	21.5	0	
10	QPSK	25	25	20.45	20.41	20.46			
10	QPSK	50	0	20.47	20.47	20.47			
10	16QAM	1	0	20.37	20.43	20.41	21.5	0	
10	16QAM	1	25	20.37	20.40	20.44			
10	16QAM	1	49	20.45	20.45	20.43			
10	16QAM	25	0	20.51	20.49	20.53	21.5	0	
10	16QAM	25	12	20.45	20.44	20.45			
10	16QAM	25	25	20.48	20.43	20.39			
10	16QAM	50	0	20.42	20.44	20.41	21.5	0	
10	64QAM	1	0	20.45	20.42	20.40			
10	64QAM	1	25	20.39	20.38	20.45			
10	64QAM	1	49	20.46	20.38	20.42	21.5	0	
10	64QAM	25	0	20.44	20.47	20.46			
10	64QAM	25	12	20.38	20.45	20.40			
10	64QAM	25	25	20.51	20.43	20.43	21.5	0	
10	64QAM	50	0	20.45	20.46	20.46			
Channel				18625	18800	19175	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880.0	1917.5			
5	QPSK	1	0	20.58	20.53	20.54			
5	QPSK	1	20	20.52	20.52	20.54	21.5	0	
5	QPSK	1	24	20.54	20.55	20.56			
5	QPSK	12	0	20.46	20.46	20.52			
5	QPSK	12	7	20.43	20.37	20.36	21.5	0	
5	QPSK	12	13	20.43	20.39	20.41			
5	16QAM	1	0	20.30	20.44	20.50			
5	16QAM	1	0	20.37	20.44	20.37	21.5	0	
5	16QAM	1	20	20.37	20.39	20.42			
5	16QAM	1	24	20.51	20.49	20.47			
5	16QAM	12	0	20.46	20.47	20.48			
5	16QAM	12	7	20.39	20.38	20.47	21.5	0	
5	16QAM	12	13	20.41	20.40	20.43			
5	64QAM	1	0	20.42	20.43	20.40			
5	64QAM	1	0	20.42	20.43	20.47	21.5	0	
5	64QAM	1	20	20.37	20.41	20.41			
5	64QAM	1	24	20.42	20.40	20.40			
5	64QAM	12	0	20.47	20.49	20.45			
5	64QAM	12	7	20.43	20.46	20.48	21.5	0	
5	64QAM	12	13	20.46	20.50	20.43			
5	64QAM	25	0	20.42	20.44	20.49			
Channel				18615	18900	19185	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1861.5	1890.0	1918.5			
3	QPSK	1	0	20.61	20.52	20.54			
3	QPSK	1	8	20.54	20.54	20.58	21.5	0	
3	QPSK	1	14	20.55	20.58	20.49			
3	QPSK	8	0	20.48	20.48	20.47			
3	QPSK	8	8	20.39	20.44	20.39	21.5	0	
3	QPSK	8	7	20.47	20.43	20.44			
3	QPSK	15	0	20.48	20.44	20.51			
3	16QAM	1	0	20.39	20.38	20.46	21.5	0	
3	16QAM	1	8	20.45	20.45	20.51			
3	16QAM	1	14	20.47	20.43	20.51			
3	16QAM	8	0	20.49	20.44	20.47	21.5	0	
3	16QAM	8	7	20.38	20.45	20.40			
3	16QAM	8	8	20.47	20.39	20.46			
3	16QAM	15	0	20.37	20.43	20.39			
3	16QAM	15	0	20.37	20.38	20.39	21.5	0	
3	64QAM	1	8	20.37	20.36	20.37			
3	64QAM	1	14	20.38	20.39	20.47			
3	64QAM	8	0	20.43	20.47	20.41	21.5	0	
3	64QAM	8	7	20.42	20.39	20.43			
3	64QAM	8	7	20.49	20.52	20.51			
3	64QAM	15	0	20.43	20.42	20.42			
Channel				1850.7	1880	1900.3 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1900.3			
1.4	QPSK	1	0	20.62	20.60	20.59			
1.4	QPSK	1	3	20.60	20.56	20.53	21.5	0	
1.4	QPSK	1	20	20.57	20.51	20.59			
1.4	QPSK	3	0	20.49	20.54	20.53			
1.4	QPSK	3	1	20.36	20.37	20.43			
1.4	QPSK	3	0	20.48	20.48	20.48	21.5	0	
1.4	QPSK	6	0	20.40	20.52	20.47			
1.4	16QAM	1	0	20.40	20.40	20.41			
1.4	16QAM	1	3	20.41	20.36	20.43	21.5	0	
1.4	16QAM	1	20	20.47	20.48	20.43			
1.4	16QAM	3	0	20.37	20.38	20.43			
1.4	16QAM	3	1	20.42	20.40	20.43			
1.4	16QAM	6	0	20.44	20.39	20.47			
1.4	16QAM	6	1	20.41	20.39	20.42	21.5	0	
1.4	16QAM	6	0	20.43	20.40	20.43			
1.4	64QAM	3	1	20.39	20.43	20.45			
1.4	64QAM	3	1	20.47	20.47	20.47	21.5	0	
1.4	64QAM	6	0	20.49	20.47	20.50			

Band 4_Ant11									
BW (MHz)	Modulation	RB Size	RB Offset	Power (mW) CH 1/Freq	Power (mW) CH 2/Freq	Power (mW) CH 3/Freq	Turn-on time (ms)	MFR (dB)	
Channel									
	Frequency (MHz)			17020	1732.5	17445			
20	QPSK	1	0	19.13	19.15	19.11			
20	QPSK	1	49	19.07	19.13	19.08	20	0	0
20	QPSK	1	99	19.06	19.05	19.05			
20	QPSK	50	0	19.12	19.14	19.21			
20	QPSK	50	24	19.08	19.04	19.04	20	0	0
20	QPSK	50	50	19.03	19.05	19.05			
20	QPSK	100	0	19.07	19.13	19.01			
20	16QAM	1	0	19.04	19.12	19.00			
20	16QAM	1	49	19.07	19.13	19.02	20	0	0
20	16QAM	1	99	19.00	19.11	19.00			
20	16QAM	50	0	19.03	19.05	19.03			
20	16QAM	50	24	19.04	19.10	19.01	20	0	0
20	16QAM	50	50	19.03	19.10	19.01			
20	16QAM	100	0	19.02	19.13	19.03			
20	64QAM	1	0	19.06	19.10	19.07			
20	64QAM	1	49	19.04	19.07	19.03	20	0	0
20	64QAM	1	99	19.09	19.05	19.03			
20	64QAM	50	0	19.01	19.08	19.04			
20	64QAM	50	24	19.04	19.10	19.01	20	0	0
20	64QAM	50	50	19.03	19.10	19.01			
20	64QAM	100	0	19.03	19.13	19.00			
Channel									
	Frequency (MHz)			1717.5	1732.5	1750.5	Turn-on time (ms)	MFR (dB)	
5	QPSK	1	0	19.13	19.15	19.13			
5	QPSK	1	37	19.01	19.02	19.01	20	0	0
5	QPSK	1	74	19.00	18.98	18.99			
5	QPSK	25	0	19.04	19.05	19.04			
5	QPSK	36	20	19.07	19.03	19.06	20	0	0
5	QPSK	36	39	19.02	19.05	19.05			
5	QPSK	75	0	19.04	19.05	19.05			
5	16QAM	1	0	19.03	19.13	19.03			
5	16QAM	1	37	19.03	19.08	19.02	20	0	0
5	16QAM	1	74	19.01	19.02	19.03			
5	16QAM	25	0	19.04	19.05	19.05			
5	16QAM	36	20	19.02	19.08	19.05	20	0	0
5	16QAM	36	39	19.08	19.06	19.03			
5	16QAM	75	0	19.09	19.06	19.04			
5	64QAM	1	0	19.06	19.04	19.01	20	0	0
5	64QAM	1	37	19.06	19.08	19.00			
5	64QAM	1	74	19.09	19.06	19.02	20	0	0
5	64QAM	25	0	19.04	19.05	19.05			
5	64QAM	36	20	19.03	19.07	19.05	20	0	0
5	64QAM	36	39	19.08	19.07	19.05			
5	64QAM	75	0	19.09	19.11	19.03			
Channel									
	Frequency (MHz)			1717.5	1732.5	1750.5	Turn-on time (ms)	MFR (dB)	
10	QPSK	1	0	19.13	19.10	19.05			
10	QPSK	1	25	19.01	19.05	19.08			
10	QPSK	1	49	19.04	19.03	19.06	20	0	0
10	QPSK	25	0	19.11	19.09	19.04			
10	QPSK	25	12	19.07	19.03	19.07			
10	QPSK	25	25	19.09	19.05	19.06	20	0	0
10	QPSK	50	0	19.11	19.09	19.03			
10	16QAM	1	0	19.03	19.08	19.02			
10	16QAM	1	25	19.07	19.08	19.04	20	0	0
10	16QAM	1	49	19.10	19.05	19.06			
10	16QAM	25	0	19.01	19.04	19.04			
10	16QAM	25	12	19.09	19.09	19.04			
10	16QAM	25	25	19.03	19.03	19.08	20	0	0
10	16QAM	50	0	19.11	19.09	19.06			
10	16QAM	50	12	19.05	19.06	19.06			
10	16QAM	1	0	19.07	19.04	19.08			
10	64QAM	1	25	19.04	19.03	19.07	20	0	0
10	64QAM	1	49	19.06	19.05	19.07			
10	64QAM	25	0	19.02	19.08	19.07			
10	64QAM	25	12	19.06	19.09	19.01			
10	64QAM	25	25	19.03	19.03	19.07	20	0	0
10	64QAM	50	0	19.09	19.09	19.09			
Channel									
	Frequency (MHz)			1717.5	1732.5	1750.5	Turn-on time (ms)	MFR (dB)	
5	QPSK	1	0	19.10	19.08	19.02			
5	QPSK	1	12	19.08	19.06	19.05	20	0	0
5	QPSK	1	24	19.00	19.02	19.02			
5	QPSK	12	0	19.10	19.12	19.06			
5	QPSK	12	7	19.09	19.05	19.08	20	0	0
5	QPSK	12	14	19.08	19.06	19.09			
5	QPSK	25	0	19.12	19.05	19.04			
5	QPSK	25	1	19.02	19.03	19.11			
5	16QAM	1	0	19.11	19.09	19.04	20	0	0
5	16QAM	1	24	19.07	19.07	19.01			
5	16QAM	12	0	19.03	19.02	19.00			
5	16QAM	12	7	19.09	19.09	19.06	20	0	0
5	16QAM	12	13	19.05	19.07	19.05			
5	16QAM	25	0	19.10	19.07	19.01			
5	64QAM	1	0	19.04	19.03	19.08			
5	64QAM	1	12	19.08	19.05	19.07	20	0	0
5	64QAM	1	24	19.01	19.07	19.06			
5	64QAM	12	0	19.03	19.05	19.08			
5	64QAM	12	7	19.07	19.09	19.02	20	0	0
5	64QAM	12	13	19.01	19.08	19.05			
5	64QAM	25	0	19.06	19.09	19.05			
Channel									
	Frequency (MHz)			1717.5	1732.5	1750.5	Turn-on time (ms)	MFR (dB)	
3	QPSK	1	0	19.07	19.14	19.05			
3	QPSK	1	8	19.08	19.04	19.05			
3	QPSK	1	14	19.07	19.00	19.04			
3	QPSK	8	0	19.08	19.05	19.03	20	0	0
3	QPSK	8	4	19.02	19.08	19.05			
3	QPSK	8	7	19.02	19.08	19.07			
3	QPSK	15	0	19.11	19.03	19.07	20	0	0
3	16QAM	1	0	19.05	19.05	19.06			
3	16QAM	1	8	19.10	19.03	19.08			
3	16QAM	1	14	19.02	19.01	19.03	20	0	0
3	16QAM	8	0	19.04	19.05	19.06			
3	16QAM	8	4	19.06	19.08	19.01			
3	16QAM	8	7	19.06	19.03	19.07	20	0	0
3	16QAM	15	0	19.04	19.09	19.05			
3	64QAM	1	0	19.05	19.05	19.06			
3	64QAM	1	8	19.08	19.07	19.06	20	0	0
3	64QAM	1	14	19.02	19.03	19.02			
3	64QAM	8	0	19.04	19.07	19.06			
3	64QAM	8	4	19.00	19.08	19.03	20	0	0
3	64QAM	8	7	19.05	19.06	19.09			
3	64QAM	15	0	19.07	19.07	19.05			
Channel									
	Frequency (MHz)			1717.0	1732.5	1754.3	Turn-on time (ms)	MFR (dB)	
1.4	QPSK	1	0	19.09	19.07	19.07			
1.4	QPSK	1	3	19.08	19.06	19.05			
1.4	QPSK	1	6	19.04	19.05	19.05	20	0	0
1.4	QPSK	3	0	19.05	19.04	19.12			
1.4	QPSK	3	1	19.16	19.05	19.03			
1.4	QPSK	6	0	19.09	19.08	19.04	20	0	0
1.4	16QAM	1	0	19.10	19.06	19.04			
1.4	16QAM	1	3	19.07	19.04	19.05			
1.4	16QAM	1	6	19.10	19.03	19.08	20	0	0
1.4	16QAM	3	0	19.00	19.02	19.00			
1.4	16QAM	3	1	19.04	19.00	19.07			
1.4	16QAM	6	0	19.07	19.11	19.09	20	0	0
1.4	64QAM	1	0	19.08	19.07	19.00			
1.4	64QAM	1	3	19.06	19.02	19.07			
1.4	64QAM	1	6	19.07	19.05	19.06	20	0	0
1.4	64QAM	3	0	19.05	19.08	19.05			
1.4	64QAM	3	1	19.05	19.00	19.00			
1.4	64QAM	6	0	19.06	19.07	19.01	20	0	0

Band 5_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Pwr Ch1 (dBm)	Power Pwr Ch2 (dBm)	Power Pwr Ch3 (dBm)	Turn-up time (dBm)	MPR (dB)	
Channel				20425	20525	20625			
Frequency (MHz)				824.5	836.5	844			
10	QPSK	1	0	23.14	24.32	24.31			
10	QPSK	1	25	24.24	24.22	24.22			25
10	QPSK	1	40	23.24	24.22	24.04			
10	QPSK	25	0	23.04	23.11	23.02			
10	QPSK	25	12	23.14	23.25	23.14			24
10	QPSK	25	25	23.09	23.09	23.09			
10	QPSK	50	0	23.11	23.16	23.04			
10	16QAM	1	0	23.37	23.24	23.27			
10	16QAM	1	25	24.35	23.46	23.40			24
10	16QAM	25	0	23.01	22.97	23.01			
10	16QAM	25	0	22.08	22.17	22.10			
10	16QAM	25	12	22.06	22.06	22.06			23
10	16QAM	25	12	22.10	22.12	22.06			
10	16QAM	50	0	22.05	22.05	22.12			
10	64QAM	1	0	22.30	22.19	22.33			
10	64QAM	1	25	22.62	22.28	22.16			23
10	64QAM	25	0	22.34	22.32	22.34			
10	64QAM	25	0	21.05	21.09	21.08			
10	64QAM	25	12	21.03	21.10	21.12			22
10	64QAM	25	0	21.00	21.17	21.13			
10	64QAM	50	0	21.08	21.07	21.03			
Channel				20425	20525	20625	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				824.5	836.5	845.5			
5	QPSK	1	0	24.04	24.24	24.24			
5	QPSK	1	25	24.08	24.12	24.12			25
5	QPSK	1	24	23.80	23.99	24.03			
5	QPSK	12	0	23.00	23.00	22.94			
5	QPSK	12	7	23.03	23.04	23.13			24
5	QPSK	12	14	23.02	23.04	23.10			
5	QPSK	25	0	23.00	23.15	22.96			
5	16QAM	1	0	23.33	23.23	23.33			
5	16QAM	1	12	23.29	23.24	23.35			
5	16QAM	12	7	22.99	22.98	23.12			
5	16QAM	12	7	22.01	22.10	22.09			
5	16QAM	25	0	23.06	22.95	23.07			23
5	16QAM	25	0	22.09	21.99	22.01			
5	64QAM	1	0	22.15	22.05	22.19			
5	64QAM	1	12	22.02	22.12	22.13			23
5	64QAM	12	7	22.28	22.22	22.07			
5	64QAM	12	0	20.95	20.98	21.02			
5	64QAM	12	7	20.90	21.05	21.11			23
5	64QAM	12	7	20.98	21.06	20.97			
5	64QAM	25	0	20.94	20.95	20.97			
Channel				20425	20525	20635	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				824.5	836.5	847.5			
3	QPSK	1	0	24.13	24.22	24.30			
3	QPSK	1	25	24.03	24.07	24.04			25
3	QPSK	1	14	23.92	24.03	23.93			
3	QPSK	8	0	22.93	23.10	22.98			
3	QPSK	8	4	22.99	23.07	22.98			24
3	QPSK	8	4	23.02	22.92	22.99			
3	QPSK	15	0	23.10	23.14	22.98			
3	16QAM	1	0	23.33	23.11	23.19			
3	16QAM	1	12	23.35	23.14	23.19			23
3	16QAM	1	12	23.36	23.15	23.30			
3	16QAM	1	14	22.89	22.63	23.37			
3	16QAM	8	0	21.98	22.05	22.10			
3	16QAM	8	4	21.92	21.93	21.86			23
3	16QAM	8	4	22.14	21.95	21.98			
3	16QAM	15	0	21.15	21.97	21.97			
3	64QAM	1	0	22.18	22.09	22.18			
3	64QAM	1	25	22.18	22.22	22.04			23
3	64QAM	8	0	20.97	21.04	21.01			
3	64QAM	8	4	20.87	21.09	20.97			22
3	64QAM	8	4	21.09	21.05	21.04			
3	64QAM	15	0	20.93	20.92	20.93			
Channel				20407 <th>20525</th> <th>20643</th> <th>Turn-up time (dBm)</th> <th>MPR (dB)</th> <th></th>	20525	20643	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				824.1	836.5	846.3			
1.4	QPSK	1	0	24.03	24.04	24.07			
1.4	QPSK	1	25	23.97	24.1	24.07			25
1.4	QPSK	1	5	23.96	23.89	23.92			
1.4	QPSK	3	0	24.00	24.04	24.05			
1.4	QPSK	3	0	24.03	24.03	24.04			
1.4	QPSK	3	23.97	23.93	23.99				
1.4	QPSK	6	0	23.16	23.14	23.15			24
1.4	16QAM	1	0	23.10	23.07	23.10			
1.4	16QAM	1	25	23.12	23.10	23.10			
1.4	16QAM	1	5	23.17	23.08	23.16			24
1.4	16QAM	3	1	23.29	23.35	23.37			
1.4	16QAM	3	1	23.33	23.32	23.32			
1.4	16QAM	3	1	23.28	23.31	23.31			
1.4	16QAM	6	0	22.13	22.14	22.25			23
1.4	16QAM	6	0	22.12	22.15	22.17			
1.4	64QAM	1	5	22.09	22.12	22.09			23
1.4	64QAM	1	5	22.04	22.20	22.32			
1.4	64QAM	3	1	22.22	22.22	22.27			
1.4	64QAM	3	1	22.20	22.21	22.27			
1.4	64QAM	6	0	21.18	21.14	21.19			22

Band 5_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (F)	Power Low (F)	Power High (F)	Power High (F)	Turn-up time (dBm)	MPR (dB)			
Channel				2025	2025	2025	2025					
Frequency (MHz)				826	836.5	844						
10	QPSK	1	0	23.31	23.38	23.28		24	0			
10	QPSK	1	26	23.24	23.32	23.28						
10	QPSK	25	0	23.28	23.32	23.19						
10	QPSK	25	12	23.30	23.33	23.14						
24	QPSK	1	0	23.28	23.32	23.17		24	0			
10	QPSK	50	0	23.25	23.26	23.12						
10	16QAM	1	0	23.28	23.23	23.13						
10	16QAM	1	26	23.29	23.24	23.11						
10	16QAM	25	0	22.22	22.23	22.16		23	1			
10	16QAM	25	0	22.20	22.27	22.13						
10	16QAM	25	12	22.21	22.26	22.14						
10	16QAM	25	26	22.21	22.22	22.20						
10	64QAM	1	0	22.27	22.23	22.14		23	1			
10	64QAM	1	26	22.22	22.29	22.11						
10	64QAM	25	0	22.28	22.23	22.16						
10	64QAM	25	12	21.01	21.09	21.07						
22	QPSK	25	12	21.09	21.06	21.11		22	2			
10	64QAM	25	26	21.13	21.15	21.11						
10	64QAM	50	0	20.93	20.92	20.91						
Channel				20425	20525	20625		Turn-up time (dBm)			MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	23.34	23.33	23.25		24	0			
5	QPSK	1	18	23.28	23.31	23.25						
5	QPSK	1	24	23.21	23.20	23.24						
5	QPSK	12	0	23.29	23.29	23.25						
5	QPSK	12	7	23.20	23.22	23.20		24	0			
5	QPSK	12	0	23.23	23.23	23.21						
5	QPSK	25	0	23.19	23.22	23.23						
5	16QAM	1	0	23.13	23.20	23.14						
5	16QAM	1	12	23.20	23.18	23.14		24	0			
5	16QAM	1	26	23.21	23.13	23.14						
5	16QAM	12	0	22.17	22.21	22.25						
5	16QAM	12	7	22.23	22.19	22.23						
5	16QAM	12	18	22.28	22.28	22.25		23	1			
5	16QAM	25	0	22.21	22.24	22.22						
5	16QAM	25	12	22.16	22.15	22.20						
5	64QAM	1	0	22.22	22.24	22.20						
5	64QAM	1	12	22.24	22.22	22.20		23				
Channel				20416	20516	20616		Turn-up time (dBm)	MPR (dB)			
Frequency (MHz)				826.5	836.5	847.5						
3	QPSK	1	0	23.25	23.32	23.25		24	0			
3	QPSK	1	18	23.31	23.31	23.25						
3	QPSK	1	14	23.21	23.20	23.25						
3	QPSK	8	4	23.34	23.32	23.24						
3	QPSK	8	4	23.23	23.23	23.20		24	0			
3	QPSK	15	0	23.17	23.21	23.21						
3	16QAM	1	0	23.19	23.17	23.14						
3	16QAM	1	18	23.17	23.18	23.20						
3	16QAM	1	14	23.22	23.16	23.25		24	0			
3	16QAM	8	0	22.23	22.20	22.26						
3	16QAM	8	4	22.24	22.23	22.17						
3	16QAM	8	4	22.25	22.26	22.25						
3	16QAM	15	0	22.23	22.21	22.18		23	1			
3	64QAM	1	0	22.14	22.15	22.21						
3	64QAM	1	8	22.22	22.20	22.25						
3	64QAM	1	8	22.30	22.25	22.29						
3	64QAM	8	0	21.07	21.05	21.05		22	2			
3	64QAM	8	4	21.00	20.96	21.05						
3	64QAM	8	4	21.07	21.11	21.06						
3	64QAM	15	0	20.86	20.88	20.84						
Channel				20670	20525	20643		Turn-up time (dBm)	MPR (dB)			
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	23.28	23.32	23.28		24	0			
1.4	QPSK	1	0	23.30	23.30	23.31						
1.4	QPSK	1	5	23.22	23.25	23.26						
1.4	QPSK	3	0	23.29	23.28	23.30						
1.4	QPSK	3	0	23.26	23.26	23.26		24	0			
1.4	QPSK	3	3	23.15	23.16	23.21						
1.4	QPSK	6	0	23.18	23.22	23.23						
1.4	16QAM	1	0	23.14	23.13	23.15						
1.4	16QAM	1	5	23.20	23.22	23.16		24	0			
1.4	16QAM	1	5	23.20	23.25	23.17						
1.4	16QAM	3	0	22.26	22.18	22.21						
1.4	16QAM	3	1	22.18	22.23	22.23						
1.4	16QAM	3	1	22.31	22.27	22.27		23	1			
1.4	64QAM	1	0	22.24	22.22	22.19						
1.4	64QAM	1	0	22.18	22.21	22.13						
1.4	64QAM	1	5	22.26	22.27	22.22						
1.4	64QAM	1	5	22.25	22.21	22.30		23	1			
1.4	64QAM	3	0	22.04	22.07	22.07						
1.4	64QAM	3	1	21.97	21.97	22.03						
1.4	64QAM	3	1	22.01	22.02	22.03						
1.4	64QAM	6	0	20.85	20.90	20.84		22				

Band 7 Ant 13												
BW (MHz)	Modulation	Size	RB Offset	Power (mW) Ch. 1	Power (mW) Ch. 2	Power (mW) Ch. 3	Power (mW) Ch. 4	Turn-up time (dBm)	MPR (dB)			
Channel				20850	21100	21350						
Frequency (MHz)				20510	20535	20560						
20	QPSK	1	0	10.23	10.24	10.22						
20	QPSK	1	49	10.18	10.21	10.19		11	0			
20	QPSK	1	98	10.18	10.19	10.18		11	0			
20	QPSK	50	0	10.18	10.22	10.21						
20	QPSK	50	24	10.07	10.21	10.19		11	0			
20	QPSK	50	49	10.14	10.19	10.13		11	0			
20	QPSK	100	0	10.08	10.17	10.15						
20	16QAM	1	0	10.14	10.21	10.16						
20	16QAM	1	49	10.12	10.13	10.16		11	0			
20	16QAM	1	98	10.08	10.10	10.16		11	0			
20	16QAM	50	0	10.12	10.16	10.19						
20	16QAM	50	24	10.12	10.12	10.20		11	0			
20	16QAM	50	49	10.10	10.16	10.14		11	0			
20	16QAM	100	0	10.14	10.16	10.14						
20	64QAM	1	0	10.13	10.19	10.20						
20	64QAM	1	49	10.10	10.19	10.14		11	0			
20	64QAM	1	98	10.07	10.10	10.16		11	0			
20	64QAM	50	0	10.12	10.21	10.15						
20	64QAM	50	24	10.08	10.21	10.14		11	0			
20	64QAM	50	49	10.12	10.14	10.11		11	0			
20	64QAM	100	0	10.14	10.16	10.18						
Channel				20925	21100	21375	Turn-up time (dBm)	MPR (dB)				
Frequency (MHz)				20507.5	20535	2062.5						
15	QPSK	1	0	10.17	10.19	10.15						
15	QPSK	1	37	10.17	10.19	10.15		11	0			
15	QPSK	1	74	10.12	10.16	10.10		11	0			
15	QPSK	36	0	10.15	10.13	10.12						
15	QPSK	36	20	10.19	10.11	10.17		11	0			
15	QPSK	36	49	10.07	10.11	10.10		11	0			
15	QPSK	75	0	10.11	10.15	10.12						
15	16QAM	1	0	10.14	10.17	10.19						
15	16QAM	1	37	10.11	10.08	10.09		11	0			
15	16QAM	1	74	10.10	10.12	10.11		11	0			
15	16QAM	36	0	10.06	10.10	10.15						
15	16QAM	36	20	10.10	10.06	10.06		11	0			
15	16QAM	36	49	10.10	10.06	10.06		11	0			
15	16QAM	75	0	10.05	10.12	10.11						
15	64QAM	1	0	10.17	10.13	10.15						
15	64QAM	1	37	10.10	10.18	10.09		11	0			
15	64QAM	1	74	10.08	10.15	10.14		11	0			
15	64QAM	36	0	10.20	10.16	10.12						
15	64QAM	36	20	10.14	10.15	10.11		11	0			
15	64QAM	36	49	10.10	10.15	10.11		11	0			
15	64QAM	75	0	10.08	10.12	10.13						
Channel				20950	21100	21400	Turn-up time (dBm)	MPR (dB)				
Frequency (MHz)				20600	20535	20465						
10	QPSK	1	0	10.21	10.18	10.15						
10	QPSK	1	49	10.13	10.17	10.14		11	0			
10	QPSK	1	98	10.13	10.18	10.11		11	0			
10	QPSK	25	0	10.15	10.14	10.13						
10	QPSK	25	12	10.12	10.13	10.12		11	0			
10	QPSK	25	25	10.10	10.12	10.10		11	0			
10	QPSK	50	0	10.12	10.10	10.07						
10	16QAM	1	0	10.18	10.18	10.15						
10	16QAM	1	49	10.09	10.16	10.15		11	0			
10	16QAM	1	98	10.09	10.12	10.13		11	0			
10	16QAM	25	0	10.13	10.09	10.14						
10	16QAM	25	12	10.08	10.07	10.05		11	0			
10	16QAM	25	25	10.16	10.08	10.06		11	0			
10	16QAM	50	0	10.12	10.10	10.05						
10	64QAM	1	0	10.12	10.11	10.18						
10	64QAM	1	25	10.14	10.12	10.11		11	0			
10	64QAM	1	49	10.06	10.12	10.12		11	0			
10	64QAM	25	0	10.17	10.15	10.11						
10	64QAM	25	12	10.18	10.17	10.18		11	0			
10	64QAM	25	25	10.12	10.10	10.04		11	0			
10	64QAM	50	0	10.06	10.11	10.11						
Channel				20975	21100	21425	Turn-up time (dBm)	MPR (dB)				
Frequency (MHz)				20625	20535	2067.5						
5	QPSK	1	0	10.17	10.22	10.20						
5	QPSK	1	49	10.14	10.22	10.20		11	0			
5	QPSK	1	98	10.14	10.14	10.14		11	0			
5	QPSK	12	0	10.15	10.12	10.17						
5	QPSK	12	49	10.18	10.14	10.12		11	0			
5	QPSK	12	98	10.07	10.12	10.12		11	0			
5	QPSK	25	0	10.16	10.09	10.10						
5	16QAM	1	0	10.13	10.13	10.15						
5	16QAM	1	49	10.03	10.12	10.12		11	0			
5	16QAM	1	98	10.09	10.18	10.09		11	0			
5	16QAM	12	0	10.06	10.09	10.07						
5	16QAM	12	49	10.10	10.02	10.06		11	0			
5	16QAM	12	98	10.09	10.05	10.11		11	0			
5	16QAM	25	0	10.10	10.05	10.14						
5	64QAM	1	0	10.12	10.14	10.17						
5	64QAM	1	49	10.10	10.12	10.11		11	0			
5	64QAM	1	98	10.10	10.10	10.07		11	0			
5	64QAM	12	0	10.20	10.12	10.15						
5	64QAM	12	49	10.19	10.11	10.13		11	0			
5	64QAM	12	98	10.12	10.10	10.11		11	0			
5	64QAM	25	0	10.13	10.10	10.13						

Band 7_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
				20510	21150	21510						
				20510	20510	20510						
20	QPSK	1	0	21.02	21.13	21.07	22	0				
20	QPSK	1	49	21.02	21.04	21.01						
20	QPSK	1	99	21.01	21.08	21.00	22	0				
20	QPSK	50	0	21.04	21.07	21.06						
20	QPSK	50	24	21.00	20.98	20.96	22	0				
20	QPSK	50	50	21.02	21.01	21.01						
20	QPSK	100	0	20.97	21.02	20.98	22	0				
20	16QAM	1	0	20.94	21.04	20.99						
20	16QAM	1	49	21.00	21.01	21.00	22	0				
20	16QAM	1	99	20.97	21.00	21.01						
20	16QAM	50	0	20.98	21.01	20.99	22	0				
20	16QAM	50	24	20.95	20.97	21.01						
20	16QAM	50	50	21.02	21.01	20.98	22	0				
20	16QAM	100	0	20.98	21.02	20.98						
20	64QAM	1	0	20.97	20.99	21.05	22	0				
20	64QAM	1	49	21.01	20.98	21.05						
20	64QAM	1	99	21.03	20.98	20.96	21	1				
20	64QAM	50	0	20.93	20.92	20.90						
20	64QAM	50	24	20.97	20.95	20.93	21	1				
20	64QAM	50	50	19.96	19.97	19.96						
20	64QAM	100	0	20.93	19.97	19.97	21	1				
Channel												
Frequency (MHz)												
				20625	21100	21375	Turn-up limit (dBm)		MPR (dB)			
				20515	21155	21525						
15	QPSK	1	0	21.04	21.11	21.05	22	0				
15	QPSK	1	37	20.98	20.97	21.02						
15	QPSK	1	74	21.05	21.00	21.03	22	0				
15	QPSK	36	0	21.05	21.05	20.98						
15	QPSK	36	20	20.95	20.93	20.97	22	0				
15	QPSK	36	39	20.95	20.98	20.98						
15	QPSK	75	0	21.00	20.93	20.95	22	0				
15	16QAM	1	0	20.97	21.01	20.96						
15	16QAM	1	37	20.96	20.99	20.97	22	0				
15	16QAM	1	74	20.98	20.93	20.91						
15	16QAM	36	0	20.95	20.94	20.96	22	0				
15	16QAM	36	20	20.95	20.93	20.90						
15	16QAM	36	39	20.99	20.98	20.91	22	0				
15	16QAM	75	0	20.98	21.01	20.97						
15	64QAM	1	0	20.92	20.94	20.92	22	0				
15	64QAM	1	37	20.93	20.92	20.88						
15	64QAM	1	74	20.88	20.97	20.97	21	1				
15	64QAM	36	0	19.95	19.93	19.92						
15	64QAM	36	20	19.92	19.95	19.97	21	1				
15	64QAM	36	39	19.97	19.95	19.93						
15	64QAM	75	0	19.93	19.94	19.93	21	1				
Channel												
Frequency (MHz)												
				20805	21100	21405	Turn-up limit (dBm)		MPR (dB)			
				20615	21155	21505						
10	QPSK	1	0	21.08	21.12	21.10	22	0				
10	QPSK	1	24	20.94	20.95	20.95						
10	QPSK	1	49	20.98	21.02	21.01	22	0				
10	QPSK	25	0	21.03	20.97	21.00						
10	QPSK	25	12	20.96	20.95	20.89	22	0				
10	QPSK	25	25	20.97	20.96	20.99						
10	QPSK	50	0	20.99	20.96	20.97	22	0				
10	16QAM	1	0	21.01	20.94	20.98						
10	16QAM	1	24	20.97	20.99	20.92	22	0				
10	16QAM	1	49	20.91	20.98	20.93						
10	16QAM	25	0	20.95	20.93	20.98	22	0				
10	16QAM	25	12	20.90	20.89	20.88						
10	16QAM	25	25	20.99	20.97	20.99	22	0				
10	16QAM	50	0	20.92	21.00	20.97						
10	64QAM	1	0	20.92	20.95	20.94	22	0				
10	64QAM	1	25	20.96	20.91	20.88						
10	64QAM	1	49	20.92	20.93	20.96	21	1				
10	64QAM	25	0	19.95	19.92	19.95						
10	64QAM	25	12	20.91	20.93	20.91	21	1				
10	64QAM	25	12	20.91	20.93	20.91						
10	64QAM	25	25	19.91	19.98	19.92	21	1				
10	64QAM	50	0	19.93	19.93	19.88						
Channel												
Frequency (MHz)												
				20975	21100	21425	Turn-up limit (dBm)		MPR (dB)			
				20525	21155	21575						
5	QPSK	1	0	21.10	21.05	21.05	22	0				
5	QPSK	1	12	20.95	21.01	20.97						
5	QPSK	1	24	20.98	21.00	21.06	22	0				
5	QPSK	12	0	20.97	21.00	20.97						
5	QPSK	12	7	20.95	20.95	20.94	22	0				
5	QPSK	12	13	20.92	20.93	20.96						
5	QPSK	25	0	21.00	20.96	20.93	22	0				
5	16QAM	1	0	21.00	21.02	21.00						
5	16QAM	1	12	20.98	20.91	20.99	22	0				
5	16QAM	1	24	20.99	20.96	20.99						
5	16QAM	12	0	21.00	20.97	20.91	22	0				
5	16QAM	12	7	20.94	20.90	20.95						
5	16QAM	12	13	20.94	20.95	20.96	22	0				
5	16QAM	25	0	20.95	20.94	20.95						
5	64QAM	1	0	20.89	20.93	20.94	22	0				
5	64QAM	1	12	20.96	20.93	20.88						
5	64QAM	1	24	20.92	20.96	20.97	21	1				
5	64QAM	12	0	19.97	20.00	19.98						
5	64QAM	12	7	19.96	20.02	19.97	21	1				
5	64QAM	12	13	19.97	20.00	19.96						
5	64QAM	25	0	19.95	19.92	19.87	21	1				
Channel												
Frequency (MHz)												
				21075	21100	21425	Turn-up limit (dBm)		MPR (dB)			
				20525	21155	21575						
5	QPSK	1	0	21.16	21.15	21.05	22	0				
5	QPSK	1	12	20.95	21.01	20.97						
5	QPSK	1	24	20.98	21.00	21.06	22	0				
5	QPSK	12	0	20.97	21.00	20.97						
5	QPSK	12	7	20.95	20.95	20.94	22	0				
5	QPSK	12	13	20.92	20.93	20.96						
5	QPSK	25	0	21.00	20.96	20.93	22	0				
5	16QAM	1	0	21.00	21.02	21.00						
5	16QAM	1	12	20.98	20.91	20.99	22	0				
5	16QAM	1	24	20.99	20.96	20.99						
5	16QAM	12	0	21.00	20.97	20.91	22	0				
5	16QAM	12	7	20.94	20.90	20.95						
5	16QAM	12	13	20.94	20.95	20.96	21	1				
5	16QAM	25	0	20.95	20.94	20.95						
5	64QAM	1	0	20.89	20.93	20.94	22	0				
5	64QAM	1	12	20.96	20.93	20.88						
5	64QAM	1	24	20.92	20.96	20.97	21	1				
5	64QAM	12	0	19.97	20.00	19.98						
5	64QAM	12	7	19.96	20.02	19.97	21	1				
5	64QAM	12	13	19.97	20.00	19.96						
5	64QAM	25	0	19.95	19.92	19.87	21	1				
Channel												
Frequency (MHz)												
				21075	21100	21425	Turn-up limit (dBm)		MPR (dB)			
				20525	21155	21575						
5	QPSK	1	0	21.16	21.15	21.05	22	0				
5	QPSK	1	12	20.95	21.01	20.97						
5	QPSK	1	24	20.98	21.00	21.06	22	0				
5	QPSK	12	0	20.97	21.00	20.97						
5	QPSK	12	7	20.95	20.95	20.94	22	0				
5	QPSK	12	13	20.92	20.93	20.96						
5	QPSK	25	0	21.00	20.96	20.93	22	0				
5	16QAM	1	0	21.00	21.02	21.00						
5	16QAM	1	12	20.98	20.91	20.99	22	0				
5	16QAM	1	24	20.99	20.96	20.99						
5	16QAM	12	0	21.00	20.97	20.91	22	0				
5	16QAM	12	7	20.94	20.90	20.95						
5	16QAM	12	13	20.94	20.95	20.96	21	1				
5	16QAM	25	0	20.95	20.94	20.95						
5	64QAM	1	0	20.89	20.93	20.94	22	0				
5	64QAM	1	12	20.96	20.93	20.88						
5	64QAM	1	24	20.92	20.96	20.97	21	1				
5	64QAM	12	0	19.97	20.00	19.98						
5	64QAM	12	7	19.96	20.02	19.97	21	1				
5	64QAM	12	13	19.97	20.00	19.96						
5	64QAM	25	0	19.95	19.92	19.87	21	1				

Band 13_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
23230										
Frequency (MHz)										
10	QPSK	1	0	24.17			25	0		
10	QPSK	1	25	24.13						
10	QPSK	1	49	23.88						
10	QPSK	25	0	23.11			24	1		
10	QPSK	25	12	22.97						
10	QPSK	25	25	23.10						
10	QPSK	50	0	22.98			24	1		
10	16QAM	1	0	23.12						
10	16QAM	1	25	22.91						
10	16QAM	1	49	23.32			23	2		
10	16QAM	25	0	22.10						
10	16QAM	25	12	21.98						
10	16QAM	25	25	22.11			23	2		
10	16QAM	50	0	22.05						
10	64QAM	1	0	22.61						
10	64QAM	1	25	22.13			22	3		
10	64QAM	1	49	22.04						
10	64QAM	25	0	21.00						
10	64QAM	25	12	20.96			22	3		
10	64QAM	25	25	21.12						
10	64QAM	50	0	21.06						
Channel										
23205 23230 23255										
Frequency (MHz)										
5	QPSK	1	0	24.13	24.10	24.04	25	0		
5	QPSK	1	12	24.08	24.05	23.98				
5	QPSK	1	24	23.86	23.84	23.72				
5	QPSK	12	0	23.07	23.03	23.02	24	1		
5	QPSK	12	7	22.81	22.87	22.94				
5	QPSK	12	13	23.01	23.06	23.00				
5	QPSK	25	0	22.82	22.88	22.85	24	1		
5	16QAM	1	0	23.09	23.00	23.05				
5	16QAM	1	12	22.85	22.89	22.79				
5	16QAM	1	24	23.28	23.20	23.19	23	2		
5	16QAM	12	0	22.07	22.02	21.94				
5	16QAM	12	7	21.96	21.97	21.83				
5	16QAM	12	13	22.09	22.10	22.05	23	2		
5	16QAM	25	0	21.96	21.89	21.95				
5	64QAM	1	12	22.00	22.02	22.04				
5	64QAM	1	24	21.91	21.88	21.91	22	2		
5	64QAM	12	0	20.98	20.93	20.91				
5	64QAM	12	7	20.86	20.88	20.90				
5	64QAM	12	13	21.04	21.09	21.08	22	3		
5	64QAM	25	0	20.96	21.01	20.99				

Band 13_Ant 31								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
23230								
Frequency (MHz)								
10	QPSK	1	0	24.16			25	0
10	QPSK	1	25	24.11				
10	QPSK	1	49	23.94				
10	QPSK	25	0	23.17			24	1
10	QPSK	25	12	22.99				
10	QPSK	25	25	23.16				
10	QPSK	50	0	23.08			24	1
10	16QAM	1	0	23.58				
10	16QAM	1	25	23.26				
10	16QAM	1	49	23.32			23	2
10	16QAM	25	0	22.04				
10	16QAM	25	12	22.08				
10	16QAM	25	25	22.17			23	2
10	16QAM	50	0	22.10				
10	64QAM	1	0	22.28				
10	64QAM	1	25	22.52			22	2
10	64QAM	1	49	22.14				
10	64QAM	25	0	20.97				
10	64QAM	25	12	21.11			22	3
10	64QAM	25	25	21.09				
10	64QAM	50	0	21.00				
Channel								
23205 23230 23255								
Frequency (MHz)								
5	QPSK	1	0	24.07	24.14	24.11	25	0
5	QPSK	1	12	24.08	24.02	24.01		
5	QPSK	1	24	23.81	23.78	23.84		
5	QPSK	12	0	23.15	23.11	23.14	24	1
5	QPSK	12	7	22.85	22.89	22.85		
5	QPSK	12	13	23.05	23.15	23.13		
5	QPSK	25	0	23.04	22.95	23.04	24	1
5	16QAM	1	0	23.30	23.55	23.51		
5	16QAM	1	12	23.18	23.19	23.19		
5	16QAM	1	24	23.25	23.22	23.28	23	2
5	16QAM	12	0	21.96	22.01	21.93		
5	16QAM	12	7	22.00	22.05	21.93		
5	16QAM	12	13	22.14	22.10	22.02	23	2
5	16QAM	25	0	21.98	21.84	22.04		
5	64QAM	1	0	22.17	22.15	22.25		
5	64QAM	1	12	22.47	22.50	22.47	23	2
5	64QAM	1	24	22.09	21.98	22.12		
5	64QAM	12	0	20.82	20.85	20.80		
5	64QAM	12	7	21.02	21.06	21.08	22	3
5	64QAM	12	13	21.05	21.02	21.01		
5	64QAM	25	0	20.89	20.99	20.92	22	3

Band 17_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				23760	23790	23800				
Frequency (MHz)				7070	710	711				
10	QPSK	1	0	23.45	23.51	23.41	24.5	0		
10	QPSK	1	25	23.41	23.49	23.37				
10	QPSK	1	49	23.38	23.47	23.39				
10	QPSK	25	0	22.94	22.98	22.85	24	0.5		
10	QPSK	25	12	22.91	22.93	22.80				
10	QPSK	25	25	22.89	22.97	22.78				
10	QPSK	50	0	22.87	22.90	22.85	24	0.5		
10	16QAM	1	0	22.92	22.90	22.82				
10	16QAM	1	25	22.88	22.89	22.76				
10	16QAM	1	49	22.87	22.90	22.85	23	1.5		
10	16QAM	25	0	21.92	21.95	21.76				
10	16QAM	25	12	21.91	21.92	21.85				
10	16QAM	25	25	21.85	21.95	21.78	23	1.5		
10	16QAM	50	0	21.90	21.97	21.81				
10	64QAM	1	0	21.85	21.96	21.85				
10	64QAM	1	25	21.91	21.88	21.81	22	1.5		
10	64QAM	1	49	21.93	21.95	21.82				
10	64QAM	25	0	20.92	20.88	20.76				
10	64QAM	25	12	20.86	20.93	20.82	22	2.5		
10	64QAM	25	25	20.93	20.97	20.80				
10	64QAM	50	0	20.90	20.96	20.81				
Channel										
				23755	23790	23825			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.43	23.44	23.43	24.5	0		
5	QPSK	1	12	23.48	23.39	23.40				
5	QPSK	1	24	23.38	23.37	23.46				
5	QPSK	12	0	22.91	22.89	22.92	24	0.5		
5	QPSK	12	7	22.87	22.90	22.80				
5	QPSK	12	13	22.91	22.96	22.88				
5	QPSK	25	0	22.87	22.82	22.87	24	0.5		
5	16QAM	1	0	22.85	22.88	22.85				
5	16QAM	1	12	22.83	22.87	22.83				
5	16QAM	1	24	22.95	22.90	22.91	23	1.5		
5	16QAM	12	0	21.89	21.87	21.91				
5	16QAM	12	7	21.82	21.83	21.80				
5	16QAM	12	13	21.94	21.88	21.87	23	1.5		
5	16QAM	25	0	21.91	21.89	21.86				
5	64QAM	1	0	21.94	21.95	21.89				
5	64QAM	1	12	21.83	21.82	21.80	23	1.5		
5	64QAM	1	24	21.85	21.94	21.87				
5	64QAM	12	0	20.84	20.83	20.86				
5	64QAM	12	7	20.95	20.92	20.87	22	2.5		
5	64QAM	12	13	20.92	20.94	20.93				
5	64QAM	25	0	20.94	20.90	20.94	22	2.5		

Band 17_Ant 31	
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Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./ Freq	Power Mod./ Ch./ Freq	Power High Ch./ Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.95	24.95	25.95			
15	QPSK	1	37	23.95	23.17	22.66			
15	QPSK	1	74	23.80	23.79	23.59			
15	QPSK	36	0	22.91	22.92	22.93			
15	QPSK	36	20	22.80	22.86	22.84			
15	QPSK	36	59	22.89	22.86	22.85			
15	QPSK	75	0	22.94	22.99	22.76			
15	16QAM	1	0	23.15	23.11	23.29			
15	16QAM	1	37	23.05	22.27	21.85			
15	16QAM	1	74	23.24	23.24	22.87			
15	16QAM	36	0	21.90	21.82	21.94			
15	16QAM	36	20	21.97	21.94	21.83			
15	16QAM	36	59	22.05	21.91	21.89			
15	16QAM	75	0	21.96	21.84	21.82			
15	64QAM	1	0	22.14	22.04	22.13			
15	64QAM	1	37	22.06	22.27	21.85			
15	64QAM	1	74	22.08	21.76	21.69			
15	64QAM	36	0	20.89	20.74	20.88			
15	64QAM	36	20	21.07	20.82	20.80			
15	64QAM	36	59	21.09	20.97	20.95			
15	64QAM	75	0	21.06	20.81	20.85			
Channel									
Frequency (MHz)				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
				810	831.5	844			
10	QPSK	1	0	23.84	23.81	23.87			
10	QPSK	1	25	23.62	23.69	23.81			
10	QPSK	1	49	23.79	23.64	23.52			
10	QPSK	25	0	22.89	22.90	22.82			
10	QPSK	25	12	22.77	22.93	22.71			
10	QPSK	25	25	22.75	22.74	22.80			
10	QPSK	50	0	22.82	22.98	22.87			
10	16QAM	1	0	23.11	23.06	23.29			
10	16QAM	1	25	23.20	23.08	22.96			
10	16QAM	1	49	23.23	23.09	22.55			
10	16QAM	25	0	21.83	21.73	21.89			
10	16QAM	25	12	21.88	21.79	21.87			
10	16QAM	25	25	21.90	21.80	21.81			
10	16QAM	50	0	21.83	21.73	21.79			
10	64QAM	1	0	21.81	21.76	21.89			
10	64QAM	1	25	22.03	22.26	21.80			
10	64QAM	1	49	21.96	21.75	21.68			
10	64QAM	25	0	20.87	20.86	20.85			
10	64QAM	25	12	20.85	20.72	20.79			
10	64QAM	25	25	20.85	20.91	20.87			
10	64QAM	50	0	20.89	20.75	20.70			
Channel									
Frequency (MHz)				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
				810.5	831.5	846.5			
5	QPSK	1	0	23.76	23.90	23.74			
5	QPSK	1	12	23.73	23.69	23.77			
5	QPSK	1	24	23.77	23.68	23.57			
5	QPSK	12	0	22.84	22.92	22.83			
5	QPSK	12	7	22.78	22.70	22.70			
5	QPSK	12	13	22.83	22.76	22.81			
5	QPSK	25	0	22.92	22.88	22.93			
5	16QAM	1	0	23.00	23.08	23.15			
5	16QAM	1	12	23.27	23.12	22.51			
5	16QAM	1	24	23.18	23.12	22.56			
5	16QAM	12	0	21.86	21.87	21.83			
5	16QAM	12	7	21.89	21.79	21.79			
5	16QAM	12	13	21.87	21.89	21.76			
5	16QAM	25	0	21.81	21.82	21.80			
5	16QAM	25	12	21.82	21.79	21.87			
5	64QAM	1	12	21.84	22.25	21.79			
5	64QAM	1	24	21.86	21.64	21.59			
5	64QAM	12	0	20.82	20.84	20.78			
5	64QAM	12	7	20.92	20.74	20.72			
5	64QAM	12	13	21.05	20.94	20.90			
5	64QAM	25	0	20.89	20.73	20.75			
Channel									
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.80	23.86	23.80			
3	QPSK	1	8	23.75	23.78	23.78			
3	QPSK	1	14	23.73	23.67	23.56			
3	QPSK	8	0	22.79	22.85	22.88			
3	QPSK	8	4	22.79	22.79	22.72			
3	QPSK	8	7	22.81	22.81	22.72			
3	QPSK	15	0	22.82	22.86	22.87			
3	16QAM	1	0	23.10	22.99	23.24			
3	16QAM	1	8	23.22	23.08	22.60			
3	16QAM	1	14	23.22	23.17	22.66			
3	16QAM	8	0	21.79	21.74	21.82			
3	16QAM	8	4	21.96	21.77	21.79			
3	16QAM	8	7	21.99	21.88	21.75			
3	16QAM	15	0	21.85	21.80	21.71			
3	64QAM	1	0	22.08	22.02	22.04			
3	64QAM	1	8	21.96	22.23	21.81			
3	64QAM	1	14	21.90	21.74	21.71			
3	64QAM	8	0	20.73	20.94	20.89			
3	64QAM	8	4	20.93	20.88	20.79			
3	64QAM	8	7	20.97	20.81	20.81			
3	64QAM	15	0	21.03	20.76	20.71			
Channel									
Frequency (MHz)				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.42	23.43	23.32			
1.4	QPSK	1	3	23.30	23.44	23.26			
1.4	QPSK	1	5	23.32	23.35	23.33			
1.4	QPSK	3	0	23.48	23.54	23.34			
1.4	QPSK	3	1	23.38	23.37	23.30			
1.4	QPSK	3	23.69	23.74	23.72				
1.4	QPSK	6	0	22.92	22.91	22.86			
1.4	16QAM	1	0	22.85	22.73	22.86			
1.4	16QAM	1	3	22.89	22.90	22.86			
1.4	16QAM	1	5	22.92	22.93	22.78			
1.4	16QAM	3	0	23.03	23.05	22.89			
1.4	16QAM	3	1	23.05	23.09	22.99			
1.4	16QAM	3	23.00	22.94	22.94				
1.4	16QAM	6	0	21.80	21.80	21.79			
1.4	64QAM	1	0	21.90	21.80	21.82			
1.4	64QAM	1	3	21.88	21.96	21.85			
1.4	64QAM	1	5	21.86	21.82	21.80			
1.4	64QAM	3	0	21.89	21.86	22.03			
1.4	64QAM	3	1	22.10	21.96	22.04			
1.4	64QAM	3	23.16	21.96	21.96				
1.4	64QAM	6	0	20.93	20.76	20.80			

Band 26_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Mod (dBm)	Power High (dBm)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.76	23.91	23.90			
15	QPSK	1	37	23.75	23.71	23.77	25	0	
15	QPSK	1	74	23.75	23.71	23.89			
15	QPSK	36	0	22.90	22.91	22.93			
15	QPSK	36	20	22.87	22.78	22.79	24	1	
15	QPSK	36	59	22.89	22.82	22.73			
15	QPSK	75	0	22.83	22.80	22.81			
15	16QAM	1	0	22.79	23.34	23.36			
15	16QAM	1	37	23.21	23.00	23.04	24	1	
15	16QAM	1	74	22.89	23.45	23.02			
15	16QAM	36	0	21.88	21.88	21.89			
15	16QAM	36	20	22.00	21.82	21.79	23	2	
15	16QAM	36	59	21.82	21.89	21.82			
15	16QAM	75	0	21.90	21.78	21.87			
15	64QAM	1	0	21.83	21.81	22.15			
15	64QAM	1	37	21.90	22.04	21.81	23	2	
15	64QAM	1	74	22.04	21.77	21.99			
15	64QAM	36	0	20.93	20.68	20.88			
15	64QAM	36	20	20.91	20.85	21.02	22	3	
15	64QAM	36	59	20.83	20.84	20.82			
15	64QAM	75	0	20.82	20.75	20.87			
Channel									
Frequency (MHz)				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
				813	831.5	844			
10	QPSK	1	0	23.81	23.79	23.78			
10	QPSK	1	25	23.70	23.65	23.62	25	0	
10	QPSK	1	49	23.71	23.63	23.76			
10	QPSK	25	0	22.74	22.76	22.69			
10	QPSK	25	12	22.74	22.66	22.73	24	1	
10	QPSK	25	25	22.87	22.80	22.71			
10	QPSK	50	0	22.71	22.86	22.65			
10	16QAM	1	0	23.11	23.30	23.31			
10	16QAM	1	25	23.19	22.97	22.99	24	1	
10	16QAM	1	49	22.83	22.73	22.87			
10	16QAM	25	0	21.73	21.77	21.74			
10	16QAM	25	12	21.86	21.67	21.78	23	2	
10	16QAM	25	25	21.74	21.81	21.77			
10	16QAM	50	0	21.88	21.74	21.85			
10	64QAM	1	0	21.80	21.71	22.02	23	2	
10	64QAM	1	25	21.84	21.96	21.71			
10	64QAM	1	49	22.01	21.75	21.88			
10	64QAM	25	0	20.85	20.57	20.85			
10	64QAM	25	12	20.85	20.77	20.90	22	3	
10	64QAM	25	25	20.79	20.69	20.99			
10	64QAM	50	0	20.66	20.72	20.83			
Channel									
Frequency (MHz)				26715	26895	27015	Tune-up limit (dBm)	MPR (dB)	
				816.5	831.5	846.5			
3	QPSK	1	0	23.44	23.37	23.48			
3	QPSK	1	12	23.66	23.57	23.64	25	0	
3	QPSK	1	24	23.71	23.60	23.69			
3	QPSK	12	0	22.79	22.75	22.69			
3	QPSK	12	6	22.86	22.87	22.87	24	1	
3	QPSK	12	13	22.78	22.72	22.68			
3	QPSK	25	0	22.76	22.85	22.70			
3	16QAM	1	0	22.76	23.31	23.34			
3	16QAM	1	12	23.10	22.91	22.92	24	1	
3	16QAM	1	24	22.84	23.40	22.93			
3	16QAM	12	0	21.78	21.77	21.83			
3	16QAM	12	6	21.96	21.89	21.86	23	2	
3	16QAM	12	13	21.70	21.81	21.70			
3	16QAM	25	0	21.75	21.75	21.80			
3	64QAM	1	0	21.72	21.75	22.14			
3	64QAM	1	12	21.89	21.89	21.69	23	2	
3	64QAM	1	24	21.89	21.63	21.96			
3	64QAM	12	0	20.62	20.61	20.69			
3	64QAM	12	6	20.75	20.75	20.76	22	3	
3	64QAM	12	13	20.69	20.72	20.89			
3	64QAM	25	0	20.71	20.66	20.77			
Channel									
Frequency (MHz)				26705	26895	27033	Tune-up limit (dBm)	MPR (dB)	
				815.5	831.5	847.5			
3	QPSK	1	0	23.74	23.80	23.77			
3	QPSK	1	8	23.62	23.60	23.74	25	0	
3	QPSK	1	16	23.60	23.56	23.68			
3	QPSK	8	0	22.82	22.82	22.73			
3	QPSK	8	4	22.72	22.70	22.70			
3	QPSK	8	7	22.73	22.80	22.70			
3	16QAM	1	0	22.76	23.24	23.29			
3	16QAM	1	8	22.71	22.93	22.93	24	1	
3	16QAM	1	16	22.76	23.27	22.92			
3	16QAM	8	0	21.74	21.88	21.86			
3	16QAM	8	4	21.85	21.75	21.73	23	2	
3	16QAM	8	7	21.75	21.88	21.73			
3	64QAM	1	0	21.78	21.77	22.03			
3	64QAM	1	8	21.76	21.96	21.71	23	2	
3	64QAM	1	16	22.00	21.65	21.98			
3	64QAM	8	0	20.60	20.59	20.63			
3	64QAM	8	4	20.86	20.78	20.99	22	3	
3	64QAM	8	7	20.75	20.83	20.85			
3	64QAM	16	0	20.63	20.62	20.82			
Channel									
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.42	23.43	23.32			
1.4	QPSK	1	3	23.40	23.44	23.26	25	0	
1.4	QPSK	1	32	23.32	23.35	23.23			
1.4	QPSK	3	0	23.48	23.54	23.34			
1.4	QPSK	3	1	23.33	23.30	23.32			
1.4	QPSK	3	3	23.35	23.33	23.17	24	1	
1.4	16QAM	1	0	22.59	22.52	22.58			
1.4	16QAM	1	3	22.56	22.48	22.47			
1.4	16QAM	1	32	22.47	22.44	22.46			
1.4	16QAM	3	0	22.76	22.79	22.58	24	1	
1.4	16QAM	3	1	22.69	22.64	22.66			
1.4	16QAM	3	3	22.55	22.57	22.57			
1.4	16QAM	6	0	21.38	21.33	21.38	23	2	
1.4	64QAM	1	0	21.57	21.42	21.37			
1.4	64QAM	1	3	21.45	21.38	21.37			
1.4	64QAM	1	32	21.57	21.45	21.40	23	2	
1.4	64QAM	3	0	21.67	21.56	21.48			
1.4	64QAM	3	1	21.60	21.58	21.61			
1.4	64QAM	3	3	21.51	21.56	21.56			
1.4	64QAM	6	0	20.45	20.36	20.36	22	3	

Band 66_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132122	132172				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	16.52	16.61	16.33		17.5	0	
20	QPSK	1	49	16.50	16.51	16.51				
20	QPSK	1	99	16.47	16.48	16.35				
20	QPSK	50	0	16.51	16.55	16.44	17.5	0		
20	QPSK	50	24	16.47	16.48	16.35				
20	QPSK	50	50	16.48	16.50	16.42				
20	QPSK	100	0	16.45	16.50	16.36	17.5	0		
20	16QAM	1	0	16.49	16.51	16.39				
20	16QAM	1	49	16.43	16.51	16.38				
20	16QAM	1	99	16.41	16.50	16.39	17.5	0		
20	16QAM	50	0	16.45	16.48	16.35				
20	16QAM	50	24	16.46	16.45	16.37				
20	16QAM	50	50	16.49	16.50	16.40	17.5	0		
20	16QAM	100	0	16.42	16.48	16.38				
20	64QAM	1	0	16.42	16.50	16.37				
20	64QAM	1	49	16.43	16.52	16.40	17.5	0		
20	64QAM	1	99	16.41	16.54	16.34				
20	64QAM	50	0	16.46	16.50	16.40	17.5	0		
20	64QAM	50	24	16.44	16.47	16.43				
20	64QAM	50	50	16.41	16.53	16.35				
20	64QAM	100	0	16.44	16.54	16.40				
Channel				132047	132122	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	16.53	16.58	16.45		17.5		
15	QPSK	1	37	16.44	16.48	16.41				
15	QPSK	1	74	16.51	16.54	16.49				
15	QPSK	36	0	16.51	16.47	16.54	17.5	0		
15	QPSK	36	20	16.38	16.47	16.42				
15	QPSK	36	39	16.47	16.49	16.45				
15	QPSK	75	0	16.41	16.42	16.44	17.5	0		
15	16QAM	1	0	16.49	16.41	16.47				
15	16QAM	1	37	16.45	16.48	16.48				
15	16QAM	1	74	16.45	16.47	16.44	17.5	0		
15	16QAM	36	0	16.45	16.41	16.39				
15	16QAM	36	20	16.39	16.40	16.41				
15	16QAM	36	39	16.46	16.44	16.43	17.5	0		
15	16QAM	75	0	16.47	16.41	16.40				
15	64QAM	1	0	16.41	16.48	16.48	17.5	0		
15	64QAM	1	37	16.43	16.50	16.49				
15	64QAM	1	74	16.46	16.46	16.52				
15	64QAM	36	0	16.40	16.48	16.49	17.5	0		
15	64QAM	36	20	16.37	16.41	16.43				
15	64QAM	36	39	16.43	16.40	16.43				
15	64QAM	75	0	16.50	16.49	16.49				
Channel				132022	132122	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	16.60	16.57	16.59		17.5		
10	QPSK	1	25	16.46	16.43	16.46				
10	QPSK	1	49	16.57	16.57	16.48				
10	QPSK	25	0	16.50	16.54	16.46	17.5	0		
10	QPSK	25	12	16.44	16.40	16.39				
10	QPSK	25	25	16.40	16.48	16.41				
10	QPSK	50	0	16.43	16.44	16.42	17.5	0		
10	16QAM	1	0	16.44	16.46	16.47				
10	16QAM	1	25	16.46	16.46	16.44				
10	16QAM	1	49	16.44	16.48	16.43	17.5	0		
10	16QAM	25	0	16.48	16.40	16.38				
10	16QAM	25	12	16.41	16.40	16.42				
10	16QAM	25	25	16.42	16.42	16.40	17.5	0		
10	16QAM	50	0	16.40	16.46	16.41				
10	16QAM	1	0	16.46	16.42	16.42				
10	64QAM	1	25	16.46	16.45	16.49	17.5	0		
10	64QAM	1	49	16.53	16.44	16.50				
10	64QAM	25	0	16.46	16.41	16.49				
10	64QAM	25	12	16.45	16.41	16.41	17.5	0		
10	64QAM	25	25	16.48	16.49	16.52				
10	64QAM	50	0	16.44	16.45	16.45				
Channel				131997	132122	132617	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	16.58	16.59	16.58		17.5		
5	QPSK	1	12	16.47	16.50	16.44				
5	QPSK	1	24	16.56	16.50	16.50				
5	QPSK	12	0	16.45	16.48	16.50	17.5	0		
5	QPSK	12	7	16.39	16.39	16.47				
5	QPSK	12	13	16.41	16.44	16.47				
5	QPSK	25	0	16.47	16.40	16.48	17.5	0		
5	16QAM	1	0	16.50	16.41	16.47				
5	16QAM	1	12	16.49	16.48	16.49				
5	16QAM	1	24	16.40	16.42	16.41	17.5	0		
5	16QAM	12	0	16.41	16.41	16.40				
5	16QAM	12	7	16.44	16.41	16.36				
5	16QAM	12	13	16.40	16.41	16.42	17.5	0		
5	16QAM	25	0	16.44	16.38	16.45				
5	64QAM	1	0	16.42	16.40	16.40	17.5	0		
5	64QAM	1	12	16.50	16.48	16.49				
5	64QAM	1	24	16.52	16.47	16.44				
5	64QAM	12	0	16.45	16.44	16.41	17.5	0		
5	64QAM	12	7	16.41	16.39	16.43				
5	64QAM	12	13	16.45	16.51	16.52				
5	64QAM	25	0	16.47	16.40	16.49				
Channel				131997	132122	132617	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	16.53	16.60	16.59		17.5		
3	QPSK	1	8	16.42	16.44	16.42				
3	QPSK	1	14	16.56	16.53	16.50				
3	QPSK	8	0	16.51	16.52	16.48	17.5	0		
3	QPSK	8	4	16.40	16.40	16.43				
3	QPSK	8	7	16.41	16.40	16.42				
3	QPSK	15	0	16.41	16.42	16.49	17.5	0		
3	16QAM	1	0	16.45	16.48	16.47				
3	16QAM	1	8	16.42	16.44	16.46				
3	16QAM	1	14	16.44	16.47	16.47	17.5	0		
3	16QAM	8	0	16.38	16.46	16.47				
3	16QAM	8	4	16.42	16.39	16.36				
3	16QAM	8	7	16.40	16.40	16.44	17.5	0		
3	16QAM	15	0	16.40	16.45	16.42				
3	64QAM	1	0	16.42	16.47	16.48				
3	64QAM	1	8	16.50	16.50	16.46	17.5	0		
3	64QAM	1	14	16.48	16.49	16.51				
3	64QAM	8	0	16.48	16.40	16.45				
3	64QAM	8	4	16.39	16.41	16.40	17.5	0		
3	64QAM	8	7	16.44	16.51	16.52				
3	64QAM	15	0	16.48	16.47	16.49				
Channel				131979	132122	132665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	16.60	16.56	16.51		17.5		
1.4	QPSK	1	3	16.45	16.44	16.47				
1.4	QPSK	1	5	16.57	16.51	16.50				
1.4	QPSK	3	0	16.46	16.48	16.50	17.5	0		
1.4	QPSK	3	1	16.45	16.47	16.41				
1.4	QPSK	3	3	16.45	16.41	16.42				
1.4	QPSK	6	0	16.44	16.48	16.47	17.5	0		
1.4	16QAM	1	0	16.45	16.42	16.41				
1.4	16QAM	1	3	16.45	16.40	16.46	17.5	0		
1.4	16QAM	3	1	16.45	16.39	16.38				
1.4	16QAM	3	3	16.41	16.39	16.31				
1.4	16QAM	6	0	16.42	16.43	16.42	17.5	0		
1.4	64QAM	1	0	16.49	16.43	16.47				
1.4	64QAM	1	3	16.47	16.44	16.44				
1.4	64QAM	1	5	16.51	16.50	16.49	17.5	0		
1.4	64QAM	3	0	16.43	16.43	16.42				
1.4	64QAM	3	1	16.43	16.38	16.42				
1.4	64QAM	6	0	16.48	16.46	16.45	17.5	0		
1.4	64QAM	6	3	16.46	16.48	16.51				
1.4	64QAM	6	5	16.48	16.45	16.48				

Band 38_Ant 13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	14.51	14.51	14.53	15.5	0				
20	QPSK	1	49	14.45	14.51	14.53						
20	QPSK	1	99	14.47	14.50	14.48						
20	QPSK	50	0	14.47	14.56	14.49						
20	QPSK	50	50	14.42	14.52	14.41						
20	QPSK	50	50	14.39	14.47	14.43	15.5	0				
20	QPSK	100	0	14.38	14.53	14.38						
20	16QAM	1	0	14.46	14.51	14.37						
20	16QAM	1	49	14.37	14.49	14.45						
20	16QAM	1	99	14.43	14.50	14.42						
20	16QAM	50	0	14.41	14.55	14.39	15.5	0				
20	16QAM	50	24	14.30	14.46	14.36						
20	16QAM	50	50	14.41	14.49	14.36						
20	16QAM	100	0	14.43	14.51	14.41						
20	64QAM	1	0	14.44	14.50	14.45						
20	64QAM	1	49	14.42	14.50	14.42	15.5	0				
20	64QAM	1	99	14.39	14.51	14.39						
20	64QAM	50	0	14.41	14.53	14.42						
20	64QAM	50	24	14.41	14.46	14.36						
20	64QAM	50	50	14.41	14.51	14.44						
20	64QAM	100	0	14.37	14.46	14.44	15.5	0				
Channel												
Frequency (MHz)				2572.5	2595	2617.5				Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	14.51	14.55	14.54	15.5	0				
15	QPSK	1	37	14.47	14.46	14.46						
15	QPSK	1	74	14.48	14.48	14.47						
15	QPSK	36	0	14.54	14.53	14.50						
15	QPSK	36	20	14.45	14.49	14.42						
15	QPSK	36	39	14.38	14.42	14.38	15.5	0				
15	QPSK	75	0	14.45	14.44	14.48						
15	16QAM	1	0	14.43	14.45	14.48						
15	16QAM	1	37	14.44	14.39	14.39						
15	16QAM	1	74	14.45	14.49	14.42						
15	16QAM	36	0	14.45	14.53	14.53	15.5	0				
15	16QAM	36	20	14.39	14.36	14.41						
15	16QAM	36	39	14.39	14.43	14.48						
15	16QAM	75	0	14.42	14.48	14.47						
15	64QAM	1	0	14.49	14.46	14.46						
15	64QAM	1	37	14.47	14.44	14.44	15.5	0				
15	64QAM	1	74	14.46	14.43	14.48						
15	64QAM	36	0	14.44	14.51	14.49						
15	64QAM	36	20	14.41	14.43	14.45						
15	64QAM	36	39	14.44	14.47	14.48						
15	64QAM	75	0	14.39	14.46	14.45	15.5	0				
Channel												
Frequency (MHz)				2575	2595 <th>2615<td>Time-up limit (dBm)</td><td>MPR (dB)</td><td></td></th>	2615 <td>Time-up limit (dBm)</td> <td>MPR (dB)</td> <td></td>				Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	14.48	14.48	14.52	15.5	0				
10	QPSK	1	25	14.42	14.50	14.43						
10	QPSK	1	49	14.47	14.42	14.40						
10	QPSK	25	0	14.48	14.50	14.46						
10	QPSK	25	12	14.44	14.44	14.50						
10	QPSK	25	25	14.37	14.46	14.42	15.5	0				
10	QPSK	50	0	14.50	14.47	14.52						
10	16QAM	1	0	14.50	14.44	14.46						
10	16QAM	1	25	14.43	14.45	14.41						
10	16QAM	1	49	14.42	14.45	14.49						
10	16QAM	25	0	14.53	14.45	14.46	15.5	0				
10	16QAM	25	12	14.41	14.44	14.41						
10	16QAM	25	25	14.42	14.47	14.45						
10	16QAM	50	0	14.42	14.42	14.46						
10	64QAM	1	0	14.41	14.46	14.47						
10	64QAM	1	25	14.47	14.45	14.47	15.5	0				
10	64QAM	1	49	14.44	14.45	14.49						
10	64QAM	25	0	14.51	14.49	14.46						
10	64QAM	25	12	14.41	14.40	14.44						
10	64QAM	25	25	14.50	14.50	14.47						
10	64QAM	50	0	14.38	14.45	14.43	15.5	0				
Channel												
Frequency (MHz)				2572.5	2595	2617.5 <td>Time-up limit (dBm)</td> <td>MPR (dB)</td> <td></td>				Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	14.55	14.49	14.52	15.5	0				
5	QPSK	1	12	14.47	14.42	14.45						
5	QPSK	1	24	14.42	14.47	14.41						
5	QPSK	12	0	14.50	14.50	14.51						
5	QPSK	12	7	14.43	14.47	14.43						
5	QPSK	12	13	14.42	14.38	14.46	15.5	0				
5	QPSK	25	0	14.45	14.47	14.48						
5	16QAM	1	0	14.42	14.50	14.41						
5	16QAM	1	12	14.41	14.47	14.47						
5	16QAM	1	24	14.43	14.40	14.45						
5	16QAM	12	0	14.51	14.49	14.45	15.5	0				
5	16QAM	12	7	14.40	14.39	14.44						
5	16QAM	12	13	14.43	14.44	14.42						
5	16QAM	25	0	14.49	14.49	14.47						
5	64QAM	1	0	14.48	14.48	14.42						
5	64QAM	1	12	14.46	14.46	14.42	15.5	0				
5	64QAM	1	24	14.46	14.42	14.50						
5	64QAM	12	0	14.51	14.44	14.52						
5	64QAM	12	7	14.39	14.37	14.43						
5	64QAM	12	13	14.43	14.46	14.44						
5	64QAM	25	0	14.45	14.44	14.41	15.5	0				

Band 38_Ant 31									
BW [MHz]	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)				2580	2595	2610			
20	QPSK	1	0	23.49	23.65	23.57	24.5	0	
20	QPSK	1	49	23.43	23.46	23.57			
20	QPSK	1	99	23.44	23.56	23.52			
20	QPSK	50	0	22.70	22.79	22.73	23.5	1	
20	QPSK	50	24	22.66	22.62	22.62			
20	QPSK	50	50	22.54	22.62	22.58			
20	QPSK	100	0	22.71	22.77	22.52	23.5	1	
20	16QAM	1	0	22.71	22.42	22.43			
20	16QAM	1	49	22.85	22.81	22.70			
20	16QAM	1	99	22.54	23.03	22.84	22.5	2	
20	16QAM	50	0	21.57	21.48	21.43			
20	16QAM	50	24	21.80	21.61	21.70			
20	16QAM	50	50	21.72	21.74	21.73	21.5	3	
20	16QAM	100	0	21.65	21.62	21.82			
20	64QAM	1	0	21.82	22.01	21.13			
20	64QAM	1	49	21.52	21.87	21.65	22.5	2	
20	64QAM	1	99	21.60	21.72	21.52			
20	64QAM	50	0	20.57	20.52	20.55			
20	64QAM	50	24	20.67	20.58	20.69	21.5	3	
20	64QAM	50	50	20.78	20.84	20.71			
20	64QAM	100	0	20.76	20.60	20.49			
Channel									
Frequency (MHz)				37625 <th>38000<th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38175 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.37	23.50	23.56	24.5	0	
15	QPSK	1	37	23.30	23.31	23.56			
15	QPSK	1	74	23.30	23.47	23.43			
15	QPSK	36	0	22.54	22.66	22.63	23.5	1	
15	QPSK	36	20	22.52	22.51	22.61			
15	QPSK	36	39	22.49	22.54	22.52			
15	QPSK	75	0	22.60	22.63	22.46	23.5	1	
15	16QAM	1	0	22.57	22.30	22.31			
15	16QAM	1	37	22.83	22.71	22.83			
15	16QAM	1	74	22.47	22.87	22.83	22.5	2	
15	16QAM	36	0	21.47	21.45	21.35			
15	16QAM	36	20	21.74	21.54	21.65			
15	16QAM	36	39	21.63	21.73	21.65	21.5	2	
15	16QAM	75	0	21.58	21.58	21.61			
15	16QAM	1	0	21.67	21.53	21.61			
15	16QAM	1	37	21.75	21.63	21.59	22.5	2	
15	16QAM	1	74	21.59	21.67	21.42			
15	16QAM	36	0	20.48	20.47	20.42			
15	16QAM	36	20	20.59	20.53	20.58	21.5	3	
15	16QAM	36	39	20.71	20.69	20.66			
15	16QAM	75	0	20.66	20.50	20.48			
Channel									
Frequency (MHz)				37675 <th>38000<th>38225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38225 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.46	23.63	23.53	24.5	0	
10	QPSK	1	25	23.28	23.34	23.52			
10	QPSK	1	49	23.28	23.43	23.54			
10	QPSK	25	0	22.66	22.73	22.64	23.5	1	
10	QPSK	12	23	22.62	22.65	22.58			
10	QPSK	25	25	22.53	22.47	22.50			
10	QPSK	50	0	22.70	22.64	22.42	23.5	1	
10	16QAM	1	0	22.68	22.33	22.38			
10	16QAM	1	25	22.72	22.72	22.60			
10	16QAM	1	49	22.49	22.49	22.74	22.5	2	
10	16QAM	25	0	21.42	21.32	21.28			
10	16QAM	25	12	21.71	21.50	21.64			
10	16QAM	25	25	21.64	21.68	21.52	21.5	3	
10	16QAM	50	0	21.64	21.51	21.52			
10	64QAM	1	0	21.66	21.66	21.58			
10	64QAM	1	25	21.37	21.78	21.51	22.5	2	
10	64QAM	1	49	21.59	21.66	21.44			
10	64QAM	25	0	20.48	20.50	20.42			
10	64QAM	25	12	20.52	20.51	20.62	21.5	3	
10	64QAM	25	25	20.60	20.58	20.60			
10	64QAM	50	0	20.71	20.52	20.38			
Channel									
Frequency (MHz)				37775 <th>38000<th>38225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38225 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.33	23.55	23.48	24.5	0	
5	QPSK	1	12	23.30	23.37	23.41			
5	QPSK	1	24	23.31	23.52	23.42			
5	QPSK	12	0	22.62	22.65	22.58	23.5	1	
5	QPSK	12	7	22.63	22.46	22.58			
5	QPSK	12	13	22.60	22.49	22.48			
5	QPSK	25	0	22.67	22.61	22.42	23.5	1	
5	16QAM	1	0	22.57	22.28	22.30			
5	16QAM	1	12	22.49	22.65	22.57			
5	16QAM	1	24	22.45	22.87	22.74	22.5	2	
5	16QAM	12	0	21.56	21.41	21.35			
5	16QAM	12	7	21.77	21.55	21.51			
5	16QAM	12	13	21.65	21.63	21.59	21.5	2	
5	16QAM	25	0	21.07	21.07	21.48			
5	64QAM	1	0	21.07	21.97	21.03			
5	64QAM	1	12	21.42	21.83	21.53	22.5	2	
5	64QAM	1	24	21.57	21.65	21.51			
5	64QAM	12	0	20.52	20.46	20.51			
5	64QAM	12	7	20.58	20.58	20.53	21.5	3	
5	64QAM	12	13	20.77	20.82	20.70			
5	64QAM	25	0	20.75	20.58	20.34			



Band 41_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)				39750	40185	40620	41055	41400		
20				254.5	254.5	254.5	254.5	254.5		
20	QPSK	1	0	15.57	15.56	15.56	15.56	15.56	16.5	0
20	QPSK	1	49	15.55	15.48	15.56	15.48	15.50		
20	QPSK	1	99	15.52	15.55	15.60	15.47	15.53		
20	QPSK	50	0	15.55	15.47	15.63	15.54	15.56		
20	QPSK	50	24	15.53	15.38	15.62	15.51	15.50		
20	QPSK	50	50	15.48	15.42	15.56	15.48	15.47	16.5	0
20	QPSK	100	0	15.52	15.40	15.56	15.47	15.48		
20	16QAM	1	0	15.46	15.40	15.82	15.52	15.47		
20	16QAM	1	49	15.47	15.42	15.58	15.44	15.49		
20	16QAM	1	99	15.48	15.39	15.82	15.50	15.55		
20	16QAM	50	0	15.46	15.45	15.54	15.48	15.50	16.5	0
20	16QAM	50	24	15.52	15.43	15.53	15.49	15.55		
20	16QAM	50	50	15.45	15.43	15.59	15.47	15.48		
20	16QAM	100	0	15.48	15.37	15.55	15.52	15.54		
20	64QAM	1	0	15.53	15.45	15.57	15.51	15.54		
20	64QAM	1	49	15.50	15.40	15.53	15.52	15.52	16.5	0
20	64QAM	1	99	15.51	15.45	15.55	15.45	15.51		
20	64QAM	50	0	15.53	15.45	15.82	15.45	15.52		
20	64QAM	50	24	15.54	15.37	15.56	15.48	15.53		
20	64QAM	50	50	15.45	15.41	15.58	15.47	15.46		
20	64QAM	100	0	15.45	15.40	15.58	15.48	15.47		
Channel										
Frequency (MHz)				26015	25643	2590	26037	26025		
15	QPSK	1	0	15.57	15.60	15.58	15.63	15.62	16.5	0
15	QPSK	1	37	15.53	15.49	15.46	15.49	15.51		
15	QPSK	1	74	15.50	15.55	15.58	15.52	15.54		
15	QPSK	36	0	15.59	15.60	15.55	15.60	15.61		
15	QPSK	36	20	15.58	15.56	15.56	15.59	15.59		
15	QPSK	36	39	15.52	15.52	15.55	15.46	15.54	16.5	0
15	QPSK	75	0	15.47	15.51	15.46	15.48	15.52		
15	16QAM	1	0	15.55	15.54	15.54	15.61	15.53		
15	16QAM	1	37	15.51	15.55	15.54	15.48	15.50		
15	16QAM	1	74	15.54	15.56	15.57	15.58	15.61		
15	16QAM	36	0	15.53	15.52	15.47	15.48	15.50	16.5	0
15	16QAM	36	20	15.54	15.55	15.49	15.51	15.45		
15	16QAM	36	39	15.52	15.52	15.49	15.45	15.51		
15	16QAM	75	0	15.54	15.54	15.53	15.47	15.49		
15	64QAM	1	0	15.54	15.51	15.55	15.48	15.45		
15	64QAM	1	37	15.49	15.51	15.52	15.49	15.45	16.5	0
15	64QAM	1	74	15.50	15.49	15.46	15.54	15.50		
15	64QAM	36	0	15.54	15.56	15.52	15.61	15.55		
15	64QAM	36	20	15.53	15.53	15.47	15.47	15.54		
15	64QAM	36	39	15.54	15.56	15.54	15.55	15.49		
15	64QAM	75	0	15.50	15.54	15.50	15.52	15.49		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41410		
20				2501	2547	2593	2630	2685		
10	QPSK	1	0	15.60	15.65	15.57	15.59	15.65	16.5	0
10	QPSK	1	25	15.48	15.50	15.55	15.49	15.51		
10	QPSK	1	49	15.48	15.53	15.56	15.53	15.56		
10	QPSK	25	0	15.59	15.60	15.55	15.56	15.61		
10	QPSK	25	12	15.60	15.58	15.58	15.57	15.57		
10	QPSK	25	25	15.50	15.48	15.54	15.51	15.54	16.5	0
10	QPSK	50	0	15.53	15.49	15.48	15.49	15.47		
10	16QAM	1	0	15.57	15.60	15.54	15.58	15.56		
10	16QAM	1	25	15.51	15.56	15.52	15.53	15.50		
10	16QAM	1	49	15.52	15.52	15.53	15.53	15.57		
10	16QAM	25	0	15.50	15.48	15.50	15.44	15.46	16.5	0
10	16QAM	25	12	15.52	15.43	15.45	15.43	15.47		
10	16QAM	25	25	15.52	15.51	15.56	15.53	15.53		
10	16QAM	50	0	15.47	15.52	15.48	15.48	15.53		
10	64QAM	1	0	15.49	15.49	15.55	15.52	15.54		
10	64QAM	1	25	15.48	15.43	15.44	15.43	15.49	16.5	0
10	64QAM	1	49	15.44	15.48	15.45	15.52	15.46		
10	64QAM	25	0	15.56	15.55	15.58	15.54	15.56		
10	64QAM	25	12	15.48	15.49	15.51	15.49	15.53		
10	64QAM	25	25	15.57	15.53	15.57	15.55	15.50		
10	64QAM	50	0	15.56	15.54	15.57	15.49	15.56		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
20				2497.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	15.62	15.62	15.59	15.58	15.64	16.5	0
5	QPSK	1	12	15.48	15.54	15.46	15.54	15.46		
5	QPSK	1	24	15.57	15.57	15.54	15.55	15.50		
5	QPSK	12	0	15.53	15.58	15.61	15.53	15.61		
5	QPSK	12	7	15.60	15.61	15.54	15.55	15.54		
5	QPSK	12	13	15.46	15.51	15.53	15.48	15.47	16.5	0
5	QPSK	25	0	15.55	15.47	15.46	15.50	15.49		
5	16QAM	1	0	15.61	15.53	15.57	15.58	15.52		
5	16QAM	1	12	15.51	15.51	15.57	15.57	15.48		
5	16QAM	1	24	15.54	15.56	15.57	15.53	15.60		
5	16QAM	12	0	15.45	15.49	15.52	15.45	15.53	16.5	0
5	16QAM	12	7	15.52	15.47	15.52	15.50	15.51		
5	16QAM	12	13	15.57	15.51	15.57	15.55	15.51		
5	16QAM	25	0	15.50	15.54	15.49	15.45	15.46		
5	64QAM	1	0	15.56	15.50	15.50	15.47	15.50		
5	64QAM	1	12	15.47	15.45	15.45	15.50	15.50	16.5	0
5	64QAM	1	24	15.44	15.47	15.44	15.51	15.44		
5	64QAM	12	0	15.53	15.53	15.52	15.52	15.55		
5	64QAM	12	7	15.48	15.54	15.53	15.49	15.47		
5	64QAM	12	13	15.54	15.57	15.52	15.55	15.53		
5	64QAM	25	0	15.57	15.53	15.55	15.57	15.52		

Band 41_Ant 31										
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										
Frequency (MHz)				39750	40165	40620	41055	41490		
20	QPSK	1	0	23.19	23.45	23.72	23.55	23.81	24.5	0
20	QPSK	1	49	23.19	23.40	23.55	23.48	23.49		
20	QPSK	1	99	23.22	23.32	23.45	23.38	23.56		
20	QPSK	50	0	22.60	22.66	22.70	22.57	22.66		
20	QPSK	50	24	22.55	22.58	22.59	22.54	22.51		
20	QPSK	50	50	22.59	22.82	22.59	22.55	22.65	23.5	1
20	QPSK	100	0	22.47	22.81	22.69	22.45	22.52		
20	16QAM	1	0	22.06	22.54	22.51	22.26	22.48		
20	16QAM	1	49	22.31	22.63	22.56	22.37	22.23		
20	16QAM	1	99	22.31	22.33	22.86	22.42	22.55		
20	16QAM	50	0	21.41	21.52	21.59	21.55	21.60	22.5	2
20	16QAM	50	24	21.50	21.62	21.59	21.54	21.58		
20	16QAM	50	50	21.51	21.46	21.69	21.52	21.67		
20	16QAM	100	0	21.51	21.48	21.63	21.31	21.54		
20	64QAM	1	0	21.27	21.57	21.35	21.88	21.35		
20	64QAM	1	49	21.45	21.50	21.43	21.51	21.30	22.5	2
20	64QAM	1	99	21.09	21.51	21.78	21.34	21.72		
20	64QAM	50	0	20.48	20.53	20.44	20.41	20.54		
20	64QAM	50	24	20.50	20.60	20.58	20.49	20.55		
20	64QAM	50	50	20.41	20.50	20.63	20.63	20.71		
20	64QAM	100	0	20.46	20.59	20.58	20.50	20.61		
Channel										
Frequency (MHz)				26035	26438	25993	26373	26625 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.15	23.24	23.67	23.35	23.45	24.5	0
15	QPSK	1	37	23.15	23.24	23.48	23.33	23.41		
15	QPSK	1	74	23.07	23.30	23.42	23.27	23.48		
15	QPSK	36	0	22.57	22.63	22.63	22.41	22.53		
15	QPSK	36	20	22.44	22.52	22.54	22.34	22.44		
15	QPSK	36	39	22.51	22.59	22.55	22.38	22.63	23.5	1
15	QPSK	75	0	22.37	22.51	22.55	22.38	22.39		
15	16QAM	1	0	22.01	22.49	22.48	22.21	22.39		
15	16QAM	1	37	22.18	22.48	22.54	22.31	22.14		
15	16QAM	1	74	22.17	22.26	22.98	22.41	22.23		
15	16QAM	36	0	21.58	21.51	21.54	21.42	21.58	22.5	2
15	16QAM	36	20	21.44	21.58	21.54	21.42	21.42		
15	16QAM	36	39	21.37	21.40	21.63	21.47	21.65		
15	16QAM	75	0	21.48	21.46	21.48	21.18	21.43		
15	16QAM	1	21	21.16	21.24	21.24	21.21	21.28		
15	64QAM	1	37	21.35	21.37	21.37	21.13	21.28	22.5	2
15	64QAM	1	74	20.98	21.37	21.72	21.22	21.62		
15	64QAM	36	0	20.37	20.37	20.40	20.34	20.38		
15	64QAM	36	20	20.43	20.47	20.48	20.34	20.49		
15	64QAM	36	39	20.27	20.39	20.80	20.54	20.67		
15	64QAM	75	0	20.34	20.51	20.45	20.45	20.57		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41565 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	2501	2547	2593	2630	2665	24.5	0
10	QPSK	1	0	23.18	23.33	23.56	23.45	23.52		
10	QPSK	1	25	23.16	23.25	23.44	23.33	23.36		
10	QPSK	1	49	23.16	23.29	23.41	23.24	23.35		
10	QPSK	25	0	22.46	22.52	22.52	22.34	22.57		
10	QPSK	25	12	22.53	22.48	22.53	22.39	22.47		
10	QPSK	25	25	22.55	22.48	22.50	22.40	22.63	23.5	1
10	QPSK	50	0	22.33	22.48	22.54	22.39	22.36		
10	16QAM	1	0	21.97	22.45	22.49	22.21	22.39		
10	16QAM	1	25	22.19	22.54	22.52	22.26	22.29		
10	16QAM	1	49	22.15	22.19	22.19	22.38	22.46		
10	16QAM	25	0	21.27	21.40	21.52	21.54	21.57	22.5	2
10	16QAM	25	12	21.36	21.48	21.45	21.43	21.56		
10	16QAM	25	25	21.48	21.32	21.68	21.48	21.64		
10	16QAM	50	0	21.46	21.39	21.59	21.29	21.50		
10	16QAM	1	0	21.11	21.56	21.31	21.74	21.30		
10	64QAM	1	25	21.39	21.48	21.38	21.38	21.20	22.5	2
10	64QAM	1	49	20.98	21.48	21.66	21.20	21.69		
10	64QAM	25	0	20.40	20.41	20.29	20.33	20.49	21.5	3
10	64QAM	25	12	20.41	20.50	20.56	20.34	20.54		
10	64QAM	25	25	20.33	20.40	20.47	20.38	20.67		
10	64QAM	50	0	20.40	20.48	20.45	20.35	20.60		
10	64QAM	50	20	20.40	20.40	20.45	20.35	20.60		
Channel										
Frequency (MHz)				24985 <td>2545.8</td> <td>40860</td> <td>41083</td> <td>41565</td> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	2545.8	40860	41083	41565	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.16	23.44	23.59	23.40	23.68	24.5	0
5	QPSK	1	12	23.16	23.37	23.51	23.43	23.68		
5	QPSK	1	24	23.20	23.31	23.41	23.34	23.68		
5	QPSK	12	0	22.50	22.64	22.65	22.55	22.60		
5	QPSK	12	7	22.50	22.44	22.54	22.48	22.56		
5	QPSK	12	13	22.48	22.61	22.52	22.49	22.59	23.5	1
5	QPSK	25	0	22.40	22.51	22.62	22.42	22.45		
5	16QAM	1	0	21.99	22.46	22.43	22.25	22.33		
5	16QAM	1	12	22.20	22.57	22.43	22.43	22.15		
5	16QAM	1	24	22.23	22.31	22.74	22.35	22.42		
5	16QAM	12	0	21.26	21.41	21.48	21.53	21.57	22.5	2
5	16QAM	12	7	21.34	21.46	21.43	21.40	21.41		
5	16QAM	12	13	21.40	21.42	21.63	21.41	21.54		
5	16QAM	25	0	21.46	21.46	21.34	21.24	21.44		
5	64QAM	1	0	21.23	21.56	21.29	21.75	21.32		
5	64QAM	1	12	21.37	21.39	21.37	21.36	21.21	22.5	2
5	64QAM	1	24	20.96	21.37	21.69	21.27	21.67		
5	64QAM	12	0	20.36	20.51	20.32	20.34	20.52		
5	64QAM	12	7	20.37	20.47	20.47	20.44	20.44		
5	64QAM	12	13	20.27	20.47	20.77	20.49	20.66	21.5	3
5	64QAM	25	0	20.33	20.41	20.42	20.49	20.46		

Reduced Power Mode for DS110

GSM850_Ant.13	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	834.4	844.8		824.2	834.4	844.8	
GSM 1 Tx slot		32.65	32.92	32.78	33.50	23.65	23.92	23.78
GPRS/EDGE GMSK 1 Tx slot		32.63	32.90	32.74	33.50	23.63	23.90	23.74
GPRS/EDGE GMSK 2 Tx slots		30.33	30.53	30.45	31.50	24.33	24.53	24.45
GPRS/EDGE GMSK 3 Tx slots		28.36	28.89	28.01	29.50	24.10	24.63	23.75
GPRS/EDGE GMSK 4 Tx slots		27.17	27.40	27.22	28.30	24.17	24.40	24.22
EDGE BPSK 1 Tx slot		26.86	26.79	26.80	28.00	17.86	17.79	17.80
EDGE BPSK 2 Tx slots		25.12	25.01	25.02	26.00	19.12	19.01	19.02
EDGE BPSK 3 Tx slots		22.97	23.01	23.05	24.00	18.71	18.75	18.79
EDGE BPSK 4 Tx slots		21.52	21.56	21.63	22.50	18.56	18.63	19.50

GSM1900_Ant.13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)	1850.2	1860	1860	1809.6	1850.2	1860	1809.6	
GSM 1 Tx slot		26.89	26.78	27.07	27.50	17.99	17.78	18.07
GPRS/EDGE GMSK 1 Tx slot		26.98	26.77	27.05	27.50	17.98	17.77	18.05
GPRS/EDGE GMSK 2 Tx slots		23.93	23.96	23.95	25.50	17.93	17.96	17.95
GPRS/EDGE GMSK 3 Tx slots		22.26	22.20	22.19	23.50	18.00	17.94	17.93
GPRS/EDGE GMSK 4 Tx slots		20.92	20.97	20.95	22.00	17.92	17.97	17.95
EDGE BPSK 1 Tx slot		26.12	26.39	26.01	27.00	17.12	17.39	17.01
EDGE BPSK 2 Tx slots		24.30	24.24	24.36	25.00	18.30	18.24	18.36
EDGE BPSK 3 Tx slots		22.37	22.31	22.30	23.00	18.11	18.05	18.04
EDGE BPSK 4 Tx slots		20.56	20.51	20.52	21.50	17.56	17.51	17.52

Band	WCDMA V_Ant.13			Tune-up Limit (dBm)	WCDMA E_Ant.31			Tune-up Limit (dBm)
	TX Channel	9262	9400	9638	9262	9400	9638	
Rx Channel		9662	9800	9938	9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	1852.4	1880	1907.6	
3GPP Rel.99	AMR 12.2Kbps	15.91	15.95	15.89	16.50	20.40	20.42	20.36
3GPP Rel.99	RM-C 12.2Kbps	15.95	15.98	15.93	16.50	20.41	20.44	20.39
3GPP Rel.6	HSDPA Subtest-1	14.85	14.78	14.78	16.00	19.33	19.35	19.28
3GPP Rel.6	HSDPA Subtest-2	14.88	14.80	14.83	16.00	19.43	19.37	19.33
3GPP Rel.6	HSDPA Subtest-3	14.36	14.24	14.23	15.50	18.87	18.78	18.90
3GPP Rel.6	HSDPA Subtest-4	14.41	14.32	14.25	15.50	18.90	18.81	18.90
3GPP Rel.6	DC-HSDPA Subtest-1	14.74	14.64	14.69	16.00	19.36	19.28	19.19
3GPP Rel.6	DC-HSDPA Subtest-2	14.82	14.61	14.68	16.00	19.34	19.27	19.26
3GPP Rel.6	DC-HSDPA Subtest-3	14.37	14.30	14.18	15.50	18.71	18.64	18.73
3GPP Rel.6	DC-HSDPA Subtest-4	14.25	14.19	14.19	15.50	18.94	18.75	18.76
3GPP Rel.6	HS-UPA Subtest-1	14.84	14.83	14.77	16.00	19.40	19.41	19.36
3GPP Rel.6	HS-UPA Subtest-2	12.77	12.77	12.87	14.00	17.36	17.40	17.36
3GPP Rel.6	HS-UPA Subtest-3	13.82	13.83	13.81	15.00	18.29	18.33	18.31
3GPP Rel.6	HS-UPA Subtest-4	12.88	12.81	12.78	14.00	17.32	17.34	17.29
3GPP Rel.6	HS-UPA Subtest-5	14.79	14.74	14.74	16.00	19.40	19.34	19.26
3GPP Rel.7	HSPA+ (16QAM) Subtest-1	13.79	13.75	13.71	15.00	18.31	18.50	18.26

Band	WCDMA V_Ant.13			Tune-up Limit (dBm)	WCDMA V_Ant.31			Tune-up Limit (dBm)
	TX Channel	4132	4182	4233	4132	4182	4233	
Rx Channel		4357	4407	4458	4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	826.4	836.4	846.6	
3GPP Rel.99	AMR 12.2Kbps	24.33	24.38	24.36	25.00	24.25	24.37	24.35
3GPP Rel.99	RM-C 12.2Kbps	24.35	24.40	24.37	25.00	24.27	24.39	24.38
3GPP Rel.6	HSDPA Subtest-1	23.52	23.61	23.58	24.50	23.46	23.53	23.57
3GPP Rel.6	HSDPA Subtest-2	23.54	23.57	23.59	24.50	23.47	23.54	23.54
3GPP Rel.6	HSDPA Subtest-3	22.99	23.08	23.08	24.00	22.94	22.97	23.10
3GPP Rel.6	HSDPA Subtest-4	23.02	23.09	23.08	24.00	22.94	23.00	23.05
3GPP Rel.6	DC-HSDPA Subtest-1	23.39	23.54	23.55	24.50	23.45	23.47	23.56
3GPP Rel.6	DC-HSDPA Subtest-2	23.50	23.41	23.48	24.50	23.45	23.47	23.53
3GPP Rel.6	DC-HSDPA Subtest-3	22.97	22.96	23.00	24.00	22.83	22.89	22.95
3GPP Rel.6	DC-HSDPA Subtest-4	22.99	22.96	22.99	24.00	22.81	22.85	23.04
3GPP Rel.6	HS-UPA Subtest-1	23.52	23.55	23.60	24.50	23.46	23.55	23.57
3GPP Rel.6	HS-UPA Subtest-2	21.54	21.59	21.59	22.50	21.50	21.51	21.51
3GPP Rel.6	HS-UPA Subtest-3	22.59	22.57	22.57	23.50	22.47	22.51	22.53
3GPP Rel.6	HS-UPA Subtest-4	21.56	21.59	21.58	23.00	21.52	21.47	21.58
3GPP Rel.6	HS-UPA Subtest-5	23.60	23.60	23.60	24.50	23.50	23.60	23.50
3GPP Rel.7	HSPA+ (16QAM) Subtest-1	22.66	22.67	22.64	23.50	22.51	22.53	22.51

GSM850_Ant.31	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	834.4	844.8		824.2	834.4	844.8	
GSM 1 Tx slot		32.60	32.95	32.74	33.50	23.60	23.95	23.74
GPRS/EDGE GMSK 1 Tx slot		32.59	32.91	32.72	33.50	23.59	23.91	23.72
GPRS/EDGE GMSK 2 Tx slots		30.31	30.56	30.47	31.50	24.31	24.56	24.47
GPRS/EDGE GMSK 3 Tx slots		27.60	28.85	28.62	29.50	23.34	24.59	24.36
GPRS/EDGE GMSK 4 Tx slots		27.04	27.22	27.20	28.00	24.04	24.22	24.20
EDGE BPSK 1 Tx slot		26.89	26.83	26.80	28.00	17.89	17.83	17.80
EDGE BPSK 2 Tx slots		24.98	24.81	25.01	26.00	18.98	18.81	19.01
EDGE BPSK 3 Tx slots		22.99	23.02	23.25	24.00	18.73	18.78	18.99
EDGE BPSK 4 Tx slots		21.63	21.38	21.56	22.50	18.63	18.38	18.56

GSM1900_Ant.31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1850.2	1860	1809.6	1850.2	1860	1809.6	
GSM 1 Tx slot		26.37	26.40	26.33	30.00	20.37	20.40	20.33
GPRS/EDGE GMSK 1 Tx slot		26.34	26.36	26.30	30.00	20.34	20.36	20.30
GPRS/EDGE GMSK 2 Tx slots		26.56	26.58	26.55	28.00	20.56	20.58	20.55
GPRS/EDGE GMSK 3 Tx slots		24.80	24.83	24.58	26.00	20.34	20.37	20.32
GPRS/EDGE GMSK 4 Tx slots		23.38	23.42	23.36	24.50	20.38	20.42	20.36
EDGE BPSK 1 Tx slot		25.91	25.96	26.01	27.00	16.91	16.96	17.01
EDGE BPSK 2 Tx slots		24.20	24.20	24.23	25.00	18.20	18.20	18.23
EDGE BPSK 3 Tx slots		22.18	22.17	22.35	23.00	17.52	17.91	18.09
EDGE BPSK 4 Tx slots		20.84	20.57	20.56	21.50	17.64	17.57	17.56

Band	WCDMA V_Ant.13			Tune-up Limit (dBm)	WCDMA V_Ant.31			Tune-up Limit (dBm)
	TX Channel	1312	1413	1513	1312	1413	1513	
Rx Channel		1537	1638	1738	1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	
3GPP Rel.99	AMR 12.2Kbps	16.91	16.87	16.93	17.50	20.85	20.86	20.82
3GPP Rel.99	RM-C 12.2Kbps	16.94	16.98	16.96	17.50	20.87	20.89	20.85
3GPP Rel.6	HSDPA Subtest-1	15.79	15.83	15.88	17.00	19.80	20.05	19.94
3GPP Rel.6	HSDPA Subtest-2	15.74	15.91	15.88	17.00	19.87	20.00	19.96
3GPP Rel.6	HSDPA Subtest-3	15.20	15.43	15.33	16.50	19.39	19.51	19.50
3GPP Rel.6	HSDPA Subtest-4	15.23	15.38	15.38	16.50	19.47	19.53	19.46
3GPP Rel.6	DC-HSDPA Subtest-1	15.72	15.81	15.81	17.00	19.84	19.83	19.82
3GPP Rel.6	DC-HSDPA Subtest-2	15.70	15.72	15.76	17.00	19.78	19.98	19.90
3GPP Rel.6	DC-HSDPA Subtest-3	15.22	15.30	15.19	16.50	19.41	19.49	19.48
3GPP Rel.6	DC-HSDPA Subtest-4	15.25	15.40	15.26	16.50	19.33	19.54	19.42
3GPP Rel.6	HS-UPA Subtest-1	15.84	16.00	15.92	17.00	19.89	20.07	19.97
3GPP Rel.6	HS-UPA Subtest-2	13.86	13.87	13.94	15.00	17.95	17.98	17.83
3GPP Rel.6	HS-UPA Subtest-3	14.87	14.85	14.94	16.00	18.79	18.89	18.95
3GPP Rel.6	HS-UPA Subtest-4	13.92	14.01	13.92	15.00	17.90	18.06	17.99
3GPP Rel.6	HS-UPA Subtest-5	15.83	15.94	15.84	17.00	19.91	20.03	19.99
3GPP Rel.7	HSPA+ (16QAM) Subtest-1	14.88	14.92	14.86	16.00	18.90	19.03	19.03

Band 2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.30	17.46	17.46			
20	QPSK	1	49	17.38	17.38	17.38	18.5	0	
20	QPSK	1	99	17.35	17.39	17.39			
20	QPSK	50	0	17.23	17.43	17.42			
20	QPSK	50	24	17.18	17.28	17.28	18.5	0	
20	QPSK	50	50	17.24	17.38	17.40			
20	QPSK	100	0	17.19	17.36	17.33			
20	16QAM	1	0	17.11	17.27	17.30			
20	16QAM	1	49	17.18	17.28	17.28	18.5	0	
20	16QAM	1	99	17.12	17.33	17.30			
20	16QAM	50	0	17.10	17.34	17.28			
20	16QAM	50	24	17.15	17.28	17.29	18.5	0	
20	16QAM	50	50	17.10	17.29	17.29			
20	16QAM	100	0	17.11	17.30	17.26			
20	64QAM	1	0	17.15	17.30	17.29	18.5	0	
20	64QAM	1	49	17.12	17.27	17.23			
20	64QAM	1	99	17.15	17.30	17.25			
20	64QAM	50	0	17.14	17.31	17.31			
20	64QAM	50	24	17.14	17.30	17.30	18.5	0	
20	64QAM	50	50	17.12	17.27	17.25			
20	64QAM	100	0	17.11	17.29	17.26			
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.75	16.80	16.80	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	37	17.28	17.34	17.31	18.5	0	
15	QPSK	1	74	17.38	17.30	17.36			
15	QPSK	36	0	17.40	17.42	17.37			
15	QPSK	36	25	17.31	17.28	17.31	18.5	0	
15	QPSK	36	39	17.30	17.37	17.31			
15	QPSK	75	0	17.28	17.32	17.28			
15	16QAM	1	0	17.18	17.18	17.26			
15	16QAM	1	37	17.16	17.21	17.20	18.5	0	
15	16QAM	1	74	17.27	17.30	17.24			
15	16QAM	36	0	17.29	17.32	17.27			
15	16QAM	36	25	17.18	17.28	17.24	18.5	0	
15	16QAM	36	39	17.27	17.21	17.26			
15	16QAM	75	0	17.20	17.29	17.26			
15	64QAM	1	0	17.28	17.29	17.26			
15	64QAM	1	37	17.20	17.20	17.20	18.5	0	
15	64QAM	1	74	17.23	17.23	17.22			
15	64QAM	36	0	17.27	17.30	17.29			
15	64QAM	36	25	17.20	17.23	17.24	18.5	0	
15	64QAM	36	39	17.17	17.18	17.21			
15	64QAM	75	0	17.25	17.25	17.23			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.42	17.41	17.47	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	25	17.29	17.36	17.33	18.5	0	
10	QPSK	1	49	17.38	17.33	17.36			
10	QPSK	1	74	17.40	17.28	17.41			
10	QPSK	25	12	17.28	17.31	17.36	18.5	0	
10	QPSK	25	25	17.31	17.28	17.31			
10	QPSK	50	0	17.26	17.23	17.23			
10	16QAM	1	25	17.24	17.16	17.25	18.5	0	
10	16QAM	1	49	17.28	17.25	17.31			
10	16QAM	25	0	17.30	17.30	17.32			
10	16QAM	25	12	17.22	17.19	17.26	18.5	0	
10	16QAM	25	25	17.23	17.23	17.21			
10	16QAM	50	0	17.23	17.21	17.26			
10	16QAM	50	25	17.26	17.19	17.19	18.5	0	
10	16QAM	50	49	17.20	17.20	17.20			
10	64QAM	1	0	17.23	17.29	17.25			
10	64QAM	1	25	17.26	17.29	17.27	18.5	0	
10	64QAM	25	25	17.21	17.22	17.25			
10	64QAM	50	0	17.26	17.22	17.26			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.44	17.47	17.38	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	12	17.33	17.29	17.35	18.5	0	
5	QPSK	1	24	17.36	17.34	17.32			
5	QPSK	12	0	17.33	17.38	17.40			
5	QPSK	12	7	17.27	17.30	17.32	18.5	0	
5	QPSK	12	13	17.34	17.36	17.36			
5	QPSK	25	0	17.28	17.30	17.28			
5	16QAM	1	0	17.18	17.21	17.26	18.5	0	
5	16QAM	1	12	17.25	17.23	17.17			
5	16QAM	12	24	17.26	17.23	17.27			
5	16QAM	12	7	17.25	17.33	17.28	18.5	0	
5	16QAM	12	7	17.26	17.23	17.24			
5	16QAM	12	13	17.25	17.22	17.23			
5	16QAM	25	0	17.21	17.22	17.25			
5	64QAM	1	0	17.28	17.21	17.21			
5	64QAM	1	12	17.25	17.24	17.22	18.5	0	
5	64QAM	12	24	17.24	17.26	17.17			
5	64QAM	12	7	17.28	17.21	17.29			
5	64QAM	12	7	17.29	17.27	17.35	18.5	0	
5	64QAM	12	13	17.22	17.25	17.25			
5	64QAM	25	0	17.25	17.21	17.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.44	17.46	17.41	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	8	17.36	17.34	17.32	18.5	0	
3	QPSK	1	14	17.33	17.33	17.33			
3	QPSK	8	0	17.40	17.40	17.41			
3	QPSK	8	4	17.30	17.28	17.26	18.5	0	
3	QPSK	8	12	17.23	17.23	17.27			
3	QPSK	15	0	17.32	17.26	17.30			
3	16QAM	1	0	17.18	17.21	17.19			
3	16QAM	1	8	17.18	17.16	17.20	18.5	0	
3	16QAM	1	14	17.31	17.29	17.31			
3	16QAM	8	0	17.31	17.27	17.25			
3	16QAM	8	4	17.22	17.27	17.18	18.5	0	
3	16QAM	8	12	17.20	17.19	17.27			
3	16QAM	15	0	17.26	17.23	17.25			
3	64QAM	1	0	17.29	17.27	17.20			
3	64QAM	1	8	17.26	17.25	17.19	18.5	0	
3	64QAM	25	0	17.23	17.25	17.24			
3	64QAM	8	0	17.24	17.23	17.28			
3	64QAM	8	4	17.25	17.23	17.29	18.5	0	
3	64QAM	8	7	17.24	17.26	17.17			
3	64QAM	15	0	17.23	17.27	17.25			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.41	17.39	17.47	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	3	17.36	17.32	17.37	18.5	0	
1.4	QPSK	1	5	17.35	17.33	17.30			
1.4	QPSK	3	0	17.41	17.39	17.36			
1.4	QPSK	3	1	17.34	17.28	17.27	18.5	0	
1.4	QPSK	3	1	17.32	17.30	17.36			
1.4	QPSK	6	0	17.35	17.29	17.30	18.5	0	
1.4	16QAM	1	0	17.23	17.20	17.18			
1.4	16QAM	1	3	17.18	17.23	17.24			
1.4	16QAM	1	5	17.27	17.30	17.31	18.5	0	
1.4	16QAM	3	0	17.24	17.28	17.32			
1.4	16QAM	3	1	17.24	17.26	17.20			
1.4	16QAM	3	1	17.19	17.20	17.22	18.5	0	
1.4	16QAM	6	0	17.27	17.27	17.22			
1.4	64QAM	1	0	17.23	17.27	17.21			
1.4	64QAM	1	3	17.18	17.23	17.26	18.5	0	
1.4	64QAM	1	5	17.27	17.23	17.28			
1.4	64QAM	3	0	17.23	17.22	17.27			
1.4	64QAM	3	1	17.29	17.31	17.21	18.5	0	
1.4	64QAM	3	1	17.22	17.19	17.18			
1.4	64QAM	6	0	17.23	17.26	17.21	18.5	0	

Band 2_Ant 31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				18700	18900	19100				
20	QPSK	1	0	20.52	20.42	20.53				
20	QPSK	1	49	20.45	20.50	20.45	21.5	0		
20	QPSK	1	99	20.43	20.59	20.48				
20	QPSK	50	0	20.49	20.55	20.45				
20	QPSK	50	24	20.42	20.45	20.40	21.5	0		
20	QPSK	50	50	20.40	20.50	20.39				
20	QPSK	100	0	20.42	20.54	20.39				
20	16QAM	1	0	20.40	20.45	20.37				
20	16QAM	1	49	20.45	20.45	20.33	21.5	0		
20	16QAM	1	99	20.46	20.52	20.33				
20	16QAM	50	0	20.46	20.54	20.40				
20	16QAM	50	24	20.42	20.47	20.37	21.5	0		
20	16QAM	50	50	20.41	20.48	20.39				
20	16QAM	100	0	20.46	20.47	20.40				
20	64QAM	1	0	20.46	20.48	20.41	21.5	0		
20	64QAM	1	49	20.43	20.46	20.34				
20	64QAM	1	99	20.39	20.48	20.41				
20	64QAM	50	0	20.42	20.41	20.41				
20	64QAM	50	24	20.45	20.47	20.42	21.5			
20	64QAM	50	50	20.46	20.53	20.33				
20	64QAM	100	0	20.41	20.51	20.35				
Channel										
Frequency (MHz)				18875	18900	19125	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.14	20.80	20.55	21.5	0		
15	QPSK	1	37	20.54	20.51	20.50				
15	QPSK	1	74	20.56	20.52	20.58				
15	QPSK	50	0	20.45	20.54	20.50	21.5	0		
15	QPSK	50	20	20.44	20.42	20.35				
15	QPSK	36	39	20.41	20.48	20.47				
15	QPSK	75	0	20.50	20.53	20.51				
15	QPSK	75	49	20.42	20.41	20.42	21.5	0		
15	16QAM	1	37	20.44	20.41	20.40	21.5	0		
15	16QAM	1	74	20.50	20.50	20.51				
15	16QAM	50	0	20.45	20.53	20.48				
15	16QAM	50	20	20.39	20.37	20.38				
15	16QAM	36	39	20.47	20.45	20.41				
15	16QAM	75	0	20.45	20.42	20.46				
15	64QAM	1	37	20.42	20.44	20.37	21.5	0		
15	64QAM	1	74	20.47	20.47	20.45				
15	64QAM	50	0	20.45	20.47	20.44	21.5			
15	64QAM	50	20	20.37	20.37	20.44				
15	64QAM	36	39	20.52	20.49	20.44				
15	64QAM	75	0	20.49	20.47	20.43				
Channel										
Frequency (MHz)				18655	18800	19055	Turn-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.58	20.57	20.59	21.5	0		
10	QPSK	1	25	20.59	20.52	20.51				
10	QPSK	50	0	20.45	20.54	20.50	21.5	0		
10	QPSK	25	0	20.45	20.54	20.52				
10	QPSK	25	12	20.38	20.36	20.39	21.5	0		
10	QPSK	25	25	20.45	20.41	20.47				
10	QPSK	50	25	20.45	20.47	20.47				
10	16QAM	1	0	20.37	20.33	20.40	21.5	0		
10	16QAM	1	25	20.37	20.40	20.41				
10	16QAM	49	0	20.45	20.45	20.43				
10	16QAM	25	0	20.51	20.49	20.53				
10	16QAM	25	12	20.45	20.44	20.45	21.5	0		
10	16QAM	25	25	20.46	20.43	20.46				
10	16QAM	50	25	20.42	20.48	20.41				
10	64QAM	1	0	20.45	20.42	20.40	21.5	0		
10	64QAM	1	25	20.39	20.36	20.45				
10	64QAM	49	0	20.46	20.46	20.44	21.5	0		
10	64QAM	25	0	20.44	20.47	20.47				
10	64QAM	25	12	20.38	20.43	20.45				
10	64QAM	25	25	20.51	20.43	20.49	21.5	0		
10	64QAM	50	25	20.44	20.45	20.46				
Channel										
Frequency (MHz)				18825	18900	19075	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.58	20.53	20.54	21.5	0		
5	QPSK	1	25	20.52	20.48	20.50				
5	QPSK	1	24	20.54	20.55	20.50				
5	QPSK	12	0	20.46	20.46	20.52	21.5	0		
5	QPSK	12	7	20.43	20.37	20.48				
5	QPSK	12	19	20.42	20.41	20.42				
5	QPSK	25	0	20.50	20.44	20.50				
5	QPSK	25	12	20.37	20.40	20.37	21.5	0		
5	QPSK	25	19	20.39	20.38	20.40				
5	16QAM	1	24	20.51	20.47	20.46				
5	16QAM	12	0	20.46	20.49	20.47	21.5	0		
5	16QAM	12	7	20.39	20.38	20.40				
5	16QAM	12	13	20.41	20.40	20.43				
5	16QAM	25	0	20.42	20.43	20.40	21.5	0		
5	64QAM	1	0	20.42	20.43	20.47				
5	64QAM	1	24	20.41	20.41	20.41	21.5	0		
5	64QAM	12	0	20.47	20.48	20.45				
5	64QAM	12	7	20.42	20.41	20.43				
5	64QAM	12	13	20.46	20.50	20.43	21.5	0		
5	64QAM	25	0	20.42	20.44	20.45				
Channel										
Frequency (MHz)				18815	18900	19185	Turn-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	20.61	20.52	20.54	21.5	0		
3	QPSK	1	8	20.54	20.54	20.56				
3	QPSK	1	14	20.55	20.58	20.49				
3	QPSK	15	0	20.48	20.47	20.48	21.5	0		
3	QPSK	8	4	20.39	20.44	20.39				
3	QPSK	8	7	20.47	20.43	20.44				
3	QPSK	15	8	20.46	20.44	20.51				
3	QPSK	30	0	20.38	20.38	20.36	21.5	0		
3	16QAM	1	8	20.45	20.37	20.46	21.5	0		
3	16QAM	1	14	20.47	20.45	20.51				
3	16QAM	15	0	20.49	20.44	20.47	21.5	0		
3	16QAM	8	4	20.38	20.45	20.40				
3	16QAM	8	7	20.47	20.39	20.46				
3	64QAM	1	15	0	20.37	20.43	20.39	21.5	0	
3	64QAM	1	24	0	20.46	20.43	20.40			
3	64QAM	1	8	20.37	20.36	20.37	21.5	0		
3	64QAM	1	14	20.38	20.38	20.47				
3	64QAM	15	0	20.41	20.47	20.41	21.5	0		
3	64QAM	8	4	20.42	20.39	20.43				
3	64QAM	8	7	20.49	20.52	20.51				
3	64QAM	15	8	20.43	20.42	20.42				
Channel										
Frequency (MHz)				18507	18800	1909.3	Turn-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	20.52	20.60	20.59	21.5	0		
1.4	QPSK	1	3	20.50	20.58	20.53				
1.4	QPSK	1	6	20.37	20.51	20.46	21.5	0		
1.4	QPSK	1	30	20.49	20.54	20.53				
1.4	QPSK	3	1	20.36	20.37	20.43				
1.4	QPSK	3	6	20.42	20.42	20.43	21.5	0		
1.4	QPSK	6	0	20.48	20.52	20.47				
1.4	16QAM	1	0	20.40	20.40	20.41				
1.4	16QAM	1	3	20.41	20.38	20.43	21.5	0		
1.4	16QAM	3	0	20.47	20.48	20.46				
1.4	16QAM	3	0	20.47	20.48	20.43	21.5	0		
1.4	16QAM	1	1	20.42	20.42	20.40				
1.4	64QAM	1	3	20.41	20.38	20.43	21.5	0		
1.4	64QAM	1	6	20.43	20.42	20.43				
1.4	64QAM	1	30	20.44	20.41	20.44	21.5	0		
1.4	64QAM	3	1	20.39	20.43	20.45				
1.4	64QAM	3	6	20.42	20.42	20.43	21.5	0		
1.4	64QAM	6	0	20.49	20.47	20.50	21.5	0		

Band 4_Ant11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power ModB Ch./Freq	Power High Ch./Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1720	1732.5	1745						
20	QPSK	1	0	19.13	19.15	19.11	20	0				
20	QPSK	1	49	19.07	19.13	19.09						
20	QPSK	1	99	19.06	19.05	19.05						
20	QPSK	50	0	19.15	19.14	19.11						
20	QPSK	50	24	19.06	19.04	19.04	20	0				
20	QPSK	50	50	19.03	19.11	19.02						
20	QPSK	100	0	19.07	19.13	19.01						
20	16QAM	1	0	19.04	19.12	19.00						
20	16QAM	1	49	19.07	19.13	19.02	20	0				
20	16QAM	1	99	19.05	19.11	19.00						
20	16QAM	50	0	19.03	19.05	19.03						
20	16QAM	50	24	19.04	19.10	19.01						
20	16QAM	50	50	19.01	19.08	19.02	20	0				
20	16QAM	100	0	19.02	19.13	19.03						
20	64QAM	1	0	19.06	19.10	19.07						
20	64QAM	1	49	19.04	19.07	19.02						
20	64QAM	1	99	19.09	19.05	19.03	20	0				
20	64QAM	50	0	19.01	19.08	19.04						
20	64QAM	50	24	19.04	19.10	19.01						
20	64QAM	50	50	19.03	19.10	19.01						
20	64QAM	100	0	19.03	19.13	19.00	Time-up limit (dBm)	MPR (dB)				
Channel				20025	20175	20325						
Frequency (MHz)				1717.5	1732.5	1747.5						
19	QPSK	1	0	19.13	19.10	19.05	20	0				
19	QPSK	1	74	19.01	19.08	19.09						
19	QPSK	1	49	19.04	19.03	19.09						
19	QPSK	25	0	19.11	19.06	19.04						
19	QPSK	25	12	19.07	19.03	19.07	20	0				
19	QPSK	25	25	19.09	19.06	19.06						
19	QPSK	50	0	19.11	19.08	19.07						
19	16QAM	1	0	19.03	19.06	19.07						
19	16QAM	1	25	19.07	19.08	19.04	20	0				
19	16QAM	1	49	19.10	19.04	19.03						
19	16QAM	25	0	19.01	19.07	19.06						
19	16QAM	25	12	19.09	19.09	19.04						
19	16QAM	25	25	19.03	19.02	19.08	20	0				
19	16QAM	50	0	19.11	19.08	19.06						
19	16QAM	50	0	19.07	19.04	19.08						
19	16QAM	1	25	19.04	19.03	19.09						
19	64QAM	1	49	19.06	19.06	19.07	20	0				
19	64QAM	25	0	19.02	19.06	19.04						
19	64QAM	25	12	19.08	19.09	19.01						
19	64QAM	25	12	19.09	19.07	19.07						
19	64QAM	25	14	19.02	19.03	19.02	20	0				
19	64QAM	1	0	19.04	19.03	19.08						
5	64QAM	1	12	19.08	19.00	19.06				20	0	
5	64QAM	1	24	19.06	19.06	19.09						
5	64QAM	12	0	19.03	19.05	19.08	20	0				
5	64QAM	12	7	19.07	19.09	19.01						
5	64QAM	12	13	19.01	19.08	19.05				20	0	
5	64QAM	12	13	19.01	19.08	19.05						
5	64QAM	25	0	19.06	19.09	19.06	Time-up limit (dBm)	MPR (dB)				
Channel				19975	20175	20385						
Frequency (MHz)				1711.5	1732.5	1753.5						
3	QPSK	1	0	19.07	19.10	19.08	20	0				
3	QPSK	1	8	19.08	19.04	19.05						
3	QPSK	1	14	19.07	19.00	19.04						
3	QPSK	8	0	19.08	19.08	19.05						
3	QPSK	8	4	19.02	19.08	19.05	20	0				
3	QPSK	8	7	19.02	19.06	19.07						
3	16QAM	1	0	19.03	19.06	19.07						
3	16QAM	1	0	19.10	19.07	19.06						
3	16QAM	1	8	19.10	19.03	19.03	20	0				
3	16QAM	1	14	19.02	19.01	19.03						
3	16QAM	8	0	19.04	19.04	19.05						
3	16QAM	8	4	19.08	19.08	19.01						
3	16QAM	8	7	19.08	19.03	19.07	20	0				
3	16QAM	15	0	19.04	19.09	19.05						
3	64QAM	1	0	19.05	19.03	19.08						
3	64QAM	1	0	19.06	19.07	19.06						
3	64QAM	8	0	19.04	19.07	19.09	20	0				
3	64QAM	8	4	19.00	19.06	19.03						
3	64QAM	8	7	19.06	19.06	19.09						
3	64QAM	15	0	19.07	19.03	19.05						
Channel				19965	20175	20393	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1710.7	1732.5	1754.3						
1.4	QPSK	1	0	19.09	19.07	19.07				20	0	
1.4	QPSK	1	3	19.08	19.06	19.05						
1.4	QPSK	1	5	19.04	19.05	19.09						
1.4	QPSK	3	0	19.05	19.04	19.12						
1.4	QPSK	3	1	19.06	19.05	19.07	20	0				
1.4	QPSK	3	3	19.10	19.10	19.10						
1.4	QPSK	6	0	19.08	19.08	19.04						
1.4	16QAM	1	0	19.10	19.06	19.04						
1.4	16QAM	1	3	19.07	19.04	19.05	20	0				
1.4	16QAM	1	5	19.10	19.07	19.06						
1.4	16QAM	3	0	19.00	19.02	19.00						
1.4	16QAM	3	3	19.09	19.07	19.00						
1.4	16QAM	6	0	19.07	19.11	19.09	20	0				
1.4	64QAM	1	0	19.08	19.07	19.00						
1.4	64QAM	1	3	19.08	19.02	19.07						
1.4	64QAM	1	5	19.01	19.02	19.05						
1.4	64QAM	3	0	19.05	19.08	19.05	20	0				
1.4	64QAM	3	1	19.05	19.00	19.01						
1.4	64QAM	3	3	19.07	19.06	19.01						
1.4	64QAM	6	0	19.06	19.07	19.07						

Band 5_Ant 13			
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Band 7_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. Freq	Power Ch. Freq	Power Ch. Freq	Turn-on time (ms)	MFR (dB)	
Channel									
Frequency (MHz)				20510	21100	21550			
20	QPSK	1	0	21.05	21.13	21.07			
20	QPSK	1	49	21.02	21.04	21.01	22	0	
20	QPSK	1	98	21.01	21.08	21.07			
20	QPSK	50	0	21.04	21.07	21.06			
20	QPSK	50	24	21.00	20.98	20.96	22	0	
20	QPSK	50	50	21.02	21.07	21.01			
20	QPSK	100	0	20.97	21.02	20.98			
20	HQAM	1	0	20.94	21.04	20.99			
20	HQAM	1	49	21.00	21.01	21.00	22	0	
20	HQAM	1	98	20.97	21.00	20.99			
20	HQAM	50	0	20.98	21.01	20.99			
20	HQAM	50	24	20.95	20.97	21.01	22	0	
20	HQAM	50	50	21.02	21.07	20.98			
20	HQAM	100	0	20.98	21.00	20.98			
20	HQAM	1	0	20.97	20.99	21.05			
20	HQAM	1	49	21.01	20.98	21.05	22	0	
20	HQAM	1	98	21.03	20.98	21.06			
20	HQAM	50	0	20.03	20.02	20.00			
20	HQAM	50	24	20.01	20.00	20.03	21	1	
20	HQAM	50	50	20.06	20.07	20.96			
20	HQAM	100	0	20.03	20.03	19.97			
Channel									
Frequency (MHz)				20525	21100	21575	Turn-on time (ms)	MFR (dB)	
15	QPSK	1	0	21.04	21.11	21.05			
15	QPSK	1	37	20.96	21.07	21.02	22	0	
15	QPSK	1	74	21.05	21.00	21.03			
15	QPSK	36	0	21.05	21.08	20.98			
15	QPSK	36	20	20.90	20.93	20.97	22	0	
15	QPSK	36	36	20.95	20.96	20.95			
15	QPSK	75	0	21.00	20.93	20.95			
15	HQAM	1	0	20.97	21.01	20.96			
15	HQAM	1	37	20.98	21.00	20.97	22	0	
15	HQAM	1	74	20.98	21.00	20.97			
15	HQAM	36	0	20.95	20.94	20.96			
15	HQAM	36	20	20.89	20.93	20.90	22	0	
15	HQAM	36	36	20.99	20.98	20.91			
15	HQAM	75	0	20.98	21.01	20.97			
15	HQAM	1	0	20.92	20.94	20.92			
15	HQAM	1	37	20.93	20.92	20.88	22	0	
15	HQAM	1	74	20.89	20.94	20.91			
15	HQAM	36	0	19.98	19.93	19.92			
15	HQAM	36	20	20.02	19.95	19.97	21	1	
15	HQAM	36	36	19.99	19.98	19.96			
15	HQAM	75	0	19.93	19.94	19.93			
Channel									
Frequency (MHz)				20505	21100	21405	Turn-on time (ms)	MFR (dB)	
10	QPSK	1	0	21.08	21.12	21.10			
10	QPSK	1	24	20.94	20.97	20.95	22	0	
10	QPSK	1	49	20.98	21.02	21.01			
10	QPSK	25	0	21.03	20.97	21.00			
10	QPSK	25	12	20.96	20.95	20.99	22	0	
10	QPSK	25	37	20.97	20.98	20.99			
10	HQAM	1	0	21.01	20.94	20.98			
10	HQAM	1	24	20.97	20.96	20.97	22	0	

Band 7_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Pwr/Freq (dBm)	Power Pwr/Freq (dBm)	Power Pwr/Freq (dBm)	Power Pwr/Freq (dBm)	Turn-on time (ms)	MPR (dB)	
Channel										
Frequency (MHz)				20850	21100	21350				
20	QPSK	1	0	15.18	15.21	15.14				
20	QPSK	1	49	15.05	15.08	15.10		16.5	0	
20	QPSK	1	98	15.12	15.19	15.11				
20	QPSK	50	0	15.11	15.14	15.10				
20	QPSK	50	24	15.08	15.10	15.08		16.5	0	
20	QPSK	50	54	15.09	15.09	15.09				
20	QPSK	100	0	15.02	15.09	15.02				
20	16QAM	1	0	15.06	15.09	15.03				
20	16QAM	1	49	15.03	15.02	15.10		16.5	0	
20	16QAM	50	0	15.05	15.06	15.07				
20	16QAM	50	24	15.06	15.11	15.02				
20	16QAM	50	24	15.08	15.08	15.04		16.5	0	
20	16QAM	50	54	15.07	15.07	15.04				
20	16QAM	100	0	15.02	15.10	15.02				
Channel				20825	21100	21375	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				20817	2535	2562.5				
15	QPSK	1	0	15.17	15.20	15.11				
15	QPSK	1	31	15.05	15.07	15.11		16.5	0	
15	QPSK	1	74	15.11	15.11	15.11				
15	QPSK	36	0	15.08	15.07	15.06				
15	QPSK	36	20	15.02	15.04	15.04		16.5	0	
15	QPSK	36	36	15.14	14.98	15.09				
15	QPSK	75	0	15.00	15.00	14.99				
15	16QAM	1	0	15.07	15.08	15.03				
15	16QAM	1	31	15.06	15.03	15.03		16.5	0	
15	16QAM	1	74	14.96	15.01	15.01				
15	16QAM	36	0	15.09	15.10	15.09				
15	16QAM	36	20	15.06	15.03	14.99		16.5	0	
15	16QAM	36	36	15.01	15.06	14.97				
15	16QAM	75	0	15.09	15.03	15.02				
15	64QAM	1	0	14.99	14.95	14.94				
15	64QAM	1	31	15.06	15.04	15.02		16.5	0	
15	64QAM	1	74	14.95	14.98	15.00				
15	64QAM	36	0	14.98	14.96	14.99				
15	64QAM	36	20	15.06	15.09	15.09		16.5	0	
15	64QAM	36	36	15.04	15.09	15.05				
15	64QAM	75	0	14.96	14.98	14.99				
Channel				20805	21100	21400	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				20805	2635	2665				
10	QPSK	1	0	15.18	15.17	15.15				
10	QPSK	1	24	15.06	15.07	15.08		16.5	0	
10	QPSK	1	49	15.17	15.18	15.10				
10	QPSK	25	0	15.07	15.06	15.13				
10	QPSK	25	12	15.07	15.02	15.09		16.5	0	
10	QPSK	25	24	14.99	15.01	15.05				
10	QPSK	50	0	15.07	15.07	15.00				
10	16QAM	1	0	14.89	15.00	14.99				
10	16QAM	1	24	15.04	15.01	15.03		16.5	0	
10	16QAM	1	49	15.03	15.03	15.05				
10	16QAM	25	0	15.03	15.04	15.09				
10	16QAM	25	12	15.06	14.89	15.02		16.5	0	
10	16QAM	25	24	15.02	15.01	15.05				
10	16QAM	50	0	15.07	15.09	15.02				
10	64QAM	1	0	14.88	15.01	14.91				
10	64QAM	1	25	15.06	15.12	15.05		16.5	0	
10	64QAM	1	50	15.00	14.86	15.00				
10	64QAM	25	0	14.97	15.02	14.94				
10	64QAM	25	12	15.04	15.10	15.03		16.5	0	
10	64QAM	25	24	15.00	15.00	14.98				
10	64QAM	50	0	15.00	15.00	15.04				
Channel				20775	21100	21425	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				20625	2635	2667.5				
5	QPSK	1	0	15.16	15.19	15.14				
5	QPSK	1	12	15.05	15.06	15.10		16.5	0	
5	QPSK	1	24	15.16	15.16	15.18				
5	QPSK	12	0	15.10	15.04	15.10				
5	QPSK	12	6	15.08	15.07	15.07		16.5	0	
5	QPSK	12	13	15.07	15.03	15.02				
5	QPSK	25	0	15.01	15.03	15.02				
5	16QAM	1	0	15.05	15.00	15.00		16.5	0	
5	16QAM	1	12	15.08	15.01	14.97				
5	16QAM	1	24	15.01	14.97	14.96				
5	16QAM	12	0	15.07	15.09	15.02				
5	16QAM	12	7	15.00	14.86	15.00		16.5	0	
5	16QAM	12	13	15.01	14.98	15.00				
5	64QAM	1	0	14.03	15.08	15.02				
5	64QAM	1	24	14.84	14.94	14.97				
5	64QAM	1	25	15.04	15.04	15.05		16.5	0	
5	64QAM	1	24	14.97	14.86	15.04				
5	64QAM	12	0	14.95	15.03	14.95				
5	64QAM	12	7	15.09	15.03	15.10		16.5	0	
5	64QAM	12	13	14.87	14.86	14.90				
5	64QAM	25	0	15.00	15.04	14.96				

Band 12_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Power	Power Level Ch / Power	Power Level Ch / Power	Turn-up time (dB)	MPR (dB)		
Channel				23004	23005	23130				
Frequency (MHz)				7070	7075	7115				
10	QPSK	1	0	24.28	24.30	24.22				
5	QPSK	1	25	24.31	24.12	24.12	25	0		
10	QPSK	25	0	24.32	24.30	24.22				
10	QPSK	25	12	23.37	23.41	23.46				
10	QPSK	25	12	23.37	23.16	23.24	24	1		
10	QPSK	25	0	23.37	23.32	23.30				
10	QPSK	50	0	23.25	23.33	23.32				
10	16QAM	1	0	23.31	23.15	23.41				
10	16QAM	1	25	23.66	23.80	23.34				
10	16QAM	25	0	23.68	23.29	23.61				
10	16QAM	25	0	22.14	22.25	22.13				
10	16QAM	25	12	22.32	22.22	22.32				
10	16QAM	25	25	22.38	22.22	22.31	23	2		
10	16QAM	25	0	22.33	22.24	22.33				
10	64QAM	1	0	22.34	22.20	22.33				
10	64QAM	1	25	22.29	22.19	22.36	23	2		
10	64QAM	25	0	22.68	22.25	22.67				
10	64QAM	25	0	21.25	21.21	21.26				
10	64QAM	25	12	21.30	21.34	21.34	22	3		
10	64QAM	25	25	21.37	21.24	21.22				
10	64QAM	50	0	21.33	21.31	21.28				
Channel				23035	23036	23105	Turn-up time (dB)	MPR (dB)		
Frequency (MHz)				7015	7015	713.5				
5	QPSK	1	0	24.17	24.13	24.21				
5	QPSK	1	10	24.07	24.08	24.08	25	0		
5	QPSK	1	24	24.14	24.10	23.98				
5	QPSK	12	0	23.30	23.32	23.38				
5	QPSK	12	7	23.16	23.11	23.08	24	1		
5	QPSK	12	0	23.25	23.13	23.25				
5	QPSK	25	0	23.14	23.22	23.24				
5	16QAM	1	0	23.30	23.08	23.33				
5	16QAM	1	12	23.64	23.73	23.30	24	1		
5	16QAM	1	25	23.59	23.19	23.47				
5	16QAM	12	0	22.10	22.19	22.05				
5	16QAM	12	7	22.21	22.18	22.21	23	2		
5	16QAM	12	15	22.27	22.22	22.14				
5	16QAM	25	0	22.27	22.13	22.18				
5	64QAM	1	0	22.11	22.04	22.27				
5	64QAM	1	12	22.32	22.15	22.45	23	2		
5	64QAM	1	25	22.44	22.20	22.66				
5	64QAM	12	0	21.11	21.18	21.11				
5	64QAM	12	7	21.17	21.18	21.25	22	3		
5	64QAM	12	13	21.31	21.25	21.25				
5	64QAM	12	15	21.37	21.25	21.25				
5	64QAM	25	0	21.19	21.11	21.26				
Channel				23025	23036	23105	Turn-up time (dB)	MPR (dB)		
Frequency (MHz)				7005	7015	714.5				
3	QPSK	1	0	24.20	24.18	24.18				
3	QPSK	1	0	24.13	24.09	23.99	25	0		
3	QPSK	1	14	24.10	24.08	24.01				
3	QPSK	8	0	23.22	23.29	23.38				
3	QPSK	8	4	23.18	23.09	23.13	24	1		
3	QPSK	8	4	23.16	23.22	23.21				
3	QPSK	15	0	23.17	23.24	23.16				
3	16QAM	1	0	23.24	23.03	23.28				
3	16QAM	1	14	23.54	23.17	23.21	24	1		
3	16QAM	1	14	23.63	23.19	23.48				
3	16QAM	8	0	22.08	22.12	22.09				
3	16QAM	8	4	22.16	22.09	22.25	23	1		
3	16QAM	8	4	22.28	22.22	22.31				
3	16QAM	15	0	22.29	22.16	22.25				
3	64QAM	1	0	22.20	22.17	22.23				
3	64QAM	1	0	22.31	22.17	22.54	23	2		
3	64QAM	1	4	22.65	22.14	22.44				
3	64QAM	8	0	21.09	21.17	21.13				
3	64QAM	8	4	21.27	21.20	21.33	22	3		
3	64QAM	8	4	21.31	21.18	21.30				
3	64QAM	15	0	21.28	21.24	21.12				
Channel				23021	23036	23173	Turn-up time (dB)	MPR (dB)		
Frequency (MHz)				699	7017	715.3				
1.4	QPSK	1	0	24.28	24.23	24.26				
1.4	QPSK	1	0	24.25	24.21	24.21	25	0		
1.4	QPSK	1	5	24.21	24.27	24.23				
1.4	QPSK	3	0	24.25	24.20	24.29				
1.4	QPSK	3	0	24.26	24.20	24.29				
1.4	QPSK	3	0	24.26	24.20	24.23				
1.4	QPSK	6	0	23.12	23.22	23.16	24	1		
1.4	16QAM	1	0	23.07	23.06	23.13				
1.4	16QAM	1	0	23.17	23.14	23.14				
1.4	16QAM	1	5	23.13	23.13	23.07	24	1		
1.4	16QAM	3	0	23.16	23.26	23.24				
1.4	16QAM	3	1	23.26	23.25	23.23				
1.4	16QAM	6	0	22.19	22.18	22.12	23	2		
1.4	64QAM	1	0	22.29	22.16	22.24				
1.4	64QAM	1	0	22.34	22.23	22.27				
1.4	64QAM	1	5	22.14	22.08	22.11				
1.4	64QAM	3	0	22.21	22.27	22.26	23	2		
1.4	64QAM	3	1	22.31	22.17	22.23				
1.4	64QAM	6	0	22.25	22.22	22.22				
1.4	64QAM	6	0	21.19	21.04	21.09	22	3		

Band 12_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Flow Ch./Power Flow Ch						

Band 13_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
23230										
Frequency (MHz)										
10	QPSK	1	0	24.17			25	0		
10	QPSK	1	25	24.13						
10	QPSK	1	49	23.88						
10	QPSK	25	0	23.11			24	1		
10	QPSK	25	12	22.89						
10	QPSK	25	25	23.10						
10	QPSK	50	0	22.98			24	1		
10	16QAM	1	0	23.12						
10	16QAM	1	25	22.91						
10	16QAM	1	49	23.32			23	2		
10	16QAM	25	0	22.10						
10	16QAM	25	12	21.98						
10	16QAM	25	25	22.11			23	2		
10	16QAM	50	0	22.05						
10	64QAM	1	0	22.61						
10	64QAM	1	25	22.13			22	3		
10	64QAM	1	49	22.04						
10	64QAM	25	0	21.00						
10	64QAM	25	12	20.98			22	3		
10	64QAM	25	25	21.12						
10	64QAM	50	0	21.06						
Channel										
23205 23230 23255										
Frequency (MHz)										
5	QPSK	1	0	24.13	24.10	24.04	25	0		
5	QPSK	1	12	24.08	24.05	23.98				
5	QPSK	1	24	23.86	23.84	23.72				
5	QPSK	12	0	23.07	23.03	23.02	24	1		
5	QPSK	12	7	22.81	22.87	22.84				
5	QPSK	12	13	23.01	23.06	23.00				
5	QPSK	25	0	22.82	22.88	22.85	24	1		
5	16QAM	1	0	23.09	23.00	23.05				
5	16QAM	1	12	22.85	22.89	22.79				
5	16QAM	1	24	23.28	23.20	23.19	23	2		
5	16QAM	12	0	22.07	22.02	21.94				
5	16QAM	12	7	21.96	21.97	21.83				
5	16QAM	12	13	22.09	22.10	22.05	23	2		
5	16QAM	25	0	21.96	21.89	21.95				
5	64QAM	1	12	22.00	22.02	22.04				
5	64QAM	1	24	21.91	21.88	21.91	22	3		
5	64QAM	12	0	20.98	20.93	20.91				
5	64QAM	12	7	20.86	20.88	20.90				
5	64QAM	12	13	21.04	21.09	21.08	22	3		
5	64QAM	25	0	20.96	21.01	20.99				

Band 13_Ant 31								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
23230								
Frequency (MHz)								
10	QPSK	1	0	24.16			25	0
10	QPSK	1	25	24.11				
10	QPSK	1	49	23.94				
10	QPSK	25	0	23.17			24	1
10	QPSK	25	12	22.99				
10	QPSK	25	25	23.16				
10	QPSK	50	0	23.08			24	1
10	16QAM	1	0	23.58				
10	16QAM	1	25	23.26				
10	16QAM	1	49	23.32			24	1
10	16QAM	25	0	22.04				
10	16QAM	25	12	22.98				
10	16QAM	25	25	22.17			23	2
10	16QAM	50	0	22.10				
10	64QAM	1	0	22.28				
10	64QAM	1	25	22.52			23	2
10	64QAM	1	49	22.14				
10	64QAM	25	0	20.97				
10	64QAM	25	12	21.11			22	3
10	64QAM	25	25	21.08				
10	64QAM	50	0	21.00				
Channel								
23205 23230 23255								
Frequency (MHz)								
5	QPSK	1	0	24.07	24.14	24.11	25	0
5	QPSK	1	12	24.08	24.02	24.01		
5	QPSK	1	24	23.81	23.78	23.84		
5	QPSK	12	0	23.15	23.11	23.14	24	1
5	QPSK	12	7	22.85	22.89	22.85		
5	QPSK	12	13	23.05	23.15	23.13		
5	QPSK	25	0	23.04	22.95	23.04	24	1
5	16QAM	1	0	23.30	23.56	23.51		
5	16QAM	1	12	23.18	23.19	23.19		
5	16QAM	1	24	23.25	23.22	23.28	23	2
5	16QAM	12	0	21.96	22.01	21.93		
5	16QAM	12	7	22.00	22.05	21.93		
5	16QAM	12	13	22.14	22.10	22.02	23	2
5	16QAM	25	0	21.98	21.84	22.04		
5	64QAM	1	0	22.17	22.15	22.25		
5	64QAM	1	12	22.47	22.50	22.47	22	2
5	64QAM	1	24	22.09	21.98	22.12		
5	64QAM	12	0	20.82	20.85	20.80		
5	64QAM	12	7	21.02	21.06	21.08	22	3
5	64QAM	12	13	21.06	21.02	21.01		
5	64QAM	25	0	20.89	20.99	20.92	22	3

Band 17_Ant 13								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Channel				23760	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.45	23.51	23.41	24.5	0
10	QPSK	1	25	23.41	23.49	23.37		
10	QPSK	1	49	23.38	23.47	23.39		
10	QPSK	25	0	22.94	22.98	22.85	24	0.5
10	QPSK	25	12	22.91	22.93	22.80		
10	QPSK	25	25	22.89	22.97	22.78		
10	QPSK	50	0	22.87	22.90	22.85	24	0.5
10	16QAM	1	0	22.92	22.90	22.82		
10	16QAM	1	25	22.88	22.89	22.76		
10	16QAM	1	49	22.87	22.90	22.85	23	1.5
10	16QAM	25	0	21.92	21.95	21.76		
10	16QAM	25	12	21.91	21.92	21.85		
10	16QAM	25	25	21.85	21.95	21.78	23	1.5
10	16QAM	50	0	21.90	21.97	21.81		
10	64QAM	1	0	21.85	21.96	21.85		
10	64QAM	1	25	21.91	21.88	21.81	23	1.5
10	64QAM	1	49	21.93	21.95	21.82		
10	64QAM	25	0	20.92	20.88	20.76		
10	64QAM	25	12	20.86	20.93	20.82	22	2.5
10	64QAM	25	25	20.93	20.97	20.80		
10	64QAM	50	0	20.90	20.96	20.81		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	715.5		
5	QPSK	1	0	23.43	23.44	23.46	24.5	0
5	QPSK	1	12	23.48	23.39	23.40		
5	QPSK	1	24	23.38	23.37	23.46		
5	QPSK	12	0	22.91	22.89	22.92	24	0.5
5	QPSK	12	7	22.87	22.90	22.80		
5	QPSK	12	13	22.91	22.96	22.88		
5	QPSK	25	0	22.87	22.82	22.87	24	0.5
5	16QAM	1	0	22.85	22.88	22.85		
5	16QAM	1	12	22.83	22.87	22.83		
5	16QAM	1	24	22.95	22.90	22.91	23	1.5
5	16QAM	12	0	21.89	21.87	21.91		
5	16QAM	12	7	21.82	21.83	21.80		
5	16QAM	12	13	21.94	21.88	21.87	23	1.5
5	16QAM	25	0	21.91	21.89	21.86		
5	64QAM	1	0	21.94	21.95	21.89		
5	64QAM	1	12	21.83	21.82	21.80	23	1.5
5	64QAM	1	24	21.85	21.94	21.87		
5	64QAM	12	0	20.84	20.83	20.86		
5	64QAM	12	7	20.95	20.92	20.87	22	2.5
5	64QAM	12	13	20.92	20.94	20.93		
5	64QAM	25	0	20.94	20.90	20.94	22	2.5

Band 17_Ant 31	
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Band 26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Mod	Power Hgh Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.95	24.96	25.93			
15	QPSK	1	37	23.95	23.17	22.66			
15	QPSK	1	74	23.80	23.79	23.59			
15	QPSK	36	0	22.91	22.92	22.50			
15	QPSK	36	20	22.80	22.86	22.84			
15	QPSK	36	59	22.89	22.86	22.85			
15	QPSK	75	0	22.94	22.99	22.76			
15	16QAM	1	0	23.15	23.11	23.29			
15	16QAM	1	37	23.05	22.27	21.82			
15	16QAM	1	74	23.24	23.24	22.87			
15	16QAM	36	0	21.90	21.82	21.94			
15	16QAM	36	20	21.97	21.94	21.83			
15	16QAM	36	59	22.00	21.91	21.89			
15	16QAM	75	0	21.96	21.84	21.82			
15	64QAM	1	0	22.14	22.04	22.13			
15	64QAM	1	37	22.06	22.07	21.82			
15	64QAM	1	74	22.08	21.76	21.69			
15	64QAM	36	0	20.89	20.74	20.88			
15	64QAM	36	20	21.07	20.82	20.80			
15	64QAM	36	59	21.09	20.97	20.95			
15	64QAM	75	0	21.06	20.81	20.85			
Channel									
Frequency (MHz)				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
				810	831.5	844			
10	QPSK	1	0	23.84	23.34	23.87			
10	QPSK	1	25	23.62	23.69	23.81			
10	QPSK	1	49	23.79	23.64	23.52			
10	QPSK	25	0	22.89	22.90	22.82			
10	QPSK	25	12	22.77	22.93	22.71			
10	QPSK	25	25	22.75	22.74	22.80			
10	QPSK	50	0	22.82	22.98	22.87			
10	16QAM	1	0	23.11	23.06	23.30			
10	16QAM	1	25	23.20	23.08	22.96			
10	16QAM	1	49	23.23	23.09	22.55			
10	16QAM	25	0	21.83	21.73	21.89			
10	16QAM	25	12	21.88	21.79	21.87			
10	16QAM	25	25	21.90	21.80	21.81			
10	16QAM	50	0	21.83	21.73	21.79			
10	64QAM	1	0	21.86	21.72	21.83			
10	64QAM	1	25	22.03	22.26	21.80			
10	64QAM	1	49	21.96	21.75	21.68			
10	64QAM	25	0	20.87	20.86	20.85			
10	64QAM	25	12	20.85	20.72	20.79			
10	64QAM	25	25	20.85	20.91	20.87			
10	64QAM	50	0	20.89	20.75	20.80			
Channel									
Frequency (MHz)				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
				810.5	831.5	846.5			
5	QPSK	1	0	23.76	23.90	23.74			
5	QPSK	1	12	23.73	23.69	23.77			
5	QPSK	1	24	23.77	23.68	23.67			
5	QPSK	12	0	22.84	22.92	22.83			
5	QPSK	12	7	22.78	22.70	22.70			
5	QPSK	12	13	22.83	22.76	22.81			
5	QPSK	25	0	22.92	22.88	22.63			
5	16QAM	1	0	23.00	23.08	23.35			
5	16QAM	1	12	23.27	23.12	22.51			
5	16QAM	1	24	23.18	23.12	22.56			
5	16QAM	12	0	21.86	21.67	21.63			
5	16QAM	12	7	21.89	21.79	21.79			
5	16QAM	12	13	21.87	21.89	21.76			
5	16QAM	25	0	21.81	21.82	21.80			
5	16QAM	25	12	21.82	21.59	21.87			
5	64QAM	1	12	21.84	22.25	21.79			
5	64QAM	1	24	21.86	21.64	21.59			
5	64QAM	12	0	20.82	20.76	20.76			
5	64QAM	12	7	20.92	20.74	20.72			
5	64QAM	12	13	21.05	20.94	20.90			
5	64QAM	25	0	20.95	20.73	20.75			
Channel									
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.80	23.96	23.80			
3	QPSK	1	8	23.75	23.78	23.78			
3	QPSK	1	14	23.73	23.67	23.56			
3	QPSK	8	0	22.79	22.85	22.88			
3	QPSK	8	4	22.79	22.79	22.72			
3	QPSK	8	7	22.81	22.81	22.72			
3	QPSK	15	0	22.82	22.96	22.67			
3	16QAM	1	0	23.10	22.99	23.24			
3	16QAM	1	8	23.22	23.08	22.60			
3	16QAM	1	14	23.22	23.17	22.66			
3	16QAM	8	0	21.79	21.74	21.82			
3	16QAM	8	4	21.96	21.77	21.79			
3	16QAM	8	7	21.99	21.88	21.75			
3	16QAM	15	0	21.95	21.80	21.71			
3	64QAM	1	0	22.08	22.02	22.04			
3	64QAM	1	8	21.96	22.23	21.81			
3	64QAM	1	14	21.90	21.74	21.71			
3	64QAM	8	0	20.73	20.94	20.89			
3	64QAM	8	4	20.93	20.88	20.79			
3	64QAM	8	7	20.97	20.81	20.81			
3	64QAM	15	0	21.03	20.76	20.71			
Channel									
Frequency (MHz)				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.42	23.43	23.32			
1.4	QPSK	1	3	23.30	23.44	23.26			
1.4	QPSK	1	5	23.32	23.25	23.33			
1.4	QPSK	3	0	23.48	23.54	23.34			
1.4	QPSK	3	1	23.38	23.37	23.30			
1.4	QPSK	3	23.69	23.74	23.72				
1.4	QPSK	6	0	22.92	22.91	22.86			
1.4	16QAM	1	0	22.85	22.73	22.86			
1.4	16QAM	1	3	22.89	22.90	22.86			
1.4	16QAM	1	5	22.92	22.93	22.78			
1.4	16QAM	3	0	23.03	23.05	22.89			
1.4	16QAM	3	1	23.05	23.09	22.99			
1.4	16QAM	3	23.00	22.94	22.94				
1.4	16QAM	6	0	21.80	21.80	21.79			
1.4	64QAM	1	0	21.90	21.80	21.82			
1.4	64QAM	1	3	21.88	21.96	21.85			
1.4	64QAM	1	5	21.89	21.82	21.80			
1.4	64QAM	3	0	21.89	21.86	22.03			
1.4	64QAM	3	1	22.10	21.96	22.04			
1.4	64QAM	3	23.16	21.96	21.96				
1.4	64QAM	6	0	20.93	20.76	20.80			

Band 26_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Mod	Power Hgh Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.76	23.91	23.69			
15	QPSK	1	37	23.73	23.79	23.57			
15	QPSK	1	74	23.75	23.71	23.89			
15	QPSK	36	0	22.90	22.91	22.85			
15	QPSK	36	20	22.87	22.78	22.79			
15	QPSK	36	59	22.89	22.82	22.73			
15	QPSK	75	0	22.83	22.60	22.81			
15	16QAM	1	0	22.79	23.34	23.36			
15	16QAM	1	37	23.21	23.00	23.04			
15	16QAM	1	74	22.89	23.45	23.02			
15	16QAM	36	0	21.88	21.88	21.89			
15	16QAM	36	20	22.00	21.82	21.79			
15	16QAM	36	59	21.92	21.89	21.82			
15	16QAM	75	0	21.90	21.78	21.87			
15	64QAM	1	0	21.83	21.81	22.15			
15	64QAM	1	37	21.90	22.04	21.81			
15	64QAM	1	74	22.04	21.77	21.99			
15	64QAM	36	0	20.93	20.68	20.88			
15	64QAM	36	20	20.91	20.80	21.02			
15	64QAM	36	59	20.93	20.84	20.92			
15	64QAM	75	0	20.82	20.75	20.87			
Channel									
Frequency (MHz)				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
				810	831.5	844			
10	QPSK	1	0	23.81	23.74	23.78			
10	QPSK	1	25	23.70	23.65	23.62			
10	QPSK	1	49	23.71	23.63	23.76			
10	QPSK	25	0	22.74	22.76	22.69			
10	QPSK	25	12	22.74	22.66	22.73			
10	QPSK	25	25	22.87	22.80	22.71			
10	QPSK	50	0	22.71	22.86	22.65			
10	16QAM	1	0	23.11	23.30	23.31			
10	16QAM	1	25	23.19	22.97	22.94			

Band 66_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132122	132172				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	16.52	16.61	16.33		17.5	0	
20	QPSK	1	49	16.50	16.51	16.51				
20	QPSK	1	99	16.47	16.48	16.35				
20	QPSK	50	0	16.51	16.55	16.44	17.5	0		
20	QPSK	50	24	16.47	16.48	16.35				
20	QPSK	50	50	16.48	16.50	16.42				
20	QPSK	100	0	16.45	16.50	16.36	17.5	0		
20	16QAM	1	0	16.49	16.51	16.39				
20	16QAM	1	49	16.43	16.51	16.38				
20	16QAM	1	99	16.41	16.50	16.39	17.5	0		
20	16QAM	50	0	16.45	16.48	16.35				
20	16QAM	50	24	16.46	16.45	16.37				
20	16QAM	50	50	16.49	16.50	16.40	17.5	0		
20	64QAM	1	0	16.42	16.50	16.37				
20	64QAM	1	49	16.43	16.52	16.40				
20	64QAM	1	99	16.41	16.54	16.34	17.5	0		
20	64QAM	50	0	16.46	16.50	16.40				
20	64QAM	50	24	16.44	16.47	16.43				
20	64QAM	50	50	16.41	16.53	16.35	17.5	0		
20	64QAM	100	0	16.44	16.54	16.40				
Channel				132047	132122	132597				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	16.53	16.55	16.45	17.5			
15	QPSK	1	37	16.44	16.48	16.41				
15	QPSK	1	74	16.51	16.54	16.49				
15	QPSK	36	0	16.51	16.47	16.54	17.5	0		
15	QPSK	36	20	16.38	16.47	16.42				
15	QPSK	36	39	16.47	16.45	16.45				
15	QPSK	75	0	16.41	16.42	16.44	17.5	0		
15	16QAM	1	0	16.49	16.41	16.47				
15	16QAM	1	37	16.45	16.48	16.48				
15	16QAM	1	74	16.45	16.47	16.44	17.5	0		
15	16QAM	36	0	16.45	16.41	16.39				
15	16QAM	36	20	16.39	16.40	16.41				
15	16QAM	36	39	16.46	16.44	16.43	17.5	0		
15	16QAM	75	0	16.47	16.41	16.40				
15	64QAM	1	0	16.41	16.44	16.48				
15	64QAM	1	37	16.43	16.50	16.49	17.5	0		
15	64QAM	1	74	16.46	16.46	16.52				
15	64QAM	36	0	16.40	16.48	16.49				
15	64QAM	36	20	16.37	16.41	16.43	17.5	0		
15	64QAM	36	39	16.43	16.40	16.43				
15	64QAM	75	0	16.50	16.49	16.49				
Channel				132022	132122	132522				
Frequency (MHz)				1715	1745	1772				
10	QPSK	1	0	16.60	16.57	16.59		17.5		
10	QPSK	1	25	16.46	16.43	16.46				
10	QPSK	1	49	16.57	16.57	16.48				
10	QPSK	25	0	16.50	16.54	16.46	17.5	0		
10	QPSK	25	12	16.44	16.40	16.39				
10	QPSK	25	25	16.40	16.48	16.41				
10	QPSK	50	0	16.43	16.44	16.42	17.5	0		
10	16QAM	1	0	16.44	16.46	16.47				
10	16QAM	1	25	16.46	16.46	16.44				
10	16QAM	1	49	16.44	16.48	16.43	17.5	0		
10	16QAM	25	0	16.48	16.40	16.38				
10	16QAM	25	12	16.41	16.40	16.42				
10	16QAM	25	25	16.42	16.42	16.40	17.5	0		
10	16QAM	50	0	16.40	16.46	16.41				
10	16QAM	1	0	16.46	16.42	16.42				
10	64QAM	1	25	16.46	16.45	16.49	17.5	0		
10	64QAM	1	49	16.53	16.44	16.50				
10	64QAM	25	0	16.46	16.41	16.49				
10	64QAM	25	12	16.45	16.41	16.41	17.5	0		
10	64QAM	25	25	16.48	16.49	16.52				
10	64QAM	50	0	16.44	16.45	16.45				
Channel				131997	132122	132517				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	16.58	16.59	16.58		17.5		
5	QPSK	1	12	16.47	16.50	16.44				
5	QPSK	1	24	16.55	16.50	16.50				
5	QPSK	12	0	16.45	16.48	16.50	17.5	0		
5	QPSK	12	7	16.39	16.39	16.47				
5	QPSK	12	13	16.41	16.44	16.47				
5	QPSK	25	0	16.47	16.40	16.48	17.5	0		
5	16QAM	1	0	16.50	16.41	16.47				
5	16QAM	1	12	16.49	16.48	16.49				
5	16QAM	1	24	16.40	16.42	16.41	17.5	0		
5	16QAM	12	0	16.41	16.41	16.40				
5	16QAM	12	7	16.44	16.41	16.36				
5	16QAM	12	13	16.40	16.41	16.42	17.5	0		
5	16QAM	25	0	16.44	16.38	16.45				
5	64QAM	1	0	16.42	16.40	16.40				
5	64QAM	1	12	16.50	16.48	16.49	17.5	0		
5	64QAM	1	24	16.52	16.47	16.44				
5	64QAM	12	0	16.45	16.44	16.41				
5	64QAM	12	7	16.41	16.39	16.43	17.5	0		
5	64QAM	12	13	16.45	16.51	16.52				
5	64QAM	25	0	16.47	16.44	16.49				
Channel				131997	132122	132607				
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	16.53	16.60	16.59		17.5		
3	QPSK	1	8	16.42	16.44	16.42				
3	QPSK	1	14	16.56	16.53	16.50				
3	QPSK	8	0	16.51	16.52	16.48	17.5	0		
3	QPSK	8	4	16.40	16.40	16.43				
3	QPSK	8	7	16.41	16.40	16.42				
3	QPSK	15	0	16.41	16.42	16.49	17.5	0		
3	16QAM	1	0	16.45	16.48	16.47				
3	16QAM	1	8	16.42	16.44	16.46				
3	16QAM	1	14	16.44	16.47	16.47	17.5	0		
3	16QAM	8	0	16.38	16.46	16.47				
3	16QAM	8	4	16.42	16.39	16.36				
3	16QAM	8	7	16.40	16.40	16.44	17.5	0		
3	16QAM	15	0	16.40	16.45	16.42				
3	64QAM	1	0	16.42	16.47	16.48				
3	64QAM	1	8	16.50	16.50	16.46	17.5	0		
3	64QAM	1	14	16.48	16.49	16.51				
3	64QAM	8	0	16.48	16.40	16.45				
3	64QAM	8	4	16.39	16.41	16.40	17.5	0		
3	64QAM	8	7	16.44	16.51	16.52				
3	64QAM	15	0	16.48	16.47	16.49				
Channel				131979	132122	132665				
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	16.60	16.56	16.51		17.5		
1.4	QPSK	1	3	16.45	16.44	16.47				
1.4	QPSK	1	5	16.57	16.51	16.50				
1.4	QPSK	3	0	16.46	16.48	16.50	17.5	0		
1.4	QPSK	3	1	16.45	16.47	16.41				
1.4	QPSK	3	3	16.45	16.41	16.42				
1.4	QPSK	6	0	16.44	16.48	16.47	17.5	0		
1.4	16QAM	1	0	16.45	16.42	16.41				
1.4	16QAM	1	3	16.45	16.50	16.46				
1.4	16QAM	1	5							

Band 38_Ant 13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	14.51	14.51	14.53	15.5	0				
20	QPSK	1	49	14.45	14.51	14.53						
20	QPSK	1	99	14.47	14.50	14.48						
20	QPSK	50	0	14.47	14.56	14.49						
20	QPSK	50	50	14.42	14.52	14.41						
20	QPSK	50	50	14.39	14.47	14.43	15.5	0				
20	QPSK	100	0	14.38	14.53	14.38						
20	16QAM	1	0	14.46	14.51	14.37						
20	16QAM	1	49	14.37	14.49	14.45						
20	16QAM	1	99	14.43	14.50	14.42						
20	16QAM	50	0	14.41	14.55	14.39	15.5	0				
20	16QAM	50	24	14.30	14.46	14.36						
20	16QAM	50	50	14.41	14.49	14.36						
20	16QAM	100	0	14.43	14.51	14.41						
20	64QAM	1	0	14.44	14.50	14.45						
20	64QAM	1	49	14.42	14.50	14.42	15.5	0				
20	64QAM	1	99	14.39	14.51	14.39						
20	64QAM	50	0	14.41	14.53	14.42						
20	64QAM	50	24	14.41	14.46	14.36						
20	64QAM	50	50	14.41	14.51	14.44						
20	64QAM	100	0	14.37	14.46	14.44	15.5	0				
Channel												
Frequency (MHz)				2572.5	2595	3017.5						
15	QPSK	1	0	14.51	14.55	14.54	15.5	0				
15	QPSK	1	37	14.47	14.46	14.46						
15	QPSK	1	74	14.48	14.48	14.47						
15	QPSK	36	0	14.54	14.53	14.50						
15	QPSK	36	20	14.45	14.49	14.42						
15	QPSK	36	39	14.38	14.42	14.38	15.5	0				
15	QPSK	75	0	14.45	14.44	14.48						
15	16QAM	1	0	14.43	14.45	14.48						
15	16QAM	1	37	14.44	14.39	14.39						
15	16QAM	1	74	14.45	14.49	14.42						
15	16QAM	36	0	14.45	14.53	14.53	15.5	0				
15	16QAM	36	20	14.39	14.36	14.41						
15	16QAM	36	39	14.39	14.43	14.48						
15	16QAM	75	0	14.42	14.48	14.47						
15	64QAM	1	0	14.49	14.46	14.46						
15	64QAM	1	37	14.47	14.44	14.44	15.5	0				
15	64QAM	1	74	14.46	14.43	14.48						
15	64QAM	36	0	14.44	14.51	14.49						
15	64QAM	36	20	14.41	14.43	14.45						
15	64QAM	36	39	14.44	14.47	14.48						
15	64QAM	75	0	14.39	14.46	14.45	15.5	0				
Channel												
Frequency (MHz)				3760	3800	3820						
10	QPSK	1	0	14.48	14.48	14.52	15.5	0				
10	QPSK	1	25	14.42	14.50	14.43						
10	QPSK	1	49	14.47	14.42	14.40						
10	QPSK	25	0	14.48	14.50	14.46						
10	QPSK	25	12	14.44	14.44	14.50						
10	QPSK	25	25	14.37	14.46	14.42	15.5	0				
10	QPSK	50	0	14.50	14.47	14.52						
10	16QAM	1	0	14.50	14.44	14.46						
10	16QAM	1	25	14.43	14.45	14.41						
10	16QAM	1	49	14.42	14.45	14.49						
10	16QAM	25	0	14.53	14.45	14.46	15.5	0				
10	16QAM	25	12	14.41	14.44	14.41						
10	16QAM	25	25	14.42	14.47	14.45						
10	16QAM	50	0	14.42	14.42	14.46						
10	64QAM	1	0	14.41	14.46	14.47						
10	64QAM	1	25	14.47	14.45	14.47	15.5	0				
10	64QAM	1	49	14.44	14.45	14.49						
10	64QAM	25	0	14.51	14.49	14.46						
10	64QAM	25	12	14.41	14.40	14.44						
10	64QAM	25	25	14.50	14.50	14.47						
10	64QAM	50	0	14.38	14.45	14.43	15.5	0				
Channel												
Frequency (MHz)				3777.5	3800	3822.5						
5	QPSK	1	0	14.55	14.49	14.52	15.5	0				
5	QPSK	1	12	14.47	14.42	14.45						
5	QPSK	1	24	14.42	14.47	14.41						
5	QPSK	12	0	14.50	14.50	14.50						
5	QPSK	12	7	14.43	14.47	14.43						
5	QPSK	12	13	14.42	14.38	14.46	15.5	0				
5	QPSK	25	0	14.45	14.47	14.48						
5	16QAM	1	0	14.42	14.50	14.41						
5	16QAM	1	12	14.41	14.47	14.47						
5	16QAM	1	24	14.43	14.40	14.45						
5	16QAM	12	0	14.51	14.49	14.45	15.5	0				
5	16QAM	12	7	14.40	14.39	14.44						
5	16QAM	12	13	14.43	14.44	14.42						
5	16QAM	25	0	14.49	14.49	14.47						
5	64QAM	1	0	14.48	14.48	14.42						
5	64QAM	1	12	14.46	14.46	14.42	15.5	0				
5	64QAM	1	24	14.46	14.42	14.50						
5	64QAM	12	0	14.51	14.44	14.52						
5	64QAM	12	7	14.39	14.37	14.43						
5	64QAM	12	13	14.43	14.46	14.44						
5	64QAM	25	0	14.45	14.44	14.41	15.5	0				

Band 38_Ant 31									
BW [MHz]	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)				2580	2595	2610			
20	QPSK	1	0	23.49	23.65	23.57	24.5	0	
20	QPSK	1	49	23.43	23.46	23.57			
20	QPSK	1	99	23.44	23.56	23.52			
20	QPSK	50	0	22.70	22.79	22.73	23.5	1	
20	QPSK	50	24	22.66	22.62	22.62			
20	QPSK	50	50	22.54	22.62	22.58			
20	QPSK	100	0	22.71	22.77	22.52	23.5	1	
20	16QAM	1	0	22.71	22.42	22.43			
20	16QAM	1	49	22.85	22.81	22.70			
20	16QAM	1	99	22.54	23.03	22.84	22.5	2	
20	16QAM	50	0	21.57	21.48	21.43			
20	16QAM	50	24	21.80	21.61	21.70			
20	16QAM	50	50	21.72	21.74	21.73	22.5	2	
20	64QAM	1	0	21.82	22.01	21.13			
20	64QAM	1	49	21.52	21.87	21.65			
20	64QAM	1	99	21.60	21.72	21.52	21.5	3	
20	64QAM	50	0	20.57	20.52	20.55			
20	64QAM	50	24	20.67	20.58	20.69			
20	64QAM	50	50	20.78	20.84	20.71	21.5	3	
20	64QAM	100	0	20.76	20.60	20.49			
Channel									
Frequency (MHz)				37625 <th>38000<th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38175 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25775 <th>25950<th>26105<th></th><th></th><th></th></th></th>	25950 <th>26105<th></th><th></th><th></th></th>	26105 <th></th> <th></th> <th></th>			
15	QPSK	1	0	23.37	23.50	23.56	24.5	0	
15	QPSK	1	37	23.30	23.31	23.56			
15	QPSK	1	74	23.30	23.47	23.43			
15	QPSK	36	0	22.54	22.66	22.63	23.5	1	
15	QPSK	36	20	22.52	22.51	22.61			
15	QPSK	36	39	22.49	22.54	22.52			
15	QPSK	75	0	22.60	22.63	22.46	23.5	1	
15	16QAM	1	0	22.57	22.30	22.31			
15	16QAM	1	37	22.83	22.71	22.83			
15	16QAM	1	74	22.47	22.87	22.83	22.5	2	
15	16QAM	36	0	21.47	21.45	21.35			
15	16QAM	36	20	21.74	21.54	21.65			
15	16QAM	36	39	21.63	21.73	21.65	21.5	3	
15	16QAM	75	0	21.58	21.58	21.61			
15	64QAM	1	0	21.67	21.53	21.69			
15	64QAM	1	37	21.76	21.63	21.59	22.5	2	
15	64QAM	1	74	21.59	21.67	21.42			
15	64QAM	36	0	20.48	20.47	20.42			
15	64QAM	36	20	20.59	20.53	20.58	21.5	3	
15	64QAM	36	39	20.71	20.69	20.66			
15	64QAM	75	0	20.65	20.50	20.40			
Channel									
Frequency (MHz)				37625 <th>38000<th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38175 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25775 <th>25950<th>26105<th></th><th></th><th></th></th></th>	25950 <th>26105<th></th><th></th><th></th></th>	26105 <th></th> <th></th> <th></th>			
10	QPSK	1	0	23.46	23.63	23.53	24.5	0	
10	QPSK	1	25	23.28	23.34	23.52			
10	QPSK	1	49	23.28	23.43	23.54			
10	QPSK	25	0	22.66	22.73	22.64	23.5	1	
10	QPSK	12	23	22.62	22.65	22.58			
10	QPSK	25	25	22.53	22.47	22.50			
10	QPSK	50	0	22.70	22.64	22.42	23.5	1	
10	16QAM	1	0	22.68	22.33	22.38			
10	16QAM	1	25	22.72	22.72	22.60			
10	16QAM	1	49	22.89	22.89	22.74	22.5	2	
10	16QAM	25	0	21.42	21.32	21.28			
10	16QAM	25	12	21.71	21.50	21.64			
10	16QAM	25	25	21.64	21.68	21.52	21.5	3	
10	16QAM	50	0	21.64	21.51	21.52			
10	64QAM	1	0	21.66	21.66	21.58			
10	64QAM	1	25	21.37	21.78	21.51	22.5	2	
10	64QAM	1	49	21.59	21.66	21.44			
10	64QAM	25	0	20.48	20.50	20.50			
10	64QAM	25	12	20.52	20.51	20.62	21.5	3	
10	64QAM	25	25	20.60	20.50	20.60			
10	64QAM	50	0	20.71	20.52	20.38			
Channel									
Frequency (MHz)				37775 <th>38000<th>38225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	38000 <th>38225<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38225 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25725 <th>25955<th>2617.5<th></th><th></th><th></th></th></th>	25955 <th>2617.5<th></th><th></th><th></th></th>	2617.5 <th></th> <th></th> <th></th>			
5	QPSK	1	0	23.33	23.55	23.48	24.5	0	
5	QPSK	1	12	23.30	23.37	23.41			
5	QPSK	1	24	23.31	23.52	23.42			
5	QPSK	12	0	22.62	22.63	22.54	23.5	1	
5	QPSK	12	7	22.63	22.46	22.58			
5	QPSK	12	13	22.60	22.49	22.48			
5	QPSK	25	0	22.67	22.61	22.42	23.5	1	
5	16QAM	1	0	22.57	22.28	22.30			
5	16QAM	1	12	22.49	22.65	22.57			
5	16QAM	1	24	22.45	22.87	22.74	22.5	2	
5	16QAM	12	0	21.56	21.41	21.35			
5	16QAM	12	7	21.77	21.55	21.51			
5	16QAM	12	13	21.65	21.63	21.59	21.5	3	
5	16QAM	25	0	21.07	21.03	21.48			
5	64QAM	1	0	21.07	21.97	21.03			
5	64QAM	1	12	21.42	21.83	21.33	22.5	2	
5	64QAM	1	24	21.57	21.65	21.51			
5	64QAM	12	0	20.52	20.46	20.51			
5	64QAM	12	7	20.58	20.58	20.53	21.5	3	
5	64QAM	12	13	20.77	20.82	20.70			
5	64QAM	25	0	20.75	20.58	20.34			



Band 41_Ant 13											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)				39750	40185	40620	41055	41400			
20	QPSK	1	0	15.97	15.56	15.68	15.56	15.98	16.5	0	
20	QPSK	1	49	15.55	15.48	15.56	15.48	15.50			
20	QPSK	1	99	15.52	15.55	15.60	15.47	15.50			
20	QPSK	50	0	15.55	15.47	15.63	15.54	15.56			
20	QPSK	50	24	15.53	15.38	15.62	15.51	15.50			
20	QPSK	50	50	15.48	15.42	15.56	15.48	15.47	16.5	0	
20	QPSK	100	0	15.52	15.40	15.56	15.47	15.48			
20	16QAM	1	0	15.48	15.40	15.82	15.52	15.47			
20	16QAM	1	49	15.47	15.42	15.58	15.44	15.48			
20	16QAM	1	99	15.48	15.39	15.62	15.50	15.55			
20	16QAM	50	0	15.46	15.45	15.54	15.48	15.50	16.5	0	
20	16QAM	50	24	15.52	15.43	15.53	15.49	15.55			
20	16QAM	50	50	15.45	15.43	15.59	15.47	15.48			
20	16QAM	100	0	15.48	15.37	15.55	15.52	15.54			
20	64QAM	1	0	15.53	15.45	15.57	15.51	15.54			
20	64QAM	1	49	15.50	15.40	15.53	15.52	15.54	16.5	0	
20	64QAM	1	99	15.51	15.45	15.55	15.45	15.50			
20	64QAM	50	0	15.53	15.45	15.62	15.45	15.52			
20	64QAM	50	24	15.54	15.37	15.56	15.48	15.53			
20	64QAM	50	50	15.45	15.41	15.58	15.47	15.46			
20	64QAM	100	0	15.45	15.40	15.58	15.48	15.47	16.5	0	
Channel											
Frequency (MHz)				39675 <th>40173<th>40620<th>41080<th>41115<th></th><th></th></th></th></th></th>	40173 <th>40620<th>41080<th>41115<th></th><th></th></th></th></th>	40620 <th>41080<th>41115<th></th><th></th></th></th>	41080 <th>41115<th></th><th></th></th>	41115 <th></th> <th></th>			
15	QPSK	1	0	15.57	15.60	15.59	15.63	15.62	16.5	0	
15	QPSK	1	37	15.53	15.49	15.48	15.49	15.51			
15	QPSK	1	74	15.50	15.55	15.58	15.52	15.54			
15	QPSK	36	0	15.59	15.60	15.55	15.60	15.61			
15	QPSK	36	20	15.58	15.56	15.56	15.59	15.59			
15	QPSK	36	39	15.52	15.52	15.55	15.48	15.54	16.5	0	
15	QPSK	75	0	15.47	15.51	15.46	15.48	15.52			
15	16QAM	1	0	15.55	15.54	15.54	15.61	15.53			
15	16QAM	1	37	15.51	15.55	15.54	15.47	15.51			
15	16QAM	1	74	15.54	15.56	15.57	15.58	15.61			
15	16QAM	36	0	15.53	15.52	15.47	15.51	15.45	16.5	0	
15	16QAM	36	20	15.47	15.52	15.49	15.45	15.51			
15	16QAM	36	39	15.56	15.54	15.49	15.57	15.53			
15	16QAM	75	0	15.54	15.45	15.53	15.48	15.48			
15	64QAM	1	0	15.54	15.55	15.55	15.67	15.56			
15	64QAM	1	37	15.49	15.51	15.52	15.49	15.45	16.5	0	
15	64QAM	1	74	15.50	15.49	15.46	15.44	15.50			
15	64QAM	36	0	15.54	15.56	15.52	15.61	15.55			
15	64QAM	36	20	15.53	15.53	15.47	15.47	15.54			
15	64QAM	36	39	15.54	15.56	15.54	15.55	15.49			
15	64QAM	75	0	15.50	15.54	15.50	15.52	15.49	16.5	0	
Channel											
Frequency (MHz)				39700 <th>40180<th>40620<th>41080<th>41400<th></th><th></th></th></th></th></th>	40180 <th>40620<th>41080<th>41400<th></th><th></th></th></th></th>	40620 <th>41080<th>41400<th></th><th></th></th></th>	41080 <th>41400<th></th><th></th></th>	41400 <th></th> <th></th>			
10	QPSK	1	0	15.60	15.65	15.57	15.59	15.65	16.5	0	
10	QPSK	1	25	15.48	15.50	15.55	15.49	15.55			
10	QPSK	1	49	15.54	15.53	15.56	15.53	15.56			
10	QPSK	24	0	15.59	15.60	15.55	15.56	15.61			
10	QPSK	25	12	15.60	15.58	15.58	15.57	15.57			
10	QPSK	25	25	15.50	15.48	15.54	15.51	15.54	16.5	0	
10	QPSK	50	0	15.53	15.49	15.48	15.49	15.47			
10	16QAM	1	0	15.57	15.60	15.54	15.58	15.58			
10	16QAM	1	25	15.51	15.56	15.52	15.53	15.56			
10	16QAM	1	49	15.52	15.52	15.53	15.53	15.57			
10	16QAM	25	0	15.50	15.48	15.50	15.44	15.46	16.5	0	
10	16QAM	25	12	15.52	15.43	15.45	15.43	15.47			
10	16QAM	25	25	15.52	15.51	15.56	15.53	15.53			
10	16QAM	50	0	15.47	15.52	15.48	15.48	15.53			
10	64QAM	1	0	15.49	15.49	15.55	15.52	15.54			
10	64QAM	1	25	15.48	15.43	15.44	15.43	15.49	16.5	0	
10	64QAM	1	49	15.44	15.48	15.45	15.52	15.46			
10	64QAM	25	0	15.56	15.55	15.58	15.54	15.56			
10	64QAM	25	12	15.48	15.49	15.51	15.49	15.53			
10	64QAM	25	25	15.57	15.53	15.57	15.57	15.50			
10	64QAM	50	0	15.56	15.54	15.57	15.49	15.55	16.5	0	
Channel											
Frequency (MHz)				39675 <th>40148<th>40620<th>41093<th>41565<th></th><th></th></th></th></th></th>	40148 <th>40620<th>41093<th>41565<th></th><th></th></th></th></th>	40620 <th>41093<th>41565<th></th><th></th></th></th>	41093 <th>41565<th></th><th></th></th>	41565 <th></th> <th></th>			
5	QPSK	1	0	15.62	15.62	15.59	15.58	15.64	16.5	0	
5	QPSK	1	12	15.48	15.54	15.46	15.54	15.46			
5	QPSK	1	24	15.57	15.57	15.54	15.55	15.55			
5	QPSK	12	0	15.53	15.58	15.61	15.53	15.61			
5	QPSK	12	7	15.60	15.61	15.54	15.55	15.54			
5	QPSK	12	13	15.46	15.51	15.53	15.48	15.47	16.5	0	
5	QPSK	25	0	15.55	15.47	15.46	15.50	15.49			
5	16QAM	1	0	15.61	15.53	15.57	15.58	15.59			
5	16QAM	1	12	15.51	15.51	15.57	15.57	15.48			
5	16QAM	1	24	15.54	15.56	15.57	15.53	15.60			
5	16QAM	12	0	15.45	15.49	15.52	15.45	15.53	16.5	0	
5	16QAM	12	7	15.52	15.47	15.52	15.50	15.51			
5	16QAM	12	13	15.57	15.51	15.57	15.55	15.51			
5	16QAM	25	0	15.50	15.54	15.49	15.45	15.48			
5	64QAM	1	0	15.56	15.50	15.50	15.47	15.50			
5	64QAM	1	12	15.47	15.45	15.45	15.50	15.50	16.5	0	
5	64QAM	1	24	15.44	15.47	15.44	15.51	15.44			
5	64QAM	12	0	15.53	15.53	15.52	15.52	15.55			
5	64QAM	12	7	15.48	15.54	15.54	15.49	15.54			
5	64QAM	12	13	15.54	15.57	15.52	15.55	15.53			
5	64QAM	25	0	15.57	15.53	15.55	15.57	15.52	16.5	0	
5	64QAM	25	0	15.57	15.53	15.55	15.57	15.52			

Band 41_Ant 31												
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	40620	41055	41490				
Frequency (MHz)				26015	26435	26872	26355	26855				
20	QPSK	1	0	23.29	23.46	23.72	23.50	23.81	24.5	0		
20	QPSK	1	49	23.19	23.40	23.55	23.48	23.49				
20	QPSK	1	99	23.22	23.32	23.45	23.38	23.25				
20	QPSK	50	0	22.60	22.66	22.70	22.57	22.66				
20	QPSK	50	24	22.55	22.58	22.59	22.54	22.52				
20	QPSK	50	50	22.59	22.82	22.59	22.55	22.66	23.5	1		
20	QPSK	100	0	22.47	22.81	22.69	22.45	22.51				
20	16QAM	1	0	22.06	22.54	22.51	22.26	22.48				
20	16QAM	1	49	22.31	22.63	22.56	22.37	22.23				
20	16QAM	1	99	22.31	22.33	22.86	22.42	22.55				
20	16QAM	50	0	21.41	21.52	21.59	21.55	21.68	22.5	2		
20	16QAM	50	24	21.50	21.62	21.56	21.54	21.58				
20	16QAM	50	50	21.51	21.46	21.69	21.52	21.67				
20	16QAM	100	0	21.51	21.48	21.63	21.31	21.54				
20	64QAM	1	0	21.27	21.57	21.35	21.88	21.35				
20	64QAM	1	49	21.45	21.50	21.43	21.51	21.30	22.5	2		
20	64QAM	1	99	21.09	21.31	21.78	21.34	21.72				
20	64QAM	50	0	20.48	20.53	20.44	20.41	20.54				
20	64QAM	50	24	20.50	20.80	20.58	20.49	20.55				
20	64QAM	50	50	20.41	20.50	20.83	20.63	20.71				
20	64QAM	100	0	20.46	20.56	20.58	20.50	20.61	21.5	3		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				26015	26435	26903	26379	26855				
15	QPSK	1	0	23.15	23.37	23.67	23.35	23.62	24.5	0		
15	QPSK	1	37	23.15	23.24	23.45	23.33	23.41				
15	QPSK	1	74	23.07	23.30	23.42	23.27	23.48				
15	QPSK	36	0	22.57	22.63	22.63	22.41	22.63				
15	QPSK	36	20	22.44	22.54	22.48	22.40	22.44				
15	QPSK	36	39	22.51	22.59	22.39	22.39	22.63	23.5	1		
15	QPSK	75	0	22.37	22.51	22.52	22.38	22.38				
15	16QAM	1	0	22.01	22.49	22.46	22.21	22.39				
15	16QAM	1	37	22.18	22.48	22.54	22.31	22.43				
15	16QAM	1	74	22.17	22.26	22.66	22.37	22.14				
15	16QAM	36	0	21.28	21.51	21.34	21.42	21.59	22.5	2		
15	16QAM	36	20	21.44	21.58	21.54	21.42	21.42				
15	16QAM	36	39	21.37	21.40	21.63	21.47	21.65				
15	16QAM	75	0	21.46	21.46	21.48	21.18	21.46				
15	64QAM	1	0	21.16	21.43	21.21	21.47	21.34				
15	64QAM	1	37	21.35	21.35	21.37	21.43	21.28	22.5	2		
15	64QAM	1	74	20.98	21.37	21.72	21.22	21.62				
15	64QAM	36	0	20.37	20.37	20.40	20.34	20.38				
15	64QAM	36	20	20.43	20.47	20.48	20.34	20.49				
15	64QAM	36	39	20.27	20.38	20.80	20.54	20.67				
15	64QAM	75	0	20.34	20.51	20.45	20.57	20.57	21.5	3		
Channel				39700	40160	40620	41080	41450				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.18	23.33	23.56	23.45	23.52	24.5	0		
10	QPSK	1	25	23.16	23.25	23.44	23.33	23.36				
10	QPSK	1	49	23.16	23.29	23.41	23.24	23.35				
10	QPSK	25	0	22.46	22.52	22.52	22.39	22.57				
10	QPSK	25	12	22.53	22.48	22.53	22.39	22.47				
10	QPSK	25	25	22.55	22.48	22.50	22.40	22.63	23.5	1		
10	QPSK	50	0	22.33	22.48	22.54	22.39	22.36				
10	16QAM	1	0	21.97	22.45	22.49	22.21	22.39				
10	16QAM	1	25	22.19	22.54	22.52	22.26	22.26				
10	16QAM	1	49	22.15	22.19	22.19	21.38	22.46				
10	16QAM	25	0	21.27	21.40	21.52	21.54	21.57	22.5	2		
10	16QAM	25	12	21.36	21.48	21.45	21.43	21.56				
10	16QAM	25	25	21.46	21.32	21.68	21.46	21.64				
10	16QAM	50	0	21.46	21.36	21.68	21.36	21.50				
10	64QAM	1	0	21.11	21.56	21.31	21.74	21.30				
10	64QAM	1	25	21.39	21.48	21.38	21.38	21.20	22.5	2		
10	64QAM	1	49	20.98	21.48	21.66	21.20	21.69				
10	64QAM	25	0	20.40	20.41	20.29	20.33	20.49				
10	64QAM	25	12	20.41	20.50	20.56	20.34	20.54				
10	64QAM	25	25	20.45	20.46	20.46	20.67	20.67				
10	64QAM	50	0	20.40	20.40	20.45	20.35	20.45	21.5	3		
Channel				39675	40148	40620	41083	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.16	23.44	23.59	23.40	23.48	24.5	0		
5	QPSK	1	12	23.04	23.37	23.51	23.43	23.46				
5	QPSK	1	24	23.20	23.21	23.46	23.39	23.46				
5	QPSK	12	0	22.50	22.64	22.65	22.56	22.60				
5	QPSK	12	7	22.50	22.44	22.54	22.48	22.39				
5	QPSK	12	13	22.48	22.61	22.52	22.49	22.56	23.5	1		
5	QPSK	25	0	22.40	22.51	22.62	22.43	22.45				
5	16QAM	1	0	21.99	22.42	22.43	22.25	22.38				
5	16QAM	1	12	22.29	22.29	22.43	22.43	22.19				
5	16QAM	1	24	22.23	22.31	22.74	22.35	22.42				
5	16QAM	12	0	21.26	21.41	21.48	21.53	21.57	22.5	2		
5	16QAM	12	7	21.34	21.46	21.43	21.40	21.41				
5	16QAM	12	13	21.40	21.42	21.63	21.41	21.54				
5	16QAM	25	0	21.46	21.34	21.34	21.44	21.44				
5	64QAM	1	0	21.23	21.56	21.29	21.75	21.32				
5	64QAM	1	12	21.37	21.39	21.37	21.36	21.21	22.5	2		
5	64QAM	1	24	20.96	21.37	21.69	21.27	21.67				
5	64QAM	12	0	20.36	20.51	20.32	20.34	20.52				
5	64QAM	12	7	20.37	20.47	20.47	20.48	20.44				
5	64QAM	12	13	20.27	20.47	20.77	20.49	20.66				
5	64QAM	25	0	20.33	20.41	20.22	20.49	20.46	21.5	3		

Uplink CA Power

CA_7C Ant13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	22.85	24.00
21100	20902	QPSK	1	0	0	0	1	0	Full	22.78	24.00
21350	21152	QPSK	1	0	0	0	1	0	Full	22.80	24.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 2	14.02	15.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 2	13.95	15.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 2	13.92	15.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 3	13.05	14.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 3	12.96	14.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 3	12.90	14.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 4	20.88	22.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 4	20.80	22.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 4	20.78	22.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 5	16.38	17.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 5	16.35	17.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 5	16.33	17.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 8	9.89	11.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 8	9.87	11.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 8	9.83	11.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 9	9.89	11.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 9	9.87	11.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 9	9.83	11.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 10	9.89	11.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 10	9.87	11.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 10	9.83	11.00

CA_7C Ant31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	22.76	24.00
21100	20902	QPSK	1	0	0	0	1	0	Full	22.77	24.00
21350	21152	QPSK	1	0	0	0	1	0	Full	22.56	24.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 2	22.76	24.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 2	22.77	24.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 2	22.56	24.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 3	22.76	24.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 3	22.77	24.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 3	22.56	24.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 4	20.73	22.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 4	20.78	22.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 4	20.62	22.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 5	20.73	22.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 5	20.78	22.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 5	20.62	22.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 8	20.73	22.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 8	20.78	22.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 8	20.62	22.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 9	20.73	22.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 9	20.78	22.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 9	20.62	22.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 10	20.73	22.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 10	20.78	22.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 10	20.62	22.00

CA_7C Ant11											
Combination 20MHz*20MHz (100RB*100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	22.23	24.00
21100	20902	QPSK	1	0	0	0	1	0	Full	22.18	24.00
21350	21152	QPSK	1	0	0	0	1	0	Full	22.20	24.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 2	19.19	21.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 2	19.11	21.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 2	19.16	21.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 3	17.65	19.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 3	17.63	19.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 3	17.60	19.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 4	22.23	24.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 4	22.18	24.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 4	22.20	24.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 5	18.70	20.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 5	18.65	20.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 5	18.66	20.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 8	14.72	16.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 8	14.65	16.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 8	14.67	16.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 9	14.72	16.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 9	14.65	16.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 9	14.67	16.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 10	14.72	16.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 10	14.65	16.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 10	14.67	16.50

CA_66B Ant13											
Combination 15MHz*5MHz (75RB*25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	0	0	1	0	Full	23.02	24.50
132322	132229	QPSK	1	0	0	0	1	0	Full	22.98	24.50
132597	132504	QPSK	1	0	0	0	1	0	Full	22.95	24.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 2	17.03	18.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 2	17.00	18.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 2	16.98	18.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 3	14.56	16.00
132322	132229	QPSK	1	0	0	0	1	0	DSI 3	14.53	16.00
132597	132504	QPSK	1	0	0	0	1	0	DSI 3	14.48	16.00
132047	132140	QPSK	1	0	0	0	1	0	DSI 4	23.02	24.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 4	22.98	24.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 4	22.95	24.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 5	21.05	22.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 5	20.98	22.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 5	20.96	22.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 8	16.53	18.00
132322	132229	QPSK	1	0	0	0	1	0	DSI 8	16.48	18.00
132597	132504	QPSK	1	0	0	0	1	0	DSI 8	16.45	18.00
132047	132140	QPSK	1	0	0	0	1	0	DSI 9	16.53	18.00
132322	132229	QPSK	1	0	0	0	1	0	DSI 9	16.48	18.00
132597	132504	QPSK	1	0	0	0	1	0	DSI 9	16.45	18.00
132047	132140	QPSK	1	0	0	0	1	0	DSI 10	16.53	18.00
132322	132229	QPSK	1	0	0	0	1	0	DSI 10	16.48	18.00
132597	132504	QPSK	1	0	0	0	1	0	DSI 10	16.45	18.00

CA_66B Ant31											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	0	0	1	0	Full	22.92	24.50
132322	132229	QPSK	1	0	0	0	1	0	Full	22.90	24.50
132597	132504	QPSK	1	0	0	0	1	0	Full	22.89	24.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 2	22.92	24.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 2	22.90	24.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 2	22.89	24.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 3	22.92	24.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 3	22.90	24.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 3	22.89	24.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 4	20.89	22.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 4	20.88	22.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 4	20.85	22.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 5	20.89	22.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 5	20.88	22.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 5	20.85	22.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 8	20.89	22.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 8	20.88	22.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 8	20.85	22.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 9	20.89	22.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 9	20.88	22.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 9	20.85	22.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 10	20.89	22.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 10	20.88	22.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 10	20.85	22.50

CA_66B Ant11											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	0	0	1	0	Full	22.89	24.50
132322	132229	QPSK	1	0	0	0	1	0	Full	22.85	24.50
132597	132504	QPSK	1	0	0	0	1	0	Full	22.80	24.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 2	19.85	21.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 2	19.95	21.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 2	19.82	21.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 3	18.33	20.00
132322	132229	QPSK	1	0	0	0	1	0	DSI 3	18.38	20.00
132597	132504	QPSK	1	0	0	0	1	0	DSI 3	18.31	20.00
132047	132140	QPSK	1	0	0	0	1	0	DSI 4	22.89	24.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 4	22.85	24.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 4	22.80	24.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 5	19.85	21.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 5	19.95	21.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 5	19.82	21.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 8	15.83	17.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 8	15.86	17.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 8	15.83	17.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 9	15.83	17.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 9	15.86	17.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 9	15.83	17.50
132047	132140	QPSK	1	0	0	0	1	0	DSI 10	15.83	17.50
132322	132229	QPSK	1	0	0	0	1	0	DSI 10	15.86	17.50
132597	132504	QPSK	1	0	0	0	1	0	DSI 10	15.83	17.50

CA_66C Ant13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full	23.05	24.50
132322	132124	QPSK	1	0	0	0	1	0	Full	23.02	24.50
132572	132374	QPSK	1	0	0	0	1	0	Full	22.98	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 2	17.07	18.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 2	17.03	18.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 2	17.01	18.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 3	14.60	16.00
132322	132124	QPSK	1	0	0	0	1	0	DSI 3	14.58	16.00
132572	132374	QPSK	1	0	0	0	1	0	DSI 3	14.55	16.00
132072	132270	QPSK	1	0	0	0	1	0	DSI 4	23.05	24.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 4	23.02	24.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 4	22.98	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 5	21.08	22.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 5	21.05	22.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 5	21.02	22.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 8	16.58	18.00
132322	132124	QPSK	1	0	0	0	1	0	DSI 8	16.53	18.00
132572	132374	QPSK	1	0	0	0	1	0	DSI 8	16.52	18.00
132072	132270	QPSK	1	0	0	0	1	0	DSI 9	16.58	18.00
132322	132124	QPSK	1	0	0	0	1	0	DSI 9	16.53	18.00
132572	132374	QPSK	1	0	0	0	1	0	DSI 9	16.52	18.00
132072	132270	QPSK	1	0	0	0	1	0	DSI 10	16.58	18.00
132322	132124	QPSK	1	0	0	0	1	0	DSI 10	16.53	18.00
132572	132374	QPSK	1	0	0	0	1	0	DSI 10	16.52	18.00

CA_66C Ant31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full	22.98	24.50
132322	132124	QPSK	1	0	0	0	1	0	Full	23.01	24.50
132572	132374	QPSK	1	0	0	0	1	0	Full	22.95	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 2	22.98	24.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 2	23.01	24.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 2	22.95	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 3	22.98	24.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 3	23.01	24.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 3	22.95	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 4	20.95	22.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 4	20.98	22.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 4	20.92	22.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 5	20.95	22.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 5	20.98	22.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 5	20.92	22.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 8	20.95	22.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 8	20.98	22.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 8	20.92	22.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 9	20.95	22.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 9	20.98	22.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 9	20.92	22.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 10	20.95	22.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 10	20.98	22.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 10	20.92	22.50



CA_66C Ant11											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full	22.90	24.50
132322	132124	QPSK	1	0	0	0	1	0	Full	22.98	24.50
132572	132374	QPSK	1	0	0	0	1	0	Full	22.89	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 2	19.89	21.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 2	19.97	21.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 2	19.85	21.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 3	18.46	20.00
132322	132124	QPSK	1	0	0	0	1	0	DSI 3	18.48	20.00
132572	132374	QPSK	1	0	0	0	1	0	DSI 3	18.43	20.00
132072	132270	QPSK	1	0	0	0	1	0	DSI 4	22.90	24.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 4	22.98	24.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 4	22.89	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 5	19.89	21.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 5	19.97	21.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 5	19.85	21.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 8	15.89	17.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 8	15.98	17.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 8	15.86	17.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 9	15.89	17.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 9	15.98	17.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 9	15.86	17.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 10	15.89	17.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 10	15.98	17.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 10	15.86	17.50

CA_38C Ant13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	22.98	24.50
37901	38099	QPSK	1	0	0	0	1	0	Full	22.95	24.50
38150	37952	QPSK	1	0	0	0	1	0	Full	22.90	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 2	15.75	17.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 2	15.73	17.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 2	15.70	17.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	14.83	16.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	14.80	16.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	14.68	16.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	22.48	24.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	22.43	24.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	22.41	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 5	17.93	19.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 5	17.95	19.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 5	17.90	19.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 8	13.97	15.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 8	13.95	15.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 8	13.92	15.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 9	13.97	15.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 9	13.95	15.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 9	13.92	15.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 10	13.97	15.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 10	13.95	15.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 10	13.92	15.50

CA_38C Ant31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	Full	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	Full	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 2	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 2	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 2	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 5	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 5	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 5	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 6	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 6	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 6	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 7	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 7	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 7	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 8	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 8	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 8	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 9	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 9	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 9	22.95	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 10	23.02	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 10	22.92	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 10	22.95	24.50

CA_38C Ant11											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	22.65	24.50
37901	38099	QPSK	1	0	0	0	1	0	Full	22.76	24.50
38150	37952	QPSK	1	0	0	0	1	0	Full	22.60	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 2	19.65	21.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 2	19.68	21.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 2	19.60	21.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	18.63	20.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	18.70	20.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	18.61	20.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	22.65	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	22.78	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	22.60	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 5	19.65	21.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 5	19.78	21.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 5	19.62	21.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 8	16.62	18.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 8	16.75	18.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 8	16.61	18.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 9	16.62	18.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 9	16.75	18.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 9	16.75	18.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 10	16.62	18.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 10	16.75	18.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 10	16.61	18.50



CA_41C Ant13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dbm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Full	23.05	24.50
40185	39987	QPSK	1	0	0	0	1	0	Full	23.18	24.50
40620	40422	QPSK	1	0	0	0	1	0	Full	23.21	24.50
41055	40857	QPSK	1	0	0	0	1	0	Full	23.11	24.50
41490	41292	QPSK	1	0	0	0	1	0	Full	23.05	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 2	15.56	17.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 2	15.70	17.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 2	15.73	17.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 2	15.68	17.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 2	15.58	17.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	14.58	16.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 3	14.73	16.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 3	14.75	16.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 3	14.70	16.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	14.60	16.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 4	22.62	24.00
40185	39987	QPSK	1	0	0	0	1	0	DSI 4	22.75	24.00
40620	40422	QPSK	1	0	0	0	1	0	DSI 4	22.78	24.00
41055	40857	QPSK	1	0	0	0	1	0	DSI 4	22.71	24.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 4	22.65	24.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 5	18.08	19.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 5	18.20	19.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 5	18.22	19.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 5	18.17	19.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 5	18.06	19.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 8	15.08	16.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 8	15.20	16.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 8	15.22	16.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 8	15.12	16.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 8	15.05	16.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 9	15.08	16.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 9	15.20	16.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 9	15.22	16.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 9	15.12	16.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 9	15.05	16.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 10	15.08	16.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 10	15.20	16.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 10	15.22	16.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 10	15.12	16.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 10	15.05	16.50

CA_41C Ant31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dbm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Full	23.08	24.50
40185	39987	QPSK	1	0	0	0	1	0	Full	23.11	24.50
40620	40422	QPSK	1	0	0	0	1	0	Full	23.18	24.50
41055	40857	QPSK	1	0	0	0	1	0	Full	23.15	24.50
41490	41292	QPSK	1	0	0	0	1	0	Full	23.09	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 2	23.08	24.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 2	23.11	24.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 2	23.18	24.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 2	23.15	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 2	23.09	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	23.08	24.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 3	23.11	24.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 3	23.18	24.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 3	23.15	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	23.09	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 4	23.08	24.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 4	23.11	24.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 4	23.18	24.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 4	23.15	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 4	23.09	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 5	23.08	24.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 5	23.11	24.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 5	23.18	24.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 5	23.15	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 5	23.09	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 8	23.08	24.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 8	23.11	24.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 8	23.18	24.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 8	23.15	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 8	23.09	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 9	23.08	24.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 9	23.11	24.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 9	23.18	24.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 9	23.15	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 9	23.09	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 10	23.08	24.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 10	23.11	24.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 10	23.18	24.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 10	23.15	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 10	23.09	24.50

CA_41C Ant11											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Full	22.75	24.50
40185	39987	QPSK	1	0	0	0	1	0	Full	22.90	24.50
40620	40422	QPSK	1	0	0	0	1	0	Full	22.88	24.50
41055	40857	QPSK	1	0	0	0	1	0	Full	22.78	24.50
41490	41292	QPSK	1	0	0	0	1	0	Full	22.85	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 2	19.75	21.00
40185	39987	QPSK	1	0	0	0	1	0	DSI 2	19.85	21.00
40620	40422	QPSK	1	0	0	0	1	0	DSI 2	19.83	21.00
41055	40857	QPSK	1	0	0	0	1	0	DSI 2	19.56	21.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 2	19.62	21.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	18.63	20.00
40185	39987	QPSK	1	0	0	0	1	0	DSI 3	18.66	20.00
40620	40422	QPSK	1	0	0	0	1	0	DSI 3	18.83	20.00
41055	40857	QPSK	1	0	0	0	1	0	DSI 3	18.60	20.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	18.58	20.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 4	22.75	24.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 4	22.90	24.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 4	22.88	24.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 4	22.78	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 4	22.85	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 5	18.60	20.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 5	18.69	20.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 5	18.87	20.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 5	18.75	20.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 5	18.83	20.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 8	16.65	18.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 8	16.92	18.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 8	16.90	18.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 8	16.89	18.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 8	16.82	18.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 9	16.65	18.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 9	16.92	18.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 9	16.90	18.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 9	16.89	18.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 9	16.82	18.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 10	16.65	18.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 10	16.92	18.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 10	16.90	18.50
41055	40857	QPSK	1	0	0	0	1	0	DSI 10	16.89	18.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 10	16.82	18.50



Downlink CA Power

Full Power																
2CC																
Configure		CA Configuration (BCS)	PCC						SCC				Power			
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)	
Inter-Band		CA_2A-26A	Band 2	20M	1880	18900	QPSK	1	0	Band 26	15M	876.5	8865	23.41	23.54	
		CA_2A-38A	Band 2	20M	1880	18900	QPSK	1	0	Band 38	20M	2595	38000	23.44	23.54	
		CA_5A-38A	Band 5	10M	836.5	20525	QPSK	1	0	Band 38	20M	2595	38000	23.84	24.02	
		CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	23.75	24.02	
		CA_7A-26A	Band 7	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	23.11	23.18	
		CA_26A-41A	Band 26	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	23.79	24.06	
Intra-Band	Non-Contiguous	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	23.22	23.54	
		CA_5A-5A	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	5M	891.5	2625	23.86	24.02	
	Contiguous	CA_38C	Band 38	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.80	38198	23.34	23.51	
		CA_41C	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2569.30	40383	23.58	23.70	
		CA_66B	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.30	66979	23.16	23.49	

3CC		3CC																	
Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
			LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Inter-Band		CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.36	23.54
		CA_2A-5A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	23.41	23.54
		CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.28	23.54
		CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	23.31	23.45
		CA_4A-4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	23.42	23.45
		CA_2A-7C	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.41	23.54
		CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.35	23.45
		CA_5A-66C	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.86	24.02
		CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	23.37	23.54
		CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	23.44	23.54
		CA_2A-7A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 66	20M	2155	66886	23.29	23.54
Intra-Band	Non-Contiguous	CA_41A-41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2506	39750	Band 41	20M	2680	41490	23.57	23.70
	Contiguous	CA_41D	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41094	23.61	23.70

4CC																							
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				Power		
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)	
Inter-Band	CA_5A-7C-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	Band 66	20M	2155	66886	23.73	24.02	
	CA_5A-7A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	10M	2120	66536	Band 66	5M	2145	66786	23.89	24.02	
	CA_7C-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 66	10M	2120	66536	Band 66	5M	2145	66786	23.11	23.18	



Full & Default Power

n2_Ant 11												
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power		Turn-up time	MPR			
				Low	High	Min/Max	Ch./F.Freq.					
Channel												
Frequency (MHz)				1880	1880	1880						
20	PB2 BPSK	1	1	22.82	22.88	22.85						
20	PB2 BPSK	1	53	22.72	22.83	22.78		24.5	0.0			
20	PB2 BPSK	1	104	22.71	22.77	22.86						
20	PB2 BPSK	50	9	22.20	22.25	22.17		24.0	0.5			
20	PB2 BPSK	50	28	22.79	22.82	22.75		24.5	0.0			
20	PB2 BPSK	50	56	22.23	22.25	22.24		24.0	0.5			
20	PB2 BPSK	100	9	22.22	22.23	22.21						
20	QPSK	1	1	22.86	22.86	22.86		24.5	0.0			
20	QPSK	1	53	22.82	22.85	22.84						
20	QPSK	1	104	22.77	22.88	22.87						
20	QPSK	50	9	21.15	21.87	21.52		24.5	1.0			
20	QPSK	50	28	21.15	21.15	21.15		24.5	0.0			
20	QPSK	50	56	21.84	21.73	21.79		23.5	1.0			
20	16QAM	1	1	21.86	21.87	21.79		23.5	1.0			
20	16QAM	1	1	20.20	20.20	20.20		23.5	2.5			
20	256QAM	1	1	18.40	18.51	18.47		20.0	4.5			
Channel												
Frequency (MHz)				1825.5 <th>1800<th>1802.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th></th>	1800 <th>1802.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th>	1802.5 <th>Turn-up time (min)</th> <th>MPR</th> <th></th>	Turn-up time (min)	MPR				
15	QPSK	1	1	22.86	22.89	22.87		24.5	0.0			
Channel												
Frequency (MHz)				1825.5 <th>1800<th>1802.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th></th>	1800 <th>1802.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th>	1802.5 <th>Turn-up time (min)</th> <th>MPR</th> <th></th>	Turn-up time (min)	MPR				
10	QPSK	1	1	22.86	22.89	22.86		24.5	0.0			
Channel												
Frequency (MHz)				1825.5 <th>1800<th>1802.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th></th>	1800 <th>1802.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th>	1802.5 <th>Turn-up time (min)</th> <th>MPR</th> <th></th>	Turn-up time (min)	MPR				
5	QPSK	1	1	22.86	22.85	22.85		24.5	0.0			

n2_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power		Turn-up time (min)	MPR (dB)			
				Low	High	Min/Max	Ch./F.Freq.					
Channel												
Frequency (MHz)				1880	1880	1880						
20	PB2 BPSK	1	1	22.83	22.83	22.83						
20	PB2 BPSK	1	53	22.79	22.85	22.82		24.5	0.0			
20	PB2 BPSK	1	104	22.79	22.83	22.80						
20	PB2 BPSK	50	9	22.28	22.33	22.31		24.0	0.5			
20	PB2 BPSK	50	28	22.76	22.79	22.73		24.5	0.0			
20	PB2 BPSK	50	56	22.78	22.77	22.78		24.0	0.5			
20	PB2 BPSK	100	9	22.25	22.25	22.25						
20	QPSK	1	1	22.85	22.85	22.85		24.5	0.0			
20	QPSK	1	53	22.86	22.85	22.87						
20	QPSK	1	104	22.84	22.85	22.77						
20	QPSK	50	9	21.12	21.78	21.12		23.5	1.0			
20	QPSK	50	28	21.11	21.84	21.11		24.5	0.0			
20	QPSK	50	56	21.84	21.73	21.87		23.5	1.0			
20	QPSK	100	9	21.08	21.71	21.08						
20	16QAM	1	1	21.85	21.85	21.86		23.5	1.0			
20	16QAM	1	1	20.34	20.34	20.34		23.5	2.5			
20	256QAM	1	1	18.34	18.42	18.41		20.0	4.5			
Channel												
Frequency (MHz)				1802.5 <th>1880<th>1957.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th></th>	1880 <th>1957.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th>	1957.5 <th>Turn-up time (min)</th> <th>MPR</th> <th></th>	Turn-up time (min)	MPR				
15	QPSK	1	1	22.88	22.89	22.86		24.5	0.0			
Channel												
Frequency (MHz)				1802.5 <th>1880<th>1957.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th></th>	1880 <th>1957.5<th>Turn-up time (min)</th><th>MPR</th><th></th></th>	1957.5 <th>Turn-up time (min)</th> <th>MPR</th> <th></th>	Turn-up time (min)	MPR				
10	QPSK	1	1	22.87	22.86	22.85		24.5	0.0			
Channel												
Frequency (MHz)				1882.5 <th>19600<th>19600<th>Turn-up time (min)</th><th>MPR</th><th></th></th></th>	19600 <th>19600<th>Turn-up time (min)</th><th>MPR</th><th></th></th>	19600 <th>Turn-up time (min)</th> <th>MPR</th> <th></th>	Turn-up time (min)	MPR				
5	QPSK	1	1	22.85	22.85	22.85		24.5	0.0			

n5_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power		Turn-up time	MPR			
				Low	High	Min/Max	Ch./F.Freq.					
Channel												
Frequency (MHz)				824	824.5	820						
20	PB2 BPSK	1	1	23.81	23.71	23.82						
20	PB2 BPSK	1	53	23.54	23.61	23.57		25.0	0.0			
20	PB2 BPSK	1	104	23.45	23.48	23.47						
20	PB2 BPSK	50	9	23.07	23.15	23.10		24.5	0.5			
20	PB2 BPSK	50	28	23.51	23.60	23.56		25.0	0.0			
20	PB2 BPSK	50	56	22.96	23.07	23.02		24.5	0.5			
20	PB2 BPSK	100	9	23.12	23.15	23.13		24.5	0.5			
20	QPSK	1	1	23.61	23.60	23.61		25.0	0.0			
20	QPSK	1	53	23.57	23.60	23.59		25.0	0.0			
20	QPSK	1	104	23.44	23.48	23.38						
20	QPSK	50	9	22.95	22.99	23.01		24.0	1.0			
20	QPSK	50	28	23.10	23.10	23.10		25.0	0.0			
20	QPSK	50	56	22.42	22.50	22.45		24.0	1.0			
20	16QAM	1	1	22.41	22.45	22.42		24.0	1.0			
20	16QAM	1	1	22.75	22.82	22.81		24.0	1.0			
20	256QAM	1	1	19.31	19.32	19.31		20.0	4.5			
Channel												
Frequency (MHz)				831.5 <th>830.5<th>831<td></td><td></td><td>(0.5)</td></th></th>	830.5 <th>831<td></td><td></td><td>(0.5)</td></th>	831 <td></td> <td></td> <td>(0.5)</td>			(0.5)			
15	QPSK	1	1	23.76	23.62	23.70		25.0	0.0			
Channel												
Frequency (MHz)				831.5 <th>831.5<th>831.5<td></td><td></td><td>(0.5)</td></th></th>	831.5 <th>831.5<td></td><td></td><td>(0.5)</td></th>	831.5 <td></td> <td></td> <td>(0.5)</td>			(0.5)			
10	QPSK	1	1	23.78	23.77	23.61		25.0	0.0			
Channel												
Frequency (MHz)				160800	160720	160800			MPR			
5	QPSK	1	1	23.72	23.82	23.78		25.0	0.0			

n5_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power		Turn-up time	MPR (dB)			
				Low	High	Min/Max	Ch./F.Freq.					
Channel												
Frequency (MHz)				824	828.5	820						
20	PB2 BPSK	1	1	23.43	23.49	23.46						
20	PB2 BPSK	1	53	23.42	23.45	23.37		25.0	0.0			
20	PB2 BPSK	1	104	23.15	23.21	23.19						
20	PB2 BPSK	50	9	23.75	23.81	23.78		24.5	0.5			
20	PB2 BPSK	50	28	23.31	23.34	23.32		25.0	0.0			
20	PB2 BPSK	50	56	22.71	22.75	22.72		24.5	0.5			
20	PB2 BPSK	100	9	22.75	22.75	22.75						
20	QPSK	1	1	23.52	23.67	23.49		25.0	0.0			
20	QPSK	1	53	23.45	23.45	23.35						
20	QPSK	1	104	23.18	23.20	23.17						
20	QPSK	50	9	22.20	22.29	22.25		24.5	1.0			
20	QPSK	50	28	22.10	22.17	22.14		24.0	1.0			
20	16QAM	1	1	21.02	21.10	21.05		23.5	2.5			
20	16QAM	1	1	22.58	22.59	22.53		24.0	1.0			
20	256QAM	1	1	19.04	19.10	19.08		20.0	4.5			
Channel												
Frequency (MHz)				161300	161300	160300	Turn-up time (min)	MPR				
15	QPSK	1	1	23.42	23.59	23.43		25.0	0.0			
Channel												
Frequency (MHz)				161300	161300	160300	Turn-up time (min)	MPR				
10	QPSK	1	1	23.43	23.55	23.47		25.0	0.0			
Channel												
Frequency (MHz)				828.5	828.5	828.5	Turn-up time (min)	MPR				
5	QPSK	1	1	23.41	23.52	23.59		25.0	0.0			

n7_Ant 11									
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	22.38	22.38	22.41			
40	P12 BPSK	1	108	22.45	22.45	22.52	24.0	0.0	
40	P12 BPSK	1	214	22.58	22.48	22.40			
40	P12 BPSK	108	9	22.00	22.02	21.99	23.5	0.5	
40	P12 BPSK	108	54	22.38	22.40	22.39	24.0	0.0	
40	P12 BPSK	108	108	21.78	21.88	21.78	23.5	0.5	
40	P12 BPSK	216	9	21.92	21.98	21.96			
40	QPSK	1	1	22.65	22.65	22.64			
40	QPSK	1	108	22.58	22.59	22.51	24.0	0.0	
40	QPSK	1	214	22.46	22.42	22.39			
40	QPSK	108	9	21.91	21.98	21.94	23.0	1.0	
40	QPSK	108	54	22.31	22.41	22.34	24.0	0.0	
40	QPSK	108	108	21.28	21.38	21.30	23.0	1.0	
40	QPSK	216	9	21.92	21.92	21.94	21.0	2.5	
40	16QAM	1	1	21.58	21.62	21.62	23.0	1.0	
40	16QAM	1	1	21.57	21.62	21.64	21.0	2.5	
40	256QAM	1	1	18.12	18.12	18.05	13.5	13.0	4.5
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.59	22.54	22.62	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.57	22.54	22.55	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.02	22.03	22.02.5	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.57	22.60	22.55	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.58	22.55	22.57	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.59	22.63	22.62	24.0	0.0	
Channel									
Frequency (MHz)									

n7_Ant 13									
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	22.85	22.85	22.92			
40	P12 BPSK	1	108	22.85	22.85	22.92	24.0	0.0	
40	P12 BPSK	1	214	22.78	22.87	22.83			
40	P12 BPSK	108	9	22.23	22.23	22.25	23.5	0.5	
40	P12 BPSK	108	54	22.58	22.60	22.88	24.0	0.0	
40	P12 BPSK	108	108	21.92	22.02	22.38	23.5	0.5	
40	QPSK	1	1	22.91	22.95	22.94			
40	QPSK	1	108	22.78	22.80	22.82	24.0	0.0	
40	QPSK	1	214	22.82	22.80	22.77			
40	QPSK	108	9	21.83	21.87	21.90	23.0	1.0	
40	QPSK	108	54	22.15	22.15	22.10	24.0	0.0	
40	QPSK	108	108	21.84	21.73	21.68	23.0	1.0	
40	16QAM	1	1	21.88	21.87	21.88	23.0	1.0	
40	16QAM	1	1	21.82	21.85	21.84	21.0	2.5	
40	256QAM	1	1	18.08	18.05	18.05	13.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.90	22.87	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.89	22.80	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.83	22.82	22.82	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.88	22.89	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.89	22.88	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.82	22.86	22.84	24.0	0.0	

n7_Ant 31											
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPR (dB)			
Channel											
Frequency (MHz)											
40	P12 BPSK	1	1	22.38	22.38	22.37					
40	P12 BPSK	1	108	21.95	22.02	22.08	24.0	0.0			
40	P12 BPSK	1	214	22.23	22.31	22.25					
40	P12 BPSK	108	9	21.80	21.74	21.88	23.5	0.5			
40	P12 BPSK	108	54	22.14	22.17	22.16	24.0	0.0			
40	P12 BPSK	108	108	21.88	21.88	21.87	23.5	0.5			
40	P12 BPSK	216	9	21.81	21.77	21.84					
40	QPSK	1	1	22.41	22.48	22.43					
40	QPSK	1	108	22.40	22.40	22.40	24.0	0.0			
40	QPSK	1	214	22.37	22.38	22.31					
40	QPSK	108	9	21.91	21.92	21.91	23.0	1.0			
40	QPSK	108	54	21.93	22.05	21.91	24.0	0.0			
40	QPSK	108	108	21.84	21.95	21.87	23.0	1.0			
40	16QAM	1	1	21.82	21.82	21.80	23.0	1.0			
40	16QAM	1	1	21.82	21.82	21.80	21.0	2.5			
40	256QAM	1	1	17.91	18.00	17.98	13.0	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.37	22.40	22.40	24.0	0.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	22.33	22.41	22.44	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.32	22.42	22.35	24.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.39	22.39	22.34	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.35	22.35	22.44	24.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	22.35	22.38	22.41	24.0	0.0			

n26_Ant 13									
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
25	P12 BPSK	1	1	21.83	21.84	21.84			
25	P12 BPSK	1	93	21.84	21.87	21.81	25.0	0.0	
25	P12 BPSK	1	94	21.85	21.86	21.81			
25	P12 BPSK	56	9	21.93	21.91	21.93	24.5	0.5	
25	P12 BPSK	56	28	21.98	21.99	21.94	25.0	0.0	
25	P12 BPSK	56	56	21.43	21.54	21.47	24.5	0.5	
25	P12 BPSK	108	9	21.97	21.95	21.96			
25	QPSK	1	1	21.60	21.66	21.61			
25	QPSK	1	84	21.87	21.88	21.81	25.0	0.0	
25	QPSK	1	104	21.92	21.98	21.87			
25	QPSK	56	9	22.05	22.07	22.03	24.5	1.0	
25	QPSK	56	28	22.05	22.05	22.05	25.0	0.0	
25	QPSK	56	56	22.01	22.02	22.01	24.5	0.5	
25	QPSK	108	9	22.06	22.06	22.06			
25	QPSK	108	28	22.06	22.06	22.06	24.5	0.5	
25	QPSK	108	56	21.96	21.96	21.95	25.0	2.0	
25	QPSK	108	93	21.96	21.96	21.95	25.0	2.0	
25	QPSK	108	94	21.97	21.97	21.96			
25	QPSK	108	104	21.97	21.97	21.96			
25	QPSK	108	105	21.98	21.98	21.97			
25	QPSK	108	106	21.98	21.98	21.97			
25	QPSK	108	107	21.98	21.98	21.97			
25	QPSK	108	108	21.98	21.98	21.97			
25	QPSK	108	109	21.98	21.98	21.97			
25	QPSK	108	110	21.98	21.98	21.97			
25	QPSK	108	111	21.98	21.98	21.97			
25	QPSK	108	112	21.98	21.98	21.97			
25	QPSK	108	113	21.98	21.98	21.97			
25	QPSK	108	114	21.98	21.98	21.97			
25	QPSK	108	115	21.98	21.98	21.97			
25	QPSK	108	116	21.98	21.98	21.97			
25	QPSK	108	117	21.98	21.98	21.97			
25	QPSK	108	118	21.98	21.98	21.97			
25	QPSK	108	119	21.98	21.98	21.97			
25	QPSK	108	120	21.98	21.98	21.97			
25	QPSK	108	121	21.98	21.98	21.97			
25	QPSK	108	122	21.98	21.98	21.97			
25	QPSK	108	123	21.98	21.98	21.97			
25	QPSK	108	124	21.98	21.98	21.97			
25	QPSK	108	125	21.98	21.98	21.97			
25	QPSK	108	126	21.98	21.98	21.97			
25	QPSK	108	127	21.98	21.98	21.97			
25	QPSK	108	128	21.98	21.98	21.97			
25	QPSK	108	129	21.98	21.98	21.97			
25	QPSK	108	130	21.98	21.98	21.97			
25	QPSK	108	131	21.98	21.98	21.97			
25	QPSK	108	132	21.98	21.98	21.97			
25	QPSK	108	133	21.98	21.98	21.97			
25	QPSK	108	134	21.98	21.98	21.97			
25	QPSK	108	135	21.98	21.98	21.97			
25	QPSK	108	136	21.98	21.98	21.97			
25	QPSK	108	137	21.98	21.98	21.97			
25	QPSK	108	138	21.98	21.98	21.97			
25	QPSK	108	139	21.98	21.98	21.97			
25	QPSK	108	140	21.98	21.98	21.97			
25	QPSK	108	141	21.98	21.98	21.97			
25	QPSK	108	142	21.98	21.98	21.97			
25	QPSK	108	143	21.98	21.98	21.97			
25	QPSK	108	144	21.98	21.98	21.97			
25	QPSK	108	145	21.98	21.98	21.97			
25	QPSK	108	146	21.98	21.98	21.97			
25	QPSK	108	147	21.98	21.98	21.97			
25	QPSK	108	148	21.98	21.98	21.97			
25	QPSK	108	149	21.98	21.98	21.97			
25	QPSK	108	150	21.98	21.98	21.97			
25	QPSK	108	151	21.98	21.98	21.97			
25	QPSK	108	152	21.98	21.98	21.97			
25	QPSK	108	153	21.98	21.98	21.97			
25	QPSK	108	154	21.98	21.98	21.97			
25	QPSK	108	155	21.98	21.98	21.97			
25	QPSK	108	156	21.98	21.98	21.97			
25	QPSK	108	157	21.98	21.98	21.97			
25	QPSK	108	158	21.98	21.98	21.97			
25	QPSK	108	159	21.98	21.98	21.97			
25	QPSK	108	160	21.98	21.98	21.97			
25	QPSK	108	161	21.98	21.98	21.97			
25	QPSK	108	162	21.98	21.98	21.97			
25	QPSK	108	163	21.98	21.98	21.97			
25	QPSK	108	164	21.98	21.98	21.97			
25	QPSK	108	165	21.98	21.98	21.97			
25	QPSK	108	166	21.98	21.98	21.97			
25	QPSK	108	167	21.98	21.98	21.97			
25	QPSK	108	168	21.98	21.98	21.97			
25	QPSK	108	169	21.98	21.98	21.97			
25	QPSK	108	170	21.98	21.98	21.97			
25	QPSK	108	171	21.98	21.98	21.97			
25	QPSK	108	172	21.98	21.98	21.97			
25	QPSK	108	173	21.98	21.98	21.97			
25	QPSK	108	174	21.98	21.98	21.97			
25	QPSK	108	175	21.98	21.98	21.97			
25	QPSK	108	176	21.98	21.98	21.97			
25	QPSK	108	177	21.98	21.98	21.97			
25	QPSK	108	178	21.98	21.98	21.97			
25	QPSK	108	179	21.98	21.98	21.97			
25	QPSK	108	180	21.98	21.98	21.97			
25	QPSK	108	181	21.98	21.98	21.97			
25	QPSK	108	182	21.98	21.98	21.97			
25	QPSK	108	183	21.98	21.98	21.97			
25	QPSK	108	184	21.98	21.98	21.97			
25	QPSK	108	185	21.98	21.98	21.97			
25	QPSK	108	186	21.98	21.98	21.97			
25	QPSK	108	187	21.98	21.98	21.97			
25	QPSK	108	188	21.98	21.98	21.97			
25	QPSK	108	189	21.98	21.98	21.97			
25	QPSK	108	190	21.98	21.98	21.97			
25	QPSK	108	191	21.98	21.98	21.97			
25	QPSK	108	192	21.98	21.98	21.97			
25	QPSK	108	193	21.98	21.98	21.97			
25	QPSK	108	194	21.98	21.98	21.97			
25	QPSK	108	195	21.98	21.98	21.97			
25	QPSK	108	196	21.98	21.98	21.97			
25	QPSK	108	197	21.98	21.98	21.97			
25	QPSK	108	198	21.98	21.98	21.97			
25	QPSK	108	199	21.98	21.98	21.97			
25	QPSK	108	200	21.98	21.98	21.97			
25	QPSK	108	201	21.98	21.98	21.97			
25	QPSK	108	202	21.98	21.98	21.97			
25	QPSK	108	203	21.98	21.98	21.97			
25	QPSK	108	204	21.98	21.98	21.97			
25	QPSK	108	205	21.98	21.98	21.97			
25	QPSK	108	206	21.98	21.98	21.97			
25	QPSK	108	207	21.98	21.98	21.97			
25	QPSK	108	208	21.98	21.98	21.97			
25	QPSK	108	209	21.98	21.98	21.97			
25	QPSK	108	210	21.98	21.98	21.97			
25	QPSK	108	211	21.98	21.98	21.97			
25	QPSK	108	212	21.98	21.98	21.97			
25	QPSK	108	213	21.98	21.98	21.97			
25	QPSK	108	214	21.98	21.98	21.97			
25	QPSK	108	215	21.98	21.98	21.97			
25	QPSK	108	216	21.98	21.98	21.97			
25	QPSK	108	217	21.98	21.98	21.97			
25	QPSK	108	218	21.98	21.98	21.97			
25	QPSK	108	219	21.98	21.98	21.97			
25	QPSK	108	220	21.98	21.98	21.97			
25	QPSK	108	221	21.98	21.98	21.97			
25	QPSK	108	222	21.98	21.98	21.97			
25	QPSK	108	223	21.98	21.98	21.97			
25	QPSK	108	224	21.98	21.98	21.97			
25	QPSK	108	225	21.98	21.98	21.97			
25	QPSK	108	226	21.98	21.98	21.97			
25	QPSK	108	227	21.98	21.98	21.97			
25	QPSK	108	228	21.98	21.98	21.97			
25	QPSK	108	229	21.98	21.98	21.97			
25	QPSK	108	230	21.98	21.98	21.97			
25	QPSK	108	231	21.98	21.98	21.97			
25	QPSK	108	232	21.98	21.98	21.97			
25	QPSK	108	233	21.98	21.98	21.97			
25	QPSK	108	234	21.98	21.98	21.97			
25	QPSK	108	235	21.98	21.98	21.97			
25	QPSK	108	236	21.98	21.98	21.97			
25	QPSK	108	237	21.98	21.98	21.97			
25	QPSK	108	238	21.98	21.98	21.97			
25	QPSK	108	239	21.98	21.98	21.97			
25	QPSK	108	240	21.98	21.98	21.97			
25	QPSK	108	241	21.98	21.98	21.97			
25	QPSK	108	242	21.98	21.98	21.97			
25	QPSK	108	243	21.98	21.98	21.97			

n26_Ant 31									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
20	PIC BPSK	1	1	23.70	23.70	23.67			
30	PIC BPSK	1	33	23.75	23.85	23.75	25.0		0.0
40	PIC BPSK	1	104	23.50	23.64	23.53			
50	PIC BPSK	50	5	23.37	23.33	23.38	24.5		0.5
20	PIC BPSK	50	28	23.86	23.89	23.58	25.0		0.0
30	PIC BPSK	50	58	23.24	23.32	23.38	24.5		0.0
40	PIC BPSK	500	5	23.30	23.30	23.33	24.5		0.5
40	QPSK	1	1	23.68	23.71	23.62	25.0		0.0
40	QPSK	1	104	23.86	23.89	23.62			
20	QPSK	50	5	23.36	23.37	23.34	24.0		1.0
30	QPSK	50	28	23.35	23.87	23.35	25.0		0.0
40	QPSK	50	58	22.69	22.72	22.66	24.0		1.0
20	QPSK	500	5	22.58	22.62	22.59			
40	16QAM	1	1	22.79	22.81	22.80	24.0		1.0
20	16QAM	1	1	21.20	21.40	21.26	22.5		2.5
20	256QAM	1	1	19.24	19.32	19.26	20.5		4.5
Channel									
Frequency (MHz)									
16	QPSK	1	1	23.87	23.81	23.79	25.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.70	23.78	23.67	25.0		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.71	23.32	23.71	25.0		0.0

n66_Ant 11									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
40	PIC BPSK	1	1	23.29	23.30	23.21			
40	PIC BPSK	1	108	23.25	23.35	23.25	24.5	0.0	
40	PIC BPSK	1	214	23.28	23.34	23.28			
40	PIC BPSK	108	5	23.80	23.80	22.78	24.0	0.5	
40	PIC BPSK	108	54	23.28	23.31	23.25	24.5	0.0	
40	PIC BPSK	108	108	22.78	22.84	22.77	24.0	0.5	
40	PIC BPSK	216	5	22.91	22.94	22.94	24.0	0.5	
40	QPSK	1	1	23.37	23.53	23.51			
40	QPSK	1	108	23.35	23.41	23.36	24.5	0.0	
40	QPSK	1	214	23.29	23.38	23.38			
40	QPSK	108	5	23.33	23.38	24.38	20.5	1.0	
40	QPSK	108	54	23.35	23.35	23.31	24.5	0.0	
40	QPSK	108	108	22.24	22.29	22.21	23.5	1.0	
40	16QAM	1	1	22.81	22.88	22.88	20.0	4.5	
40	256QAM	1	1	19.02	19.15	19.06	20.0	4.5	
Channel									
36	QPSK	1	1	23.32	23.48	23.48	24.5	0.0	
Channel									
30	QPSK	1	1	23.34	23.46	23.40	24.5	0.0	
Channel									
25	QPSK	1	1	23.25	23.43	23.47	24.5	0.0	
Channel									
20	QPSK	1	1	23.34	23.45	23.40	24.5	0.0	
Channel									
15	QPSK	1	1	23.27	23.45	23.43	24.5	0.0	
Channel									
10	QPSK	1	1	23.33	23.47	23.44	24.5	0.0	
Channel									
5	QPSK	1	1	23.29	23.42	23.48	24.5	0.0	

n66_Ant 13									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
40	PIC BPSK	1	1	23.25	23.38	23.30			
40	PIC BPSK	1	108	23.30	23.42	23.30	24.5	0.0	
40	PIC BPSK	1	214	23.38	23.41	23.37			
40	PIC BPSK	108	5	23.80	23.80	22.88	24.0	0.5	
40	PIC BPSK	108	54	23.35	23.43	23.38	24.5	0.0	
40	PIC BPSK	108	108	22.81	22.88	22.80	24.0	0.5	
40	PIC BPSK	216	5	22.78	22.88	22.88	24.0	0.5	
40	QPSK	1	1	23.43	23.53	23.51			
40	QPSK	1	108	23.43	23.49	23.40	24.5	0.0	
40	QPSK	1	214	23.38	23.44	23.34			
40	QPSK	108	5	23.32	23.37	23.27	20.5	1.0	
40	QPSK	108	54	23.35	23.35	23.31	24.5	0.0	
40	QPSK	108	108	22.48	22.42	22.38	23.5	1.0	
40	16QAM	1	1	22.40	22.43	22.32	23.5	1.0	
40	16QAM	1	1	21.85	21.88	21.84	20.0	4.5	
40	256QAM	1	1	19.05	19.15	19.04	20.0	4.5	
Channel									
35	QPSK	1	1	23.40	23.44	23.42	24.5	0.0	
Channel									
30	QPSK	1	1	23.38	23.44	23.40	24.5	0.0	
Channel									
25	QPSK	1	1	23.23	23.40	23.40	24.5	0.0	
Channel									
20	QPSK	1	1	23.34	23.42	23.40	24.5	0.0	
Channel									
15	QPSK	1	1	23.40	23.50	23.40	24.5	0.0	
Channel									
10	QPSK	1	1	23.36	23.48	23.48	24.5	0.0	
Channel									
5	QPSK	1	1	23.39	23.45	23.50	24.5	0.0	

n66_Ant 31									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
40	PIC BPSK	1	1	23.11	23.14	23.08			
40	PIC BPSK	1	108	23.12	23.17	23.07	24.5	0.0	
40	PIC BPSK	1	214	23.10	23.30	23.15			
40	PIC BPSK	108	5	23.70	22.71	23.62	24.0	0.5	
40	PIC BPSK	108	54	23.08	23.18	23.08	24.5	0.0	
40	PIC BPSK	108	108	22.68	22.78	22.68	24.0	0.5	
40	PIC BPSK	216	5	22.60	22.75	22.68	24.0	0.5	
40	QPSK	1	1	23.20	23.41	23.31			
40	QPSK	1	108	23.20	23.24	23.23	24.5	0.0	
40	QPSK	1	214	23.14	23.24	23.18			
40	QPSK	108	5	22.63	22.68	22.63	24.5	0.0	
40	QPSK	108	54	23.16	23.16	23.11	24.5	0.0	
40	QPSK	108	108	22.14	22.16	22.12	23.5	1.0	
40	16QAM	1	1	22.18	22.28	22.18	23.5	1.0	
40	256QAM	1	1	20.78	20.88	20.74	20.0	4.5	
40	256QAM	1	1	18.85	18.94	18.87	20.0	4.5	
Channel									
35	QPSK	1	1	23.17	23.38	23.31	24.5	0.0	
35	QPSK	1	1	23.17	23.37	23.30	24.5	0.0	
30	QPSK	1	1	23.15	23.35	23.30	24.5	0.0	
30	QPSK	1	1	23.15	23.35	23.30	24.5	0.0	
25	QPSK	1	1	23.17	23.37	23.30	24.5	0.0	
25	QPSK	1	1	23.17	23.37	23.30	24.5	0.0	
20	QPSK	1	1	23.17	23.37	23.30	24.5	0.0	
20	QPSK	1	1	23.17	23.37	23.30	24.5	0.0	
15	QPSK	1	1	23.20	23.38	23.34	24.5	0.0	
15	QPSK	1	1	23.20	23.38	23.34	24.5	0.0	
10	QPSK	1	1	23.24	23.35	23.32	24.5	0.0	
10	QPSK	1	1	23.24	23.35	23.32	24.5	0.0	
5	QPSK	1	1	23.15	23.36	23.38	24.5	0.0	



n38_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.12	23.24	23.20	24.5	0.0	
40	PI2 BPSK	1	53	23.17	23.16	23.15			
40	PI2 BPSK	1	104	23.16	23.25	23.19	24.0	0.5	
40	PI2 BPSK	50	0	22.85	22.75	22.68			
40	PI2 BPSK	50	28	23.14	23.16	23.15	24.5	0.0	
40	PI2 BPSK	50	56	22.68	22.74	22.61	24.0	0.5	
40	PI2 BPSK	100	0	22.70	22.67	22.69			
40	QPSK	1	1	23.32	23.32	23.32	24.5	0.0	
40	QPSK	1	53	23.15	23.24	23.17			
40	QPSK	1	104	23.25	23.24	23.24	23.5	1.0	
40	QPSK	50	0	22.13	22.24	22.15			
40	QPSK	50	28	23.25	23.30	23.25	24.5	0.0	
40	QPSK	50	56	22.23	22.22	22.15			
40	QPSK	100	0	22.23	22.25	22.16	23.5	1.0	
40	16QAM	1	1	22.17	22.23	22.19			
40	64QAM	1	1	20.65	20.67	20.65	22.0	2.5	
40	256QAM	1	1	18.71	18.71	18.69			
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	23.16	23.23	23.19	24.5	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	23.19	23.16	23.18	24.5	0.0	
Channel				515502	516000	522598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.13	23.23	23.15	24.5	0.0	
Channel				515004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.49	2594	2614.98			
10	QPSK	1	1	23.18	23.20	23.19	24.5	0.0	

n38_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.32	23.33	23.33	24.5	0.0	
40	PI2 BPSK	1	53	23.27	23.30	23.33			
40	PI2 BPSK	1	104	23.26	23.36	23.25	24.0	0.5	
40	PI2 BPSK	50	0	22.81	22.77	22.83			
40	PI2 BPSK	50	28	23.32	23.34	23.32	24.5	0.0	
40	PI2 BPSK	50	56	22.78	22.87	22.79	24.0	0.5	
40	PI2 BPSK	100	0	22.76	22.81	22.72			
40	QPSK	1	1	23.43	23.45	23.41	24.5	0.0	
40	QPSK	1	53	23.27	23.30	23.25			
40	QPSK	1	104	23.30	23.37	23.33	23.5	1.0	
40	QPSK	50	0	22.25	22.36	22.30			
40	QPSK	50	28	23.43	23.43	23.35	24.5	0.0	
40	QPSK	50	56	22.24	22.27	22.30			
40	QPSK	100	0	22.25	22.37	22.31	23.5	1.0	
40	16QAM	1	1	22.30	22.38	22.27			
40	64QAM	1	1	20.60	20.64	20.79	22.0	2.5	
40	256QAM	1	1	18.76	18.79	18.73			
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	23.33	23.30	23.30	24.5	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	23.25	23.35	23.22	24.5	0.0	
Channel				515502	516000	522598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.32	23.37	23.33	24.5	0.0	
Channel				515004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.49	2594	2614.98			
10	QPSK	1	1	23.27	23.33	23.24	24.5	0.0	

n38_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.24	23.33	23.26	24.5	0.0	
40	PI2 BPSK	1	53	23.24	23.33	23.31			
40	PI2 BPSK	1	104	23.26	23.24	23.24	24.0	0.5	
40	PI2 BPSK	50	0	22.72	22.83	22.78			
40	PI2 BPSK	50	28	23.31	23.27	23.23	24.5	0.0	
40	PI2 BPSK	50	56	22.82	22.74	22.75	24.0	0.5	
40	PI2 BPSK	100	0	22.79	22.89	22.72			
40	QPSK	1	1	23.41	23.43	23.38	24.5	0.0	
40	QPSK	1	53	23.35	23.28	23.24			
40	QPSK	1	104	23.36	23.28	23.24	23.5	1.0	
40	QPSK	50	0	22.25	22.30	22.25			
40	QPSK	50	28	23.36	23.40	23.37	24.5	0.0	
40	QPSK	50	56	22.29	22.34	22.25			
40	QPSK	100	0	22.22	22.28	22.21	23.5	1.0	
40	16QAM	1	1	22.30	22.28	22.21			
40	64QAM	1	1	20.61	20.78	20.75	22.0	2.5	
40	256QAM	1	1	18.76	18.81	18.74			
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	23.29	23.34	23.27	24.5	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	23.25	23.26	23.31	24.5	0.0	
Channel				515502	516000	522598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.29	23.24	23.28	24.5	0.0	
Channel				515004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.49	2594	2614.98			
10	QPSK	1	1	23.23	23.30	23.32	24.5	0.0	

FCC_n41_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5062.02	51898	52600			
Frequency (MHz)				2546.01	2592.99	2648			
100	P12 BPSK	1	1	23.51	23.52	23.51			
100	P12 BPSK	1	137	23.51	23.51	23.44	25.0	0.0	
100	P12 BPSK	1	271	23.45	23.46	23.46			
100	P12 BPSK	135	0	22.98	23.05	22.94	24.5	0.5	
100	P12 BPSK	135	69	23.50	23.58	23.51	25.0	0.0	
100	P12 BPSK	135	138	22.96	23.05	22.97	24.5	0.5	
100	P12 BPSK	270	0	23.94	23.07	22.92			
100	QPSK	1	1	23.53	23.55	23.50			
100	QPSK	1	137	23.55	23.56	23.47	25.0	0.0	
100	QPSK	1	271	23.51	23.50	23.50			
100	QPSK	135	0	22.47	22.56	22.50	24.0	1.0	
100	QPSK	135	69	23.50	23.63	23.50	25.0	0.0	
100	QPSK	135	138	22.49	22.55	22.46	24.0	1.0	
100	QPSK	270	0	22.54	22.56	22.43	24.0	1.0	
100	16QAM	1	1	22.46	22.58	22.42	24.0	1.0	
100	64QAM	1	1	20.95	20.98	21.02	22.5	2.5	
100	256QAM	1	1	19.00	19.00	18.98	20.5	4.5	
Channel				506200	518988	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	23.51	23.47	23.43	25.0	0.0	
Channel				507204	518988	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.53	23.49	23.53	25.0	0.0	
Channel				507202	518988	527000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.47	23.55	23.49	25.0	0.0	
Channel				505200	518988	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				23.50	2592.99	2659.98			
60	QPSK	1	1	23.50	23.47	23.45	25.0	0.0	
Channel				504204	518988	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.50	23.54	23.45	25.0	0.0	
Channel				503202	518988	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.54	23.57	23.45	25.0	0.0	
Channel				502200	518988	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.45	23.50	23.51	25.0	0.0	
Channel				501204	518988	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.45	23.47	23.50	25.0	0.0	
Channel				500700	518988	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.44	23.56	23.46	25.0	0.0	
Channel				500202	518988	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.49	23.56	23.46	25.0	0.0	

FCC_n41_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5062.02	518988	52600			
Frequency (MHz)				2546.01	2592.99	2648			
100	P12 BPSK	1	1	23.73	23.76	23.68			
100	P12 BPSK	1	137	23.76	23.70	23.68	25.0	0.0	
100	P12 BPSK	1	271	23.70	23.76	23.62			
100	P12 BPSK	135	0	23.23	23.19	23.22	24.5	0.5	
100	P12 BPSK	135	69	23.75	23.75	23.69	25.0	0.0	
100	P12 BPSK	135	138	23.25	23.17	23.23	24.5	0.5	
100	P12 BPSK	270	0	23.16	23.27	23.23			
100	QPSK	1	1	23.55	23.55	23.50			
100	QPSK	1	137	23.68	23.79	23.71	25.0	0.0	
100	QPSK	1	271	23.74	23.80	23.66			
100	QPSK	135	0	22.69	22.67	22.71	24.0	1.0	
100	QPSK	135	69	23.61	23.63	23.59	25.0	0.0	
100	QPSK	135	138	22.65	22.76	22.67	24.0	1.0	
100	QPSK	270	0	22.67	22.73	22.64	24.0	1.0	
100	16QAM	1	1	22.65	22.71	22.63	24.0	1.0	
100	64QAM	1	1	21.16	21.21	21.17	22.5	2.5	
100	256QAM	1	1	19.22	19.21	19.15	20.5	4.5	
Channel				506200	518988	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	23.65	23.70	23.64	25.0	0.0	
Channel				507204	518988	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.75	23.75	23.71	25.0	0.0	
Channel				507202	518988	527000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.67	23.74	23.70	25.0	0.0	
Channel				505200	518988	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				23.50	2592.99	2659.98			
60	QPSK	1	1	23.55	23.71	23.70	25.0	0.0	
Channel				504204	518988	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.67	23.69	23.65	25.0	0.0	
Channel				503202	518988	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.75	23.74	23.68	25.0	0.0	
Channel				502200	518988	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.65	23.78	23.67	25.0	0.0	
Channel				501204	518988	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.76	23.75	23.72	25.0	0.0	
Channel				500700	518988	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.74	23.71	23.68	25.0	0.0	
Channel				500202	518988	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.71	23.69	23.72	25.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				5062.02	518988	52600			
Frequency (MHz)				2546.01	2592.99	2648			
100	P12 BPSK	1	1	23.76	23.77	23.72			
100	P12 BPSK	1	137	23.76	23.75	23.67	25.0	0.0	
100	P12 BPSK	1	271	23.76	23.71	23.69			
100	P12 BPSK	135	0	23.25	23.23	23.24	24.5	0.5	
100	P12 BPSK	135	69	23.74	23.77	23.67	25.0	0.0	
100	P12 BPSK	135	138	23.26	23.23	23.19	24.5	0.5	
100	P12 BPSK	270	0	23.23	23.21	23.24			
100	QPSK	1	1	23.58	23.61	23.55			
100	QPSK	1	137	23.72	23.78	23.72	25.0	0.0	
100	QPSK	1	271	23.72	23.83	23.73			
100	QPSK	135	0	22.69	22.75	22.71	24.0	1.0	
100	QPSK	135	69	23.62	23.65	23.60	25.0	0.0	
100	QPSK	135	138	22.74	22.70	22.70	24.0	1.0	
100	QPSK	270	0	22.71	22.80	22.70	24.0	1.0	
100	16QAM	1	1	22.74	22.74	22.66			
100	64QAM	1	1	21.22	21.26	21.20	22.5	2.5	
100	256QAM	1	1	19.26	19.25	19.25	20.5	4.5	
Channel				5062.02	518988	52698			
Frequency (MHz)				2546.01	2592.99	2648.8			
90	QPSK	1	1	23.70	23.71	23.67	25.0	0.0	
Channel				5072.04	518988	52698	Tune-up limit	MPR	
Frequency (MHz)				2552.03	2592.99	2648.8	(dBm)	(dB)	
80	QPSK	1	1	23.69	23.68	23.70	25.0	0.0	
Channel				5062.02	518988	51850			
Frequency (MHz)				2551.01	2562.99	2565	Tune-up limit	MPR	
70	QPSK	1	1	23.71	23.71	23.70	25.0	0.0	
Channel				5062.02	518988	51109			
Frequency (MHz)				2536	2562.99	2659.98	Tune-up limit	MPR	
							(dBm)	(dB)	
60	QPSK	1	1	23.66	23.76	23.74	25.0	0.0	
Channel				5062.02	518988	52008			
Frequency (MHz)				2552.12	2592.99	2654.99	Tune-up limit	MPR	
							(dBm)	(dB)	
50	QPSK	1	1	23.66	23.72	23.69	25.0	0.0	
Channel				5052.02	518988	53400			
Frequency (MHz)				2545.84	2592.99	2670	Tune-up limit	MPR	
							(dBm)	(dB)	
40	QPSK	1	1	23.70	23.73	23.67	25.0	0.0	
Channel				5022.02	518988	53496			
Frequency (MHz)				2531.1	2592.99	2674.98	Tune-up limit	MPR	
							(dBm)	(dB)	
Channel				5012.04	518988	53598			
Frequency (MHz)				2521.1	2592.99	2679.99	Tune-up limit	MPR	
							(dBm)	(dB)	
20	QPSK	1	1	23.67	23.70	23.66	25.0	0.0	
Channel				5002.02	518988	53692			
Frequency (MHz)				2503.5	2592.99	2682.48	Tune-up limit	MPR	
							(dBm)	(dB)	
15	QPSK	1	1	23.67	23.76	23.67	25.0	0.0	
Channel				5002.02	518988	53700			
Frequency (MHz)				2502.28	2592.99	2688	Tune-up limit	MPR	
							(dBm)	(dB)	
10	QPSK	1	1	23.71	23.74	23.69	25.0	0.0	

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Part270_n77_Ant 12							
Bit Rate	Modulation	RB Size	RB Offset	Time Use Co. Eff.	Power High Co. Eff.	Power Low Co. Eff.	MPK (dBm)
Frequency Channel							
100	PSK8PSM	1	147	23.18	23.15	24.1	0.0
100	PSK8PSM	1	147	23.15	23.15		
100	PSK8PSM	140	147	23.00	23.00	23.0	0.0
100	PSK8PSM	133	89	23.07	24.04	24.0	0.0
100	PSK8PSM	133	89	23.24	24.04	23.0	0.0
100	PSK8PSM	270	0	23.41			
100	QPSK	1	147	23.26			
100	QPSK	133	89	23.27		24.0	0.0
100	QPSK	1	171	23.41			
100	QPSK	133	89	23.42			
100	QPSK	150	0	23.03		24.0	0.0
100	QPSK	133	136	23.06			
100	QPSK	133	136	23.28		23.0	1.0
100	QPSM4M	1	147	23.28		23.0	1.0
100	QPSM4M	1	147	23.73		21.1	2.0
100	QPSM4M	1	147	23.73		21.1	2.0
Channel							
				633000	633332	633666	Time-use MPK
30	QPSK	1	147	23.25	23.31	23.27	24.0
Frequency Channel							
				633666	633332	633000	Time-use MPK
30	QPSK	1	147	23.25	23.31	23.27	24.0
30	QPSK	1	147	23.25	23.40	23.21	24.0
Frequency Channel							
				634204	633332	633332	Time-use MPK
30	QPSK	1	147	23.25	23.38	23.24	24.0
30	QPSK	1	147	23.24	23.33	23.37	24.0
Frequency Channel							
				63480	633332	631638	Time-use MPK
30	QPSK	1	147	23.28	23.35	23.33	24.0
Frequency Channel							
				635332	633332	633332	Time-use MPK
30	QPSK	1	147	23.32	23.38	23.36	24.0
30	QPSK	1	147	23.32	23.41	23.31	24.0
Frequency Channel							
				636011	633699	632658	Time-use MPK
30	QPSK	1	147	23.36	23.43	23.34	24.0
Frequency Channel							
				636566	633332	633332	Time-use MPK
30	QPSK	1	147	23.40	23.46	23.34	24.0
Frequency Channel							
				637100	633332	633332	Time-use MPK
30	QPSK	1	147	23.50	23.58	23.51	24.0
Frequency Channel							
				638566	633332	633332	Time-use MPK
30	QPSK	1	147	23.52	23.58	23.51	24.0
Frequency Channel							
				639100	633332	633332	Time-use MPK
30	QPSK	1	147	23.51	23.46	23.50	24.0
Frequency Channel							
				639524	633332	633332	Time-use MPK
30	QPSK	1	147	23.49	23.46	23.46	24.0
Frequency Channel							
				640000	633332	633332	Time-use MPK
30	QPSK	1	147	23.50	23.35	23.34	24.0

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Part27Q_n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.33			22.0	0.0	
100	PI2 BPSK	1	137	21.30					
100	PI2 BPSK	1	271	21.05			21.5	0.5	
100	PI2 BPSK	135	0	20.71					
100	PI2 BPSK	135	86	21.34			21.5	0.5	
100	PI2 BPSK	135	136	20.82					
100	PI2 BPSK	270	0	20.52			22.0	0.0	
100	QPSK	1	1	21.36					
100	QPSK	1	137	20.46			22.0	0.0	
100	QPSK	1	271	20.45					
100	QPSK	135	0	20.26			22.0	0.0	
100	QPSK	135	86	21.00					
100	QPSK	135	136	19.46			21.5	1.0	
100	QPSK	270	0	20.00					
100	8QAM	1	1	20.42			19.5	2.5	
100	8QAM	1	1	18.94					
100	256QAM	1	1	18.53			17.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.30			22.0	0.0	
90	QPSK	1	137	21.30					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					
90	QPSK	1	1	21.25			22.0	0.0	
90	QPSK	1	137	21.25					
90	QPSK	1	1	21.27			22.0	0.0	
90	QPSK	1	137	21.27					

[illegible][illegible][illegible]

Part207_P78_Ant 12							
RF Chn	Modulation	Sub Car	RF Chn	Power Line Code	Power Mhz	Power Chn Code	Power Max
					900000		
100	QPSK	1	1	25.76	25.76		
100	QPSK	1	127	25.78	25.78	26.1	0.0
100	QPSK	1	128	25.79	25.79		
100	QPSK	134	251	25.21	25.21	26.0	0.0
100	QPSK	135	89	25.43	25.43	25.5	0.0
100	QPSK	136	90	25.15	25.15	25.0	0.0
100	QPSK	270	0	25.18	25.18		
100	QPSK	1	1	25.52	25.52		
100	QPSK	139	93	25.17	25.17	26.1	0.0
100	QPSK	1	271	25.84	25.84		
100	QPSK	1	272	25.85	25.85		
100	QPSK	150	88	25.75	25.75	26.1	0.0
100	QPSK	151	126	25.69	25.69		
100	QPSK	152	127	25.70	25.70	25.5	1.0
100	QPSK	153	128	25.71	25.71		
100	QPSK	154	129	25.72	25.72	25.5	1.0
100	QPSK	155	130	25.73	25.73		
100	QPSK	156	131	25.74	25.74	24.0	2.5
100	QPSK	157	132	25.75	25.75	22.0	4.0
Channel				546856	900000	65532	24.0
90	QPSK	1	1	25.81	25.88	26.0	0.0
Channel				546234	900000	65698	24.0
80	QPSK	1	1	25.86	25.93	25.8	0.0
Channel				546100	900000	65700	24.0
70	QPSK	1	1	25.91	25.90	25.8	0.0
Channel				545966	900000	65702	24.0
60	QPSK	1	1	25.96	25.87	25.8	0.0
Channel				545832	900000	65704	24.0
50	QPSK	1	1	25.91	25.81	25.81	26.5
Channel				545698	900000	65706	24.0
40	QPSK	1	1	25.96	25.86	25.8	0.0
Channel				545564	900000	65708	24.0
30	QPSK	1	1	25.91	25.81	25.81	26.5
Channel				545430	900000	65710	24.0
20	QPSK	1	1	25.96	25.86	25.8	0.0
Channel				545296	900000	65712	24.0
10	QPSK	1	1	25.98	25.90	25.8	0.0



Part27Q_n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	22.70				24.0	0.0
100	P12 BPSK	1	137	22.70					
100	P12 BPSK	1	271	22.80					
100	P12 BPSK	135	0	22.21				23.5	0.0
100	P12 BPSK	135	86	22.74				24.0	0.0
100	P12 BPSK	135	138	22.29				23.5	0.0
100	P12 BPSK	270	0	22.27					
100	QPSK	1	1	22.82					
100	QPSK	1	137	22.77				24.0	0.0
100	QPSK	1	271	22.29					
100	QPSK	135	0	21.84				24.0	0.0
100	QPSK	135	86	22.03					
100	QPSK	135	138	21.82					
100	QPSK	270	0	21.50				23.0	1.0
100	8QAM	1	1	21.81				23.0	1.0
100	8QAM	1	1	20.34				21.5	2.0
100	256QAM	1	1	18.34				18.0	4.0
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.81				24.0	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.70	22.70	22.70	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.81	22.70	22.74	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.81	22.70	22.71	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.70	22.70	22.70	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.71	22.71	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.77	22.71	22.77	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.72	22.70	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.70	22.70	22.70	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.90	22.80	22.90	24.0	0.0	
Channel									
Frequency [MHz]									

Part27O_n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	22.84					
100	P12 BPSK	1	137	22.87				24.0	0.0
100	P12 BPSK	1	271	22.89					
100	P12 BPSK	135	0	22.04				23.0	0.0
100	P12 BPSK	135	86	22.54				24.0	0.0
100	P12 BPSK	135	138	22.04				23.0	0.0
100	P12 BPSK	270	0	22.05					
100	QPSK	1	1	22.82					
100	QPSK	1	137	22.80				24.0	0.0
100	QPSK	1	271	22.79					
100	QPSK	135	0	21.49					
100	QPSK	135	86	22.03				24.0	0.0
100	QPSK	135	138	21.52					
100	QPSK	270	0	21.04				23.0	1.0
100	8QAM	1	1	21.70				23.0	1.0
100	8QAM	1	1	20.14				21.0	2.0
100	256QAM	1	1	18.10				18.0	4.0
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.70	22.70	22.71	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.74	22.77	22.70	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.72	22.80	22.70	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.72	22.70	22.71	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.74	22.81	22.70	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.72	22.77	22.81	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.74	22.80	22.77	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.70	22.70	22.70	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.82	22.74	22.82	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.80	22.70	22.70	24.0	0.0	

Part27Q_n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	23.10				24.0	0.0
100	P12 BPSK	1	137	23.00					
100	P12 BPSK	1	271	22.80					
100	P12 BPSK	135	0	22.00				23.0	0.0
100	P12 BPSK	135	86	22.80				24.0	0.0
100	P12 BPSK	135	138	22.20				23.0	0.0
100	P12 BPSK	270	0	22.40					
100	QPSK	1	1	23.10					
100	QPSK	1	137	22.80				24.0	0.0
100	QPSK	1	271	22.30					
100	QPSK	135	0	21.80				24.0	0.0
100	QPSK	135	86	22.00					
100	QPSK	135	138	21.70					
100	QPSK	270	0	21.00				23.0	1.0
100	8QAM	1	1	22.77				23.0	1.0
100	256QAM	1	1	20.80				21.0	2.0
Channel									
Frequency [MHz]									
90	QPSK	1	1	23.10	23.10	23.10	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.11	23.14	23.14	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.10	23.10	23.14	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.10	23.10	23.10	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.11	23.10	23.10	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.13	23.10	23.14	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.11	23.09	23.09	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.17	23.13	23.14	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.10	23.13	23.11	24.0	0.0	



Reduced Power Mode for DSI 2

n2_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power High Ch. Freq. 376000	Power Max Ch. Freq. 380000	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	18.47	18.58	18.53	19.5	0.0	
20	PIC2 BPSK	1	53	18.47	18.47	18.48			
20	PIC2 BPSK	1	104	18.47	18.55	18.45			
20	PIC2 BPSK	50	0	18.42	18.48	18.46	19.5	0.0	
20	PIC2 BPSK	50	28	18.48	18.50	18.49	19.5	0.0	
20	PIC2 BPSK	50	56	18.55	18.54	18.54	19.5	0.0	
20	PIC2 BPSK	100	0	18.49	18.58	18.48	19.5	0.0	
20	QPSK	1	1	18.50	18.55	18.53	19.5	0.0	
20	QPSK	1	53	18.42	18.55	18.50			
20	QPSK	1	104	18.47	18.47	18.47			
20	QPSK	50	0	18.51	18.52	18.51	19.5	0.0	
20	QPSK	50	28	18.50	18.50	18.54	19.5	0.0	
20	QPSK	50	56	18.51	18.52	18.53	19.5	0.0	
20	QPSK	100	0	18.45	18.54	18.48	19.5	0.0	
20	16QAM	1	1	18.49	18.57	18.48	19.5	0.0	
20	16QAM	1	1	18.55	18.56	18.55	19.5	0.0	
20	256QAM	1	1	18.59	18.44	18.54	19.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.40	18.51	18.50	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.45	18.56	18.48	19.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.48	18.58	18.51	19.5	0.0	

n2_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Max Ch. Freq. 380000	Power High Ch. Freq. 380000	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	17.47	17.46	17.50	18.5	0.0	
20	PIC2 BPSK	1	53	17.50	17.43	17.47			
20	PIC2 BPSK	1	104	17.43	17.49	17.46			
20	PIC2 BPSK	50	0	17.33	17.31	17.37	18.5	0.0	
20	PIC2 BPSK	50	28	17.38	17.40	17.42	18.5	0.0	
20	PIC2 BPSK	50	56	17.24	17.38	17.35	18.5	0.0	
20	PIC2 BPSK	100	0	17.36	17.48	17.43	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	53	17.38	17.50	17.50	18.5	0.0	
20	QPSK	1	104	17.44	17.50	17.42	18.5	0.0	
20	QPSK	50	0	17.39	17.41	17.43	18.5	0.0	
20	QPSK	50	28	17.44	17.50	17.51	18.5	0.0	
20	QPSK	50	56	17.33	17.43	17.41	18.5	0.0	
20	QPSK	100	0	17.39	17.51	17.48	18.5	0.0	
20	16QAM	1	1	17.39	17.50	17.45	18.5	0.0	
20	16QAM	1	1	17.45	17.41	17.48	18.5	0.0	
20	256QAM	1	1	17.33	17.48	17.44	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.42	17.43	17.42	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.42	17.51	17.43	18.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	17.33	17.48	17.44	18.5	0.0	

n5_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 184000	Power Max Ch. Freq. 187000	Power High Ch. Freq. 187000	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	21.20	21.23	21.14	22.5	0.0	
20	PIC2 BPSK	1	53	21.17	21.15	21.14			
20	PIC2 BPSK	1	104	21.14	21.20	21.13			
20	PIC2 BPSK	50	0	21.08	21.10	21.07	22.5	0.0	
20	PIC2 BPSK	50	28	21.13	21.18	21.08	22.5	0.0	
20	PIC2 BPSK	50	56	21.10	21.10	21.05	22.5	0.0	
20	PIC2 BPSK	100	0	21.09	21.09	21.11	22.5	0.0	
20	QPSK	1	1	21.22	21.22	21.18	22.5	0.0	
20	QPSK	1	53	21.16	21.20	21.07			
20	QPSK	1	104	21.10	21.10	21.08			
20	QPSK	50	0	21.19	21.21	21.19	22.5	0.0	
20	QPSK	50	28	21.17	21.17	21.10	22.5	0.0	
20	QPSK	50	56	21.12	21.13	21.14	22.5	0.0	
20	16QAM	1	1	21.14	21.18	21.11	22.5	0.0	
20	256QAM	1	1	19.28	19.24	19.26	20.5	2.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.20	21.20	21.18	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.18	21.20	21.20	22.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.17	21.20	21.13	22.5	0.0	

n5_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 184000	Power Max Ch. Freq. 187000	Power High Ch. Freq. 187000	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	23.43	23.49	23.48	25.0	0.0	
20	PIC2 BPSK	1	53	23.42	23.46	23.37			
20	PIC2 BPSK	1	104	23.15	23.21	23.18			
20	PIC2 BPSK	50	0	23.78	22.87	22.78	24.5	0.0	
20	PIC2 BPSK	50	28	23.31	23.24	23.22	25.0	0.0	
20	PIC2 BPSK	50	56	23.21	23.21	22.70	24.5	0.0	
20	PIC2 BPSK	100	0	22.75	22.65	22.78	24.5	0.0	
20	QPSK	1	1	23.52	23.51	23.48	25.0	0.0	
20	QPSK	1	53	23.40	23.42	23.30			
20	QPSK	1	104	23.18	23.20	23.17			
20	QPSK	50	0	23.28	23.29	23.29	24.0	1.0	
20	QPSK	50	28	23.30	23.59	23.51	25.0	0.0	
20	QPSK	50	56	23.08	23.18	23.17	24.0	1.0	
20	QPSK	100	0	22.24	22.50	22.26	24.0	1.0	
20	16QAM	1	1	22.28	22.22	22.50	24.0	1.0	
20	16QAM	1	1	21.02	21.10	21.03	22.5	2.0	
20	256QAM	1	1	19.04	19.10	19.08	20.5	4.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.42	23.50	23.43	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.43	23.53	23.47	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.41	23.50	23.39	25.0	0.0	



n7_Ant 11									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Media Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
40	PIC-BPSK	1	1	19.42	19.51	19.63			
40	PIC-BPSK	1	108	19.37	19.48	19.67	21.0		0.0
40	PIC-BPSK	1	214	19.36	19.44	19.62			
40	PIC-BPSK	108	0	19.25	19.44	19.53	23.0		0.0
40	PIC-BPSK	108	54	19.34	19.45	19.52	23.0		0.0
40	PIC-BPSK	108	108	19.35	19.42	19.51			0.0
40	PIC-BPSK	216	0	19.24	19.41	19.38	21.0		0.0
40	QPSK	1	1	19.38	19.50	19.33			
40	QPSK	1	108	19.46	19.52	19.48	21.0		0.0
40	QPSK	1	214	19.44	19.52	19.48			
40	QPSK	108	0	19.35	19.35	19.35	21.0		0.0
40	QPSK	108	54	19.38	19.51	19.50	21.0		0.0
40	QPSK	108	108	19.30	19.40	19.47			
40	QPSK	216	0	19.29	19.32	19.44	21.0		0.0
40	16QAM	1	1	19.41	19.52	19.42			
40	16QAM	1	1	19.45	19.49	19.42	21.0		0.0
40	256QAM	1	1	19.09	18.07	17.09	20.0	1.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.44	19.50	19.52	21.0		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.41	19.52	19.52	21.0		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.47	19.49	19.52	21.0		0.0
Channel									
Frequency (MHz)									
16	QPSK	1	1	19.37	19.51	19.47	21.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.49	19.58	19.52	21.0		0.0
Channel									
Frequency (MHz)									
0	QPSK	1	1	19.32	19.50	19.51	21.0		0.0

n7_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Media Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
40	Frequency (MHz)								
40	PIC-BPSK	1	1	14.91	14.90	14.98			
40	PIC-BPSK	1	108	14.85	14.86	14.82	16.0	0.0	0.0
40	PIC-BPSK	1	214	14.79	14.82	14.88			
40	PIC-BPSK	108	0	14.77	14.82	14.82	16.0	0.0	0.0
40	PIC-BPSK	108	54	14.84	14.87	14.86	16.0	0.0	0.0
40	PIC-BPSK	108	108	14.83	14.82	14.80			
40	PIC-BPSK	216	0	14.79	14.80	14.87	16.0	0.0	0.0
40	QPSK	1	1	14.88	15.02	14.95			
40	QPSK	1	108	14.87	14.88	14.89	16.0	0.0	0.0
40	QPSK	1	214	14.86	14.88	14.89			
40	QPSK	108	0	14.86	15.00	14.93	16.0	0.0	0.0
40	QPSK	108	54	14.93	15.02	14.97	16.0	0.0	0.0
40	QPSK	108	108	14.84	14.87	14.86			
40	QPSK	216	0	14.85	14.88	14.88	16.0	0.0	0.0
40	16QAM	1	1	14.90	14.97	14.87			
40	16QAM	1	1	14.85	14.85	14.86	16.0	0.0	0.0
40	256QAM	1	1	14.89	15.01	14.89	16.0	0.0	0.0
Channel									
30	Frequency (MHz)			26.25	26.55	26.57			
30	QPSK	1	1	14.88	14.84	14.87	16.0	0.0	0.0
Channel									
24	Frequency (MHz)			14.91	15.01	14.89			
24	QPSK	1	1	14.87	15.01	14.89	16.0	0.0	0.0
Channel									
30	Frequency (MHz)			50.100	50.950	51.000	Turn-up time (dBm)		
30	QPSK	1	1	14.87	14.88	14.89	16.0	0.0	0.0
30	QPSK	1	1	14.82	14.88	14.89	16.0	0.0	0.0
Channel									
16	Frequency (MHz)			50.100	50.950	51.000	Turn-up time (dBm)		
16	QPSK	1	1	14.92	15.01	14.88	16.0	0.0	0.0
Channel									
10	Frequency (MHz)			14.86	14.88	14.86	16.0	0.0	0.0
Channel									
0	Frequency (MHz)			50.950	50.950	50.950	Turn-up time (dBm)		
0	QPSK	1	1	14.91	15.02	14.88	16.0	0.0	0.0

n7_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Media Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
40	PIC-BPSK	1	1	22.36	22.35	22.37			
40	PIC-BPSK	1	108	22.38	22.42	22.38	24.0	0.0	
40	PIC-BPSK	1	214	22.33	22.31	22.35			
40	PIC-BPSK	108	0	22.65	21.74	21.89	22.5	0.0	
40	PIC-BPSK	108	54	22.34	22.37	22.36	24.0	0.0	
40	PIC-BPSK	108	108	21.80	21.79	21.87			
40	PIC-BPSK	216	0	21.81	21.71	21.84	23.5	0.0	
40	QPSK	1	1	22.41	22.40	22.40			
40	QPSK	1	108	22.40	22.40	22.40	24.0	0.0	
40	QPSK	1	214	22.37	22.38	22.37			
40	QPSK	108	0	21.37	21.25	21.34	23.0	1.0	
40	QPSK	108	54	22.11	22.09	22.10	24.0	0.0	
40	QPSK	108	108	21.84	21.75	21.87			
40	QPSK	216	0	21.20	21.23	21.39	23.0	1.0	
40	16QAM	1	1	21.32	21.24	21.40			
40	16QAM	1	1	21.02	20.95	20.90	21.5	2.0	
40	256QAM	1	1	17.81	18.00	17.88	19.5	4.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.52	22.40	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
24	QPSK	1	1	22.33	22.43	22.44	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.35	22.43	22.38	24.0	0.0	
Channel									
Frequency (MHz)									
16	QPSK	1	1	22.39	22.37	22.34	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.35	22.35	22.44	24.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	22.38	22.36	22.41	24.0	0.0	

n26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Media Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PIC-BPSK	1	1	21.30	21.47	21.41			
20	PIC-BPSK	1	54	21.35	21.46	21.28	22.5	0.0	
20	PIC-BPSK	1	104	21.31	21.38	21.27			
20	PIC-BPSK	54	0	21.24	21.43	21.24	22.0	0.0	
20	PIC-BPSK	54	26	21.35	21.44	21.32	22.5	0.0	
20	PIC-BPSK	54	96	21.23	21.36	21.32			
20	PIC-BPSK	100	0	21.20	21.39	21.31	22.5	0.0	
20	QPSK	1	1	21.31	21.30	21.41			
20	QPSK	1	54	21.37	21.47	21.36	22.5	0.0	
20	QPSK	1	104	21.33	21.40	21.29			
20	QPSK	54	0	21.22	21.44	21.29	22.5	0.0	
20	QPSK	54	26	21.33	21.47	21.31	22.5	0.0	
20	QPSK	54	96	21.25	21.35	21.31			
20	QPSK	100	0	21.26	21.44	21.32	22.5	0.0	
20	QPSK	100	26	21.28	21.45	21.32	22.5	0.0	
20	QPSK	100	96	21.21	21.35	21.29	22.5	0.0	
20	QPSK	100	126	21.24	21.33	21.25	22.5	0.0	
20	QPSK	100	156	21.27	21.34	21.26	22.5	0.0	
15	QPSK	1	1	21.30	21.47	21.40	22.5	0.0	
Frequency (MHz)									
15	QPSK	1	1	21.30	21.47	21.40	22.5	0.0	
Frequency (MHz)									
15	QPSK	1	1	21.30	21.47	21.40	22.5	0.0	
15	QPSK	1	54	21.35	21.46	21.28	22.5	0.0	
15	QPSK	1	104	21.31	21.38	21.27			
15	QPSK	54	0	21.24	21.43	21.24	22.0	0.0	
15	QPSK	54	26	21.35	21.44	21.32	22.5	0.0	
15	QPSK	54	96	21.23	21.36	21.32			
15	QPSK	100	0	21.20	21.39	21.31	22.5	0.0	
15	QPSK	100	26	21.31	21.40	21.29			
15	QPSK	100	96	21.25	21.35	21.31			
15	QPSK	100	126	21.28	21.45	21.32	22.5	0.0	
15	QPSK	100	156	21.27	21.34	21.26	22.5	0.0	
15	QPSK	100	186	21.30	21.47	21.40	22.5	0.0	

n26_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. 345000]	Power Media Ch. [Frac. 345000]	Power High Ch. [Frac. 345000]	Time-up time (dBm)	MPR (dB)	
Channel									
20	PIC-BPSK	1	1	23.70	23.70	23.67		0.0	
20	PIC-BPSK	1	53	23.63	23.63	23.60	25.0	0.0	
20	PIC-BPSK	1	104	23.55	23.54	23.51		0.0	
20	PIC-BPSK	50	0	23.67	23.52	23.68	24.5	0.5	
20	PIC-BPSK	50	25	23.66	23.66	23.59	25.0	0.0	
20	PIC-BPSK	50	56	23.54	23.52	23.51		0.0	
20	PIC-BPSK	100	0	23.69	23.30	23.52	24.5	0.5	
20	QPSK	1	1	23.70	23.63	23.71		0.0	
20	QPSK	1	53	23.66	23.71	23.62	25.0	0.0	
20	QPSK	1	104	23.58	23.68	23.62		0.0	
20	QPSK	50	0	23.55	23.67	23.54	24.0	1.0	
20	QPSK	50	25	23.69	23.69	23.56	25.0	0.0	
20	QPSK	50	56	22.69	22.72	22.66		1.0	
20	QPSK	100	0	22.58	22.62	22.59	24.0	1.0	
20	16QAM	1	1	23.70	23.67	23.68	24.0	1.0	
20	256QAM	1	1	19.24	19.32	19.26	20.5	4.5	
Channel									
Frequency [MHz]				841.5	841.5	841.5	Time-up time (dBm)	0.0	
10	QPSK	1	1	23.67	23.59	23.62	25.0	0.0	
Channel									
Frequency [MHz]				165000	165000	165000	Time-up time (dBm)	MPR	
Frequency [MHz]				171.5	171.5	171.5	Time-up time (dBm)	0.0	
10	QPSK	1	1	23.70	23.70	23.67	25.0	0.0	
Channel									
Frequency [MHz]				163000	163000	163000	Time-up time (dBm)	MPR	
5	QPSK	1	1	23.71	23.72	23.71	23.0	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. 345000]	Power Media Ch. [Frac. 345000]	Power High Ch. [Frac. 345000]	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PIC-BPSK	1	1	19.81	19.84	19.84		0.0	
40	PIC-BPSK	1	104	19.81	19.84	19.87	21.0	0.0	
40	PIC-BPSK	1	214	19.85	19.85	19.80		0.0	
40	PIC-BPSK	100	0	19.78	19.77	19.84	21.0	0.0	
40	PIC-BPSK	100	54	19.73	19.66	19.77	21.0	0.0	
40	PIC-BPSK	100	108	19.68	19.75	19.77	21.0	0.0	
40	PIC-BPSK	210	0	19.67	19.83	19.72		0.0	
40	QPSK	1	1	19.82	19.82	19.81		0.0	
40	QPSK	1	108	19.84	19.80	19.86	21.0	0.0	
40	QPSK	1	214	19.80	19.85	19.80		0.0	
40	QPSK	100	0	19.79	19.83	19.85	21.0	0.0	
40	QPSK	100	54	19.72	19.70	19.76	21.0	0.0	
40	QPSK	100	108	19.72	19.82	19.83	21.0	0.0	
40	QPSK	210	0	19.83	19.70	19.81		0.0	
40	16QAM	1	1	19.81	19.84	19.84		0.0	
40	16QAM	1	1	19.82	19.85	19.81	21.0	0.0	
40	256QAM	1	1	16.91	19.84	19.82	20.5	0.5	
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up time (dBm)	0.0	
35	QPSK	1	1	17.43	17.43	17.47	21.0	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
Frequency [MHz]				1725	1745	1745	Time-up time (dBm)	0.0	
30	QPSK	1	1	17.43	17.43	17.46	18.5	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
25	QPSK	1	1	17.33	17.37	17.37	18.5	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
Frequency [MHz]				1725	1745	1745	Time-up time (dBm)	0.0	
20	QPSK	1	1	17.31	17.40	17.46	18.5	0.0	
Channel									
Frequency [MHz]				1717.5	1745	1732.5	Time-up time (dBm)	MPR	
15	QPSK	1	1	17.33	17.40	17.45	18.5	0.0	
Channel									
Frequency [MHz]				1713	1745	1725	Time-up time (dBm)	MPR	
10	QPSK	1	1	17.31	17.40	17.45	18.5	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
Frequency [MHz]				1712.5	1745	1737.5	Time-up time (dBm)	0.0	
5	QPSK	1	1	17.43	17.43	17.43	18.5	0.0	

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. 345000]	Power Media Ch. [Frac. 345000]	Power High Ch. [Frac. 345000]	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PIC-BPSK	1	1	17.36	17.48	17.41			
40	PIC-BPSK	1	108	17.36	17.42	17.48	18.5	0.0	
40	PIC-BPSK	1	214	17.35	17.51	17.45			
40	PIC-BPSK	100	0	17.58	17.37	17.37	18.5	0.0	
40	PIC-BPSK	100	54	17.33	17.41	17.37	18.5	0.0	
40	PIC-BPSK	100	108	17.15	17.41	17.38	18.5	0.0	
40	PIC-BPSK	210	0	17.30	17.38	17.38	18.5	0.0	
40	QPSK	1	1	17.35	17.35	17.35			
40	QPSK	1	108	17.37	17.47	17.49	18.5	0.0	
40	QPSK	1	214	17.36	17.52	17.50			
40	QPSK	100	0	17.28	17.43	17.44	18.5	0.0	
40	QPSK	100	54	17.36	17.48	17.47	18.5	0.0	
40	QPSK	100	108	17.28	17.45	17.45	18.5	0.0	
40	QPSK	210	0	17.34	17.49	17.38	18.5	0.0	
40	16QAM	1	1	17.35	17.39	17.41	18.5	0.0	
40	16QAM	1	1	17.31	17.46	17.39	18.5	0.0	
40	256QAM	1	1	17.33	17.37	17.41	18.5	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
Frequency [MHz]				1727.5	1745	1742.5	Time-up time (dBm)	0.0	
35	QPSK	1	1	17.43	17.43	17.43	18.5	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
Frequency [MHz]				1725	1745	1745	Time-up time (dBm)	0.0	
30	QPSK	1	1	17.43	17.43	17.46	18.5	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
Frequency [MHz]				1725	1745	1745	Time-up time (dBm)	0.0	
25	QPSK	1	1	17.31	17.37	17.37	18.5	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
Frequency [MHz]				1725	1745	1745	Time-up time (dBm)	0.0	
20	QPSK	1	1	17.31	17.40	17.46	18.5	0.0	
Channel									
Frequency [MHz]				1717.5	1745	1732.5	Time-up time (dBm)	MPR	
15	QPSK	1	1	17.33	17.40	17.45	18.5	0.0	
Channel									
Frequency [MHz]				1713	1745	1725	Time-up time (dBm)	MPR	
10	QPSK	1	1	17.31	17.40	17.45	18.5	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up time (dBm)	MPR	
Frequency [MHz]				1712.5	1745	1737.5	Time-up time (dBm)	0.0	
5	QPSK	1	1	17.43	17.43	17.43	18.5	0.0	

n66_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. 345000]	Power Media Ch. [Frac. 345000]	Power High Ch. [Frac. 345000]	Time-up time (dBm)	MPR	dB
40	QPSK	Channel		23.11	23.14	23.19			
40	QPSK	Channel		23.12	23.17	23.21	24.0	0.0	
40	QPSK	Channel	214	20.10	20.20	20.15			
40	QPSK	Channel		22.66	22.71	22.68			
40	QPSK	Channel	54	22.65	22.70	22.67	24.0	0.0	
40	QPSK	Channel	108	22.66	22.70	22.65			
40	QPSK	Channel	54	22.66	22.71	22.67	24.0	0.0	
40	QPSK	Channel		23.25	23.47	23.39			
40	QPSK	Channel	214	20.10	20.20	20.15	24.0	0.0	
40	QPSK	Channel	214	20.14	20.24	20.23			
40	QPSK	Channel	54	22.10	22.24	22.23	23.5	1.0	
40	QPSK	Channel	108	22.12	22.25	22.12			
40	QPSK	Channel	54	22.01	22.09	22.01	23.5	1.0	
40	QPSK	Channel		22.16	22.28	22.19	23.5	1.0	
40	QPSK	Channel	54	22.06	22.07	22.06	23.5	1.0	
40	QPSK	Channel		18.36	18.34	18.37	23.0	0.0	
35	QPSK	Channel		23.00	23.00	23.00			
35	QPSK	Channel		23.17	23.18	23.18	24.0	0.0	
35	QPSK	Channel		23.37	23.38	23.31	24.0	0.0	
35	QPSK	Channel		23.57	23.58	23.57	24.0	0.0	
35	QPSK	Channel		23.77	23.78	23.78	24.0	0.0	
35	QPSK	Channel		23.97	23.98	23.98	24.0	0.0	
35	QPSK	Channel		24.17	24.18	24.18	24.0	0.0	
35	QPSK	Channel		24.37	24.38	24.38	24.0	0.0	
35	QPSK	Channel		24.57	24.58	24.58	24.0	0.0	
35	QPSK	Channel		24.77	24.78	24.78	24.0	0.0	
35	QPSK	Channel		24.97	24.98	24.98	24.0	0.0	
35	QPSK	Channel		25.17	25.18	25.18	24.0	0.0	
35	QPSK	Channel		25.37	25.38	25.38	24.0	0.0	
35	QPSK	Channel		25.57	25.58	25.58	24.0	0.0	
35	QPSK	Channel		25.77	25.78	25.78	24.0	0.0	
35	QPSK	Channel		25.97	25.98	25.98	24.0	0.0	
35	QPSK	Channel		26.17	26.18	26.18	24.0	0.0	
35	QPSK	Channel		26.37	26.38	26.38	24.0	0.0	
35	QPSK	Channel		26.57	26.58	26.58	24.0	0.0	
35	QPSK	Channel		26.77	26.78	26.78	24.0	0.0	
35	QPSK	Channel		26.97	26.98	26.98	24.0	0.0	
35	QPSK	Channel		27.17	27.18	27.18	24.0	0.0	
35	QPSK	Channel		27.37	27.38	27.38	24.0	0.0	
35	QPSK	Channel		27.57	27.58	27.58	24.0	0.0	
35	QPSK	Channel		27.77	27.78	27.78	24.0	0.0	
35	QPSK	Channel		27.97	27.98	27.98	24.0	0.0	
35	QPSK	Channel		28.17	28.18	28.18	24.0	0.0	
35	QPSK	Channel		28.37	28.38	28.38	24.0	0.0	
35	QPSK	Channel		28.57	28.58	28.58	24.0	0.0	
35	QPSK	Channel		28.77	28.78	28.78	24.0	0.0	
35	QPSK	Channel		28.97	28.98	28.98	24.0	0.0	
35	QPSK	Channel		29.17	29.18	29.18	24.0	0.0	
35	QPSK	Channel		29.37	29.38	29.38	24.0	0.0	
35	QPSK	Channel		29.57	29.58	29.58	24.0	0.0	
35	QPSK	Channel		29.77	29.78	29.78	24.0	0.0	
35	QPSK	Channel		29.97	29.98	29.98	24.0	0.0	
35	QPSK	Channel		30.17	30.18	30.18	24.0	0.0	
35	QPSK	Channel		30.37	30.38	30.38	24.0	0.0	
35	QPSK	Channel		30.57	30.58	30.58	24.0	0.0	
35	QPSK	Channel		30.77	30.78	30.78	24.0	0.0	
35	QPSK	Channel		30.97	30.98	30.98	24.0	0.0	
35	QPSK	Channel		31.17	31.18	31.18	24.0	0.0	
35	QPSK	Channel		31.37	31.38	31.38	24.0	0.0	
35	QPSK	Channel		31.57	31.58	31.58	24.0	0.0	
35	QPSK	Channel		31.77	31.78	31.78	24.0	0.0	
35	QPSK	Channel		31.97	31.98	31.98	24.0	0.0	
35	QPSK	Channel		32.17	32.18	32.18	24.0	0.0	
35	QPSK	Channel		32.37	32.38	32.38	24.0	0.0	
35	QPSK	Channel		32.57	32.58	32.58	24.0	0.0	
35	QPSK	Channel		32.77	32.78	32.78	24.0	0.0	
35	QPSK	Channel		32.97	32.98	32.98	24.0	0.0	
35	QPSK	Channel		33.17	33.18	33.18	24.0	0.0	
35	QPSK	Channel		33.37	33.38	33.38	24.0	0.0	
35	QPSK	Channel		33.57	33.58	33.58	24.0	0.0	
35	QPSK	Channel		33.77	33.78	33.78	24.0	0.0	
35	QPSK	Channel		33.97	33.98	33.98	24.0	0.0	
35	QPSK	Channel		34.17	34.18	34.18	24.0	0.0	
35	QPSK	Channel		34.37	34.38	34.38	24.0	0.0	
35	QPSK	Channel		34.57	34.58	34.58	24.0	0.0	
35	QPSK	Channel		34.77	34.78	34.78	24.0	0.0	
35	QPSK	Channel		34.97	34.98	34.98	24.0	0.0	
35	QPSK	Channel		35.17	35.18	35.18	24.0	0.0	
35	QPSK	Channel		35.37	35.38	35.38	24.0	0.0	
35	QPSK	Channel		35.57	35.58	35.58	24.0	0.0	
35	QPSK	Channel		35.77	35.78	35.78	24.0	0.0	
35	QPSK	Channel		35.97	35.98	35.98	24.0	0.0	
35	QPSK	Channel		36.17	36.18	36.18	24.0	0.0	
35	QPSK	Channel		36.37	36.38	36.38	24.0	0.0	
35	QPSK	Channel		36.57	36.58	36.58	24.0	0.0	
35	QPSK	Channel		36.77	36.78	36.78	24.0	0.0	
35	QPSK	Channel		36.97	36.98	36.98	24.0	0.0	
35	QPSK	Channel		37.17	37.18	37.18	24.0	0.0	
35	QPSK	Channel		37.37	37.38	37.38	24.0	0.0	
35	QPSK	Channel		37.57	37.58	37.58	24.0	0.0	
35	QPSK	Channel		37.77	37.78	37.78	24.0	0.0	
35	QPSK	Channel		37.97	37.98	37.98	24.0	0.0	
35	QPSK	Channel		38.17	38.18	38.18	24.0	0.0	
35	QPSK	Channel		38.37	38.38	38.38	24.0	0.0	
35	QPSK	Channel		38.57	38.58	38.58	24.0	0.0	
35	QPSK	Channel		38.77	38.78	38.78	24.0	0.0	
35	QPSK	Channel		38.97	38.98	38.98	24.0	0.0	
35	QPSK	Channel		39.17	39.18	39.18	24.0	0.0	
35	QPSK	Channel		39.37	39.38	39.38	24.0	0.0	
35	QPSK	Channel		39.57	39.58	39.58	24.0	0.0	
35	QPSK	Channel		39.77	39.78	39.78	24.0	0.0	
35	QPSK	Channel		39.97	39.98	39.98	24.0	0.0	
35	QPSK	Channel		40.17	40.18	40.18	24.0	0.0	
35	QPSK	Channel		40.37	40.38	40.38	24.0	0.0	
35	QPSK	Channel		40.57	40.58	40.58	24.0	0.0	
35	QPSK	Channel		40.77	40.78	40.78	24.0	0.0	
35	QPSK	Channel		40.97	40.98	40.98	24.0	0.0	
35	QPSK	Channel		41.17	41.18	41.18	24.0	0.0	
35	QPSK	Channel		41.37	41.38	41.38	24.0	0.0	
35	QPSK	Channel		41.57	41.58	41.58	24.0	0.0	
35	QPSK	Channel		41.77	41.78	41.78	24.0	0.0	
35	QPSK	Channel		41.97	41.98	41.98	24.0	0.0	
35	QPSK	Channel		42.17	42.18	42.18	24.0	0.0	
35	QPSK	Channel		42.37	42.38	42.38	24.0	0.0	
35	QPSK	Channel		42.57	42.58	42.58	24.0	0.0	
35	QPSK	Channel		42.77	42.78	42.78	24.0	0.0	
35	QPSK	Channel		42.97	42.98	42.98	24.0	0.0	
35	QPSK	Channel		43.17	43.18	43.18	24.0	0.0	
35	QPSK	Channel		43.37	43.38	43.38	24.0	0.0	
35	QPSK	Channel		43.57	43.58	43.58	24.0	0.0	
35	QPSK	Channel		43.77	43.78	43.78	24.0	0.0	
35	QPSK	Channel		43.97	43.98	43.98	24.0	0.0	
35	QPSK	Channel		44.17	44.18	44.18	24.0	0.0	
35	QPSK	Channel		44.37	44.38	44.38	24.0	0.0	
35	QPSK	Channel		44.57	44.58	44.58	24.0	0.0	
35	QPSK	Channel		44.77	44.78	44.78	24.0	0.0	
35	QPSK	Channel		44.97	44.98	44.98	24.0	0.0	
35	QPSK	Channel		45.17	45.18	45.18	24.0	0.0	
35	QPSK	Channel		45.37	45.38	45.38	24.0	0.0	
35	QPSK	Channel		45.57	45.58	45.58	24.0	0.0	
35	QPSK	Channel		45.77	45.78	45.78	24.0	0.0	
35	QPSK	Channel		45.97	45.98	45.98	24.0	0.0	
35	QPSK	Channel		46.17	46.18	46.18	24.0	0.0	
35	QPSK	Channel		46.37	46.38	46.38	24.0	0.0	
35	QPSK	Channel		46.57	46.58	46.58	24.0	0.0	
35	QPSK	Channel		46.77	46.78	46.78	24.0	0.0	
35	QPSK	Channel		46.97	46.98	46.98	24.0	0.0	
35	QPSK	Channel		47.17	47.18	47.18	24.0	0.0	
35	QPSK	Channel		47.37	47.38	47.38	24.0	0.0	
35	QPSK	Channel		47.57	47.58	47.58	24.0	0.0	
35	QPSK	Channel		47.77	47.78	47.78	24.0	0.0	
35	QPSK	Channel		47.97	47.98	47.98	24.0	0.0	
35	QPSK	Channel		48.17	48.18	48.18	24.0	0.0	
35	QPSK	Channel		48.37	48.38	48.38	24.0	0.0	
35	QPSK	Channel		48.57	48.58	48.58	24.0	0.0	
35	QPSK	Channel		48.77	48.78	48.78	24.0	0.0	
35	QPSK	Channel		48.97	48.98	48.98	24.0	0.0	
35	QPSK	Channel		49.17	49.18	49.18	24.0	0.0	
35	QPSK	Channel		49.37	49.38	49.38	24.0	0.0	
35	QPSK	Channel		49.57	49.58	49.58	24.0	0.0	
35	QPSK	Channel		49.77	49.78	49.78	24.0	0.0	
35	QPSK	Channel		49.97	49.98	49.98	24.0	0.0	
35	QPSK	Channel		50.17	50.18	50.18	24.0	0.0	
35	QPSK	Channel		50.37	50				

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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				516004	516000	516996	22.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	20.80	20.90	20.89	22.0	0.0	
40	PI2 BPSK	1	53	20.87	20.96	20.86			
40	PI2 BPSK	1	104	20.90	20.94	20.84	22.0	0.0	
40	PI2 BPSK	50	0	20.83	20.97	20.85			
40	PI2 BPSK	50	28	20.89	20.99	20.82	22.0	0.0	
40	PI2 BPSK	50	56	20.84	21.01	20.90			
40	PI2 BPSK	100	0	20.83	20.90	20.88	22.0	0.0	
40	QPSK	1	1	20.85	21.05	20.95			
40	QPSK	1	53	20.84	20.91	20.82	22.0	0.0	
40	QPSK	1	104	20.84	20.99	20.88			
40	QPSK	50	0	20.80	21.00	20.84	22.0	0.0	
40	QPSK	50	28	20.86	21.01	20.97			
40	QPSK	50	56	20.81	20.95	20.82	22.0	0.0	
40	QPSK	100	0	20.80	20.93	20.93			
40	16QAM	1	1	20.82	20.95	20.85	22.0	0.0	
40	64QAM	1	1	20.85	20.87	20.85			
40	256QAM	1	1	18.71	18.71	18.69	20.0	2.0	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	20.71	20.84	20.79	22.0	0.0	
Channel				516000	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	20.80	20.86	20.79		22.0	
Channel				515502	516000	522598	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.83	20.92	20.80	22.0	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2575.49	2594	2614.98	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	20.77	20.92	20.77		22.0	

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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				516004	516000	516996	2590.02	2595	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	15.30	15.31	15.36	16.5	0.0	
40	PI2 BPSK	1	53	15.35	15.41	15.28			
40	PI2 BPSK	1	104	15.32	15.36	15.38	16.5	0.0	
40	PI2 BPSK	50	0	15.31	15.33	15.31			
40	PI2 BPSK	50	28	15.31	15.35	15.35	16.5	0.0	
40	PI2 BPSK	50	56	15.25	15.41	15.35			
40	PI2 BPSK	100	0	15.33	15.29	15.21	16.5	0.0	
40	QPSK	1	1	15.40	15.45	15.44			
40	QPSK	1	53	15.36	15.30	15.39	16.5	0.0	
40	QPSK	1	104	15.26	15.39	15.28			
40	QPSK	50	0	15.36	15.33	15.28	16.5	0.0	
40	QPSK	50	28	15.36	15.35	15.37			
40	QPSK	50	56	15.30	15.29	15.35	16.5	0.0	
40	QPSK	100	0	15.28	15.33	15.28			
40	16QAM	1	1	15.29	15.30	15.30	16.5	0.0	
40	64QAM	1	1	15.24	15.37	15.33			
40	256QAM	1	1	15.34	15.35	15.34	16.5	0.0	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	15.29	15.34	15.29	16.5	0.0	
Channel				516000	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	15.30	15.32	15.33		16.5	
Channel				515502	516000	522598	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	15.24	15.41	15.36	16.5	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2575.49	2594	2614.98	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	15.24	15.35	15.34		16.5	

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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				516004	516000	516996	2590.02	2595	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.24	23.33	23.26	24.5	0.0	
40	PI2 BPSK	1	53	23.24	23.33	23.31			
40	PI2 BPSK	1	104	23.26	23.24	23.24	24.0	0.5	
40	PI2 BPSK	50	0	22.72	22.83	22.78			
40	PI2 BPSK	50	28	23.31	23.27	23.23	24.5	0.0	
40	PI2 BPSK	50	56	22.82	22.74	22.75			
40	PI2 BPSK	100	0	22.79	22.89	22.72	24.0	0.5	
40	QPSK	1	1	23.41	23.43	23.38			
40	QPSK	1	53	23.35	23.28	23.24	24.5	0.0	
40	QPSK	1	104	23.36	23.28	23.24			
40	QPSK	50	0	22.25	22.20	22.25	23.5	1.0	
40	QPSK	50	28	23.36	23.40	23.37			
40	QPSK	50	56	22.29	22.34	22.25	23.5	1.0	
40	QPSK	100	0	22.22	22.28	22.21			
40	16QAM	1	1	22.30	22.28	22.21	23.5	1.0	
40	64QAM	1	1	20.81	20.79	20.75		22.0	
40	256QAM	1	1	18.76	18.81	18.74	20.0	4.5	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	23.29	23.34	23.27	24.5	0.0	
Channel				516000	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	23.25	23.26	23.31		24.5	
Channel				515502	516000	522598	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.29	23.24	23.28	24.5	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2575.49	2594	2614.98	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	23.23	23.30	23.32		24.5	

FCC_n41_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	51898	53000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	20.95	21.06	20.99			
100	P12 BPSK	1	137	20.92	21.06	21.00	22.0	0.0	
100	P12 BPSK	1	271	20.96	21.04	21.01			
100	P12 BPSK	135	0	20.97	21.04	20.98	22.0	0.0	
100	P12 BPSK	135	69	21.00	21.08	20.90	22.0	0.0	
100	P12 BPSK	135	138	20.89	21.07	20.94	22.0	0.0	
100	P12 BPSK	270	0	20.94	20.96	21.00			
100	QPSK	1	1	21.00	21.09	21.11			
100	QPSK	1	137	20.89	21.06	20.98	22.0	0.0	
100	QPSK	1	271	20.94	21.07	21.03			
100	QPSK	135	0	20.96	21.08	20.99	22.0	0.0	
100	QPSK	135	69	21.00	21.10	21.00	22.0	0.0	
100	QPSK	135	138	20.91	21.05	20.93	22.0	0.0	
100	QPSK	270	0	20.90	21.03	20.97	22.0	0.0	
100	16QAM	1	1	20.92	21.05	20.95	22.0	0.0	
100	16QAM	1	1	20.92	20.98	20.90	22.0	0.0	
100	256QAM	1	1	19.00	19.00	18.98	20.0	2.0	
Channel				506200	518998	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.89	21.04	21.02	22.0	0.0	
Channel				507204	518998	526998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	20.99	21.00	20.94	22.0	0.0	
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.97	20.97	20.95	22.0	0.0	
Channel				509200	518998	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526.02	2592.99	2659.98			
60	QPSK	1	1	20.93	21.05	21.04	22.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.90	20.99	20.93	22.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.92	20.94	21.04	22.0	0.0	
Channel				502200	518998	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.90	20.95	20.92	22.0	0.0	
Channel				501204	518998	536998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.90	20.97	20.94	22.0	0.0	
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.94	21.02	20.99	22.0	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.88	20.97	20.95	22.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	518998	53000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	15.43	15.51	15.50			
100	P12 BPSK	1	137	15.47	15.48	15.44	16.5	0.0	
100	P12 BPSK	1	271	15.44	15.43	15.41			
100	P12 BPSK	135	0	15.48	15.45	15.49	16.5	0.0	
100	P12 BPSK	135	69	15.46	15.46	15.45	16.5	0.0	
100	P12 BPSK	135	138	15.42	15.44	15.40	16.5	0.0	
100	P12 BPSK	270	0	15.45	15.53	15.39			
100	QPSK	1	1	15.50	15.59	15.55			
100	QPSK	1	137	15.43	15.51	15.39	16.5	0.0	
100	QPSK	1	271	15.40	15.53	15.45			
100	QPSK	135	0	15.41	15.46	15.40	16.5	0.0	
100	QPSK	135	69	15.50	15.53	15.47	16.5	0.0	
100	QPSK	135	138	15.46	15.43	15.38	16.5	0.0	
100	QPSK	270	0	15.43	15.49	15.44	16.5	0.0	
100	16QAM	1	1	15.48	15.54	15.44	16.5	0.0	
100	16QAM	1	1	15.43	15.52	15.43	16.5	0.0	
100	256QAM	1	1	15.42	15.42	15.42	16.5	0.0	
Channel				506200	518998	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.44	15.44	15.41	16.5	0.0	
Channel				507204	518998	526998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.40	15.44	15.48	16.5	0.0	
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.43	15.48	15.42	16.5	0.0	
Channel				509200	518998	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526.02	2592.99	2659.98			
60	QPSK	1	1	15.49	15.43	15.44	16.5	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.44	15.43	15.39	16.5	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.49	15.54	15.47	16.5	0.0	
Channel				502200	518998	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.49	15.43	15.39	16.5	0.0	
Channel				501204	518998	536998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.45	15.52	15.40	16.5	0.0	
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	15.46	15.47	15.43	16.5	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	15.51	15.48	15.48	16.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	518998	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	23.76	23.77	23.72			
100	P12 BPSK	1	137	23.76	23.75	23.67	25.0	0.0	
100	P12 BPSK	1	271	23.74	23.71	23.69			
100	P12 BPSK	135	0	23.20	23.23	23.24	24.5	0.5	
100	P12 BPSK	135	69	23.74	23.77	23.67	25.0	0.0	
100	P12 BPSK	135	138	23.28	23.23	23.19	24.5	0.5	
100	P12 BPSK	270	0	23.23	23.21	23.24			
100	QPSK	1	1	23.88	23.91	23.85			
100	QPSK	1	137	23.72	23.78	23.72	25.0	0.0	
100	QPSK	1	271	23.72	23.83	23.73			
100	QPSK	135	0	22.69	22.75	22.71	24.0	1.0	
100	QPSK	135	69	23.62	23.65	23.60	25.0	0.0	
100	QPSK	135	138	22.74	22.70	22.70	24.0	1.0	
100	QPSK	270	0	22.71	22.80	22.70	24.0	1.0	
100	16QAM	1		21.22	21.26	21.20	22.5	2.5	
100	64QAM	1	1	21.22	21.26	21.20	22.5	2.5	
100	256QAM	1	1	19.26	19.25	19.25	20.5	4.5	
Channel				504200	518998	530996			
Frequency (MHz)				2542.00	2592.98	2644.98			
90	QPSK	1	1	23.70	23.71	23.67	25.0	0.0	
Channel				507234	518998	530998			
Frequency (MHz)				2572.34	2592.99	2645.99			
80	QPSK	1	1	23.69	23.80	23.75	25.0	0.0	
Channel				506002	518998	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.71	23.71	23.73	25.0	0.0	
Channel				505262	518998	531005			
Frequency (MHz)				2536	2592.99	2659.98			
60	QPSK	1	1	23.68	23.76	23.74	25.0	0.0	
Channel				504202	518998	530998			
Frequency (MHz)				2525.02	2592.99	2664.99			
50	QPSK	1	1	23.66	23.72	23.69	25.0	0.0	
Channel				505202	518998	534000			
Frequency (MHz)				2531	2592.98	2670			
40	QPSK	1	1	23.70	23.73	23.67	25.0	0.0	
Channel				502200	518998	534998			
Frequency (MHz)				2511	2592.98	2674.98			
30	QPSK	1	1	23.71	23.69	23.70	25.0	0.0	
Channel				501204	518998	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.67	23.70	23.66	25.0	0.0	
Channel				500202	518998	536998			
Frequency (MHz)				2503.03	2592.99	2682.48			
15	QPSK	1	1	23.67	23.76	23.67	25.0	0.0	
Channel				500202	535998	537000			
Frequency (MHz)				2503.02	2592.99	2682.48			
10	QPSK	1	1	23.71	23.74	23.69	25.0	0.0	



Part27Q_n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power High Ch./Freq.	Turn-on time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
150	PI2 BPSK	1	1	20.87			22.0	0.0	
150	PI2 BPSK	1	137	20.88					
150	PI2 BPSK	1	271	20.88					
150	PI2 BPSK	135	0	20.92			22.0	0.0	
150	PI2 BPSK	135	86	20.74			22.0	0.0	
150	PI2 BPSK	135	138	20.79			22.0	0.0	
150	PI2 BPSK	270	0	20.79			22.0	0.0	
150	QPSK	1	1	20.97			22.0	0.0	
150	QPSK	1	137	20.93					
150	QPSK	1	271	20.93					
150	QPSK	135	0	20.79			22.0	0.0	
150	QPSK	135	86	20.80			22.0	0.0	
150	QPSK	135	138	20.85			22.0	0.0	
150	QPSK	270	0	20.85			22.0	0.0	
150	8QAM	1	1	20.45			22.0	0.0	
150	8QAM	1	1	20.16			21.5	0.5	
150	25QAM	1	1	18.17			18.5	1.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.70			22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.70			22.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.77			22.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.71			22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.78			22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.70			22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.70			22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.70			22.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.77			22.0	0.0	

Part27O_n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)
Channel									
Frequency [MHz]									
150	PI2 BPSK	1	1	20.84	20.91	20.88		22.0	0.0
150	PI2 BPSK	1	137	20.70	20.70	20.65			
150	PI2 BPSK	1	271	20.80	20.82	20.80			
150	PI2 BPSK	135	0	20.70	20.74	20.60		22.0	0.0
150	PI2 BPSK	135	86	20.80	20.80	20.60		22.0	0.0
150	PI2 BPSK	135	138	20.80	20.91	20.70		22.0	0.0
150	PI2 BPSK	270	0	20.84	20.80	20.60		22.0	0.0
150	QPSK	1	1	20.51	20.50	20.50		22.0	0.0
150	QPSK	1	137	20.60	20.60	20.60			
150	QPSK	1	271	20.50	20.57	20.70			
150	QPSK	135	0	20.84	20.89	20.80		22.0	0.0
150	QPSK	135	86	20.60	20.50	20.60		22.0	0.0
150	QPSK	135	138	20.80	20.88	20.70		22.0	0.0
150	QPSK	270	0	20.67	20.60	20.70		22.0	0.0
150	8QAM	1	1	20.45	20.50	20.50		21.5	0.5
150	25QAM	1	1	18.20	18.40	18.20		18.5	2.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.50				22.0	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.80	20.84	20.71		22.0	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.60	20.87	20.70		22.0	0.0
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.81	20.88	20.93		22.0	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.70	20.80	20.70		22.0	0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.80	20.80	20.74		22.0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.80	20.88	20.70		22.0	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.80	20.80	20.70		22.0	0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.84	20.80	20.91		22.0	0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.50	20.60	20.70		22.0	0.0

Part27Q_n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
150	PI2 BPSK	1	1	18.33			19.0	0.0	
150	PI2 BPSK	1	137	18.24					
150	PI2 BPSK	1	271	18.31					
150	PI2 BPSK	135	0	18.09			19.0	0.0	
150	PI2 BPSK	135	86	18.21			19.0	0.0	
150	PI2 BPSK	135	138	18.19			19.0	0.0	
150	PI2 BPSK	270	0	18.10			19.0	0.0	
150	QPSK	1	1	18.30			19.0	0.0	
150	QPSK	1	137	18.33					
150	QPSK	1	271	18.30					
150	QPSK	135	0	18.18			19.0	0.0	
150	QPSK	135	86	18.24			19.0	0.0	
150	QPSK	270	0	18.20			19.0	0.0	
150	8QAM	1	1	18.27			19.0	0.0	
150	8QAM	1	1	18.21			19.0	0.0	
150	25QAM	1	1	18.10			18.5	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	18.31			19.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	18.30	18.34	18.34	19.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	18.30	18.38	18.31	19.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	18.30	18.30	18.32	19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	18.30	18.34	18.34	19.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	18.30	18.30	18.30	19.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.30	18.34	18.31	19.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	18.30	18.34	18.31	19.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	18.30	18.34	18.31	19.0	0.0	

Part270_n77_Ant 21							
BM (MHz)	Modulation	RB Size	RB Offset	Power Low Co-Freq.	Power High Co-Freq.	Power High Off-Freq.	MPH (dB)
Frequency (MHz)							
100	PSK-BPSK	150	0	15.74	15.74	16.5	0.0
100	PSK-BPSK	150	150	15.74	15.74	16.5	0.0
100	PSK-BPSK	150	300	15.74	15.74	16.5	0.0
100	PSK-BPSK	150	450	15.74	15.74	16.5	0.0
100	PSK-BPSK	150	600	15.74	15.74	16.5	0.0
100	PSK-BPSK	270	0	15.58	15.58	16.5	0.0
100	QPSK	150	0	15.74	15.74	16.5	0.0
100	QPSK	150	150	15.74	15.74	16.5	0.0
100	QPSK	150	300	15.74	15.74	16.5	0.0
100	QPSK	150	450	15.74	15.74	16.5	0.0
100	QPSK	150	600	15.74	15.74	16.5	0.0
100	QPSK	270	0	15.58	15.58	16.5	0.0
100	QPSK	270	135	15.58	15.58	16.5	0.0
100	QAM256	150	0	15.81	15.81	16.5	0.0
100	QAM256	150	150	15.81	15.81	16.5	0.0
100	QAM256	150	300	15.81	15.81	16.5	0.0
100	QAM256	150	450	15.81	15.81	16.5	0.0
100	QAM256	150	600	15.81	15.81	16.5	0.0
100	QAM256	270	0	15.58	15.58	16.5	0.0
100	QAM256	270	135	15.58	15.58	16.5	0.0
Channel				630050	630330	630600	MPH
50	Frequency (MHz)			15.72	15.75	15.72	16.5
50	QPSK		Channel	630268	630320	630320	MPH
50	Frequency (MHz)			15.72	15.75	15.72	16.5
50	QPSK		Channel	630234	630330	630330	MPH
50	Frequency (MHz)			15.71	15.74	15.71	16.5
50	QPSK		Channel	630200	630306	630306	MPH
10	Frequency (MHz)			15.71	15.71	15.71	16.5
10	QPSK		Channel	630166	630312	630312	MPH
10	Frequency (MHz)			15.70	15.70	15.70	16.5
10	QPSK		Channel	630132	630308	630308	MPH
10	Frequency (MHz)			15.69	15.69	15.69	16.5
10	QPSK		Channel	630098	630302	630302	MPH
10	Frequency (MHz)			15.68	15.68	15.68	16.5
10	QPSK		Channel	630064	630298	630298	MPH
10	Frequency (MHz)			15.67	15.67	15.67	16.5
10	QPSK		Channel	630030	630292	630292	MPH
10	Frequency (MHz)			15.66	15.66	15.66	16.5
10	QPSK		Channel	630000	630286	630286	MPH
10	Frequency (MHz)			15.65	15.65	15.65	16.5
10	QPSK		Channel	629970	630280	630280	MPH
10	Frequency (MHz)			15.64	15.64	15.64	16.5
10	QPSK		Channel	629940	630274	630274	MPH
10	Frequency (MHz)			15.63	15.63	15.63	16.5
10	QPSK		Channel	629910	630268	630268	MPH
10	Frequency (MHz)			15.62	15.62	15.62	16.5
10	QPSK		Channel	629880	630262	630262	MPH
10	Frequency (MHz)			15.61	15.61	15.61	16.5
10	QPSK		Channel	629850	630256	630256	MPH
10	Frequency (MHz)			15.60	15.60	15.60	16.5
10	QPSK		Channel	629820	630250	630250	MPH
10	Frequency (MHz)			15.59	15.59	15.59	16.5
10	QPSK		Channel	629790	630244	630244	MPH
10	Frequency (MHz)			15.58	15.58	15.58	16.5
10	QPSK		Channel	629760	630238	630238	MPH
10	Frequency (MHz)			15.57	15.57	15.57	16.5
10	QPSK		Channel	629730	630232	630232	MPH
10	Frequency (MHz)			15.56	15.56	15.56	16.5
10	QPSK		Channel	629700	630226	630226	MPH
10	Frequency (MHz)			15.55	15.55	15.55	16.5
10	QPSK		Channel	629670	630220	630220	MPH
10	Frequency (MHz)			15.54	15.54	15.54	16.5
10	QPSK		Channel	629640	630214	630214	MPH
10	Frequency (MHz)			15.53	15.53	15.53	16.5
10	QPSK		Channel	629610	630208	630208	MPH
10	Frequency (MHz)			15.52	15.52	15.52	16.5
10	QPSK		Channel	629580	630202	630202	MPH
10	Frequency (MHz)			15.51	15.51	15.51	16.5
10	QPSK		Channel	629550	630196	630196	MPH
10	Frequency (MHz)			15.50	15.50	15.50	16.5
10	QPSK		Channel	629520	630190	630190	MPH
10	Frequency (MHz)			15.49	15.49	15.49	16.5
10	QPSK		Channel	629490	630184	630184	MPH
10	Frequency (MHz)			15.48	15.48	15.48	16.5
10	QPSK		Channel	629460	630178	630178	MPH
10	Frequency (MHz)			15.47	15.47	15.47	16.5
10	QPSK		Channel	629430	630172	630172	MPH
10	Frequency (MHz)			15.46	15.46	15.46	16.5
10	QPSK		Channel	629400	630166	630166	MPH
10	Frequency (MHz)			15.45	15.45	15.45	16.5
10	QPSK		Channel	629370	630160	630160	MPH
10	Frequency (MHz)			15.44	15.44	15.44	16.5
10	QPSK		Channel	629340	630154	630154	MPH
10	Frequency (MHz)			15.43	15.43	15.43	16.5
10	QPSK		Channel	629310	630148	630148	MPH
10	Frequency (MHz)			15.42	15.42	15.42	16.5
10	QPSK		Channel	629280	630142	630142	MPH
10	Frequency (MHz)			15.41	15.41	15.41	16.5
10	QPSK		Channel	629250	630136	630136	MPH
10	Frequency (MHz)			15.40	15.40	15.40	16.5
10	QPSK		Channel	629220	630130	630130	MPH
10	Frequency (MHz)			15.39	15.39	15.39	16.5
10	QPSK		Channel	629190	630124	630124	MPH
10	Frequency (MHz)			15.38	15.38	15.38	16.5
10	QPSK		Channel	629160	630118	630118	MPH
10	Frequency (MHz)			15.37	15.37	15.37	16.5
10	QPSK		Channel	629130	630112	630112	MPH
10	Frequency (MHz)			15.36	15.36	15.36	16.5
10	QPSK		Channel	629100	630106	630106	MPH
10	Frequency (MHz)			15.35	15.35	15.35	16.5
10	QPSK		Channel	629070	630100	630100	MPH
10	Frequency (MHz)			15.34	15.34	15.34	16.5
10	QPSK		Channel	629040	630094	630094	MPH
10	Frequency (MHz)			15.33	15.33	15.33	16.5
10	QPSK		Channel	629010	630088	630088	MPH
10	Frequency (MHz)			15.32	15.32	15.32	16.5
10	QPSK		Channel	628980	630082	630082	MPH
10	Frequency (MHz)			15.31	15.31	15.31	16.5
10	QPSK		Channel	628950	630076	630076	MPH
10	Frequency (MHz)			15.30	15.30	15.30	16.5
10	QPSK		Channel	628920	630070	630070	MPH
10	Frequency (MHz)			15.29	15.29	15.29	16.5
10	QPSK		Channel	628890	630064	630064	MPH
10	Frequency (MHz)			15.28	15.28	15.28	16.5
10	QPSK		Channel	628860	630058	630058	MPH
10	Frequency (MHz)			15.27	15.27	15.27	16.5
10	QPSK		Channel	628830	630052	630052	MPH
10	Frequency (MHz)			15.26	15.26	15.26	16.5
10	QPSK		Channel	628800	630046	630046	MPH
10	Frequency (MHz)			15.25	15.25	15.25	16.5
10	QPSK		Channel	628770	630040	630040	MPH
10	Frequency (MHz)			15.24	15.24	15.24	16.5
10	QPSK		Channel	628740	630034	630034	MPH
10	Frequency (MHz)			15.23	15.23	15.23	16.5
10	QPSK		Channel	628710	630028	630028	MPH
10	Frequency (MHz)			15.22	15.22	15.22	16.5
10	QPSK		Channel	628680	630022	630022	MPH
10	Frequency (MHz)			15.21	15.21	15.21	16.5
10	QPSK		Channel	628650	630016	630016	MPH
10	Frequency (MHz)			15.20	15.20	15.20	16.5
10	QPSK		Channel	628620	630010	630010	MPH
10	Frequency (MHz)			15.19	15.19	15.19	16.5
10	QPSK		Channel	628590	630004	630004	MPH
10	Frequency (MHz)			15.18	15.18	15.18	16.5
10	QPSK		Channel	628560	629998	629998	MPH
10	Frequency (MHz)			15.17	15.17	15.17	16.5
10	QPSK		Channel	628530	629992	629992	MPH
10	Frequency (MHz)			15.16	15.16	15.16	16.5
10	QPSK		Channel	628500	629986	629986	MPH
10	Frequency (MHz)			15.15	15.15	15.15	16.5
10	QPSK		Channel	628470	629980	629980	MPH
10	Frequency (MHz)			15.14	15.14	15.14	16.5
10	QPSK		Channel	628440	629974	629974	MPH
10	Frequency (MHz)			15.13	15.13	15.13	16.5
10	QPSK		Channel	628410	629968	629968	MPH
10	Frequency (MHz)			15.12	15.12	15.12	16.5
10	QPSK		Channel	628380	629962	629962	MPH
10	Frequency (MHz)			15.11	15.11	15.11	16.5
10	QPSK		Channel	628350	629956	629956	MPH
10	Frequency (MHz)			15.10	15.10	15.10	16.5
10	QPSK		Channel	628320	629950	629950	MPH
10	Frequency (MHz)			15.09	15.09	15.09	16.5
10	QPSK		Channel	628290	629944	629944	MPH
10	Frequency (MHz)			15.08	15.08	15.08	16.5
10	QPSK		Channel	628260	629938	629938	MPH
10	Frequency (MHz)			15.07	15.07	15.07	16.5
10	QPSK		Channel	628230	629932	629932	MPH
10	Frequency (MHz)			15.06	15.06	15.06	16.5
10	QPSK		Channel	628200	629926	629926	MPH
10	Frequency (MHz)			15.05	15.05	15.05	16.5
10	QPSK		Channel	628170	629920	629920	MPH
10	Frequency (MHz)			15.04	15.04	15.04	16.5
10	QPSK		Channel	628140	629914	629914	MPH
10	Frequency (MHz)			15.03	15.03	15.03	16.5
10	QPSK		Channel	628110	629908	629908	MPH
10	Frequency (MHz)			15.02	15.02	15.02	16.5
10	QPSK		Channel	628080	629902	629902	MPH
10	Frequency (MHz)			15.01	15.01	15.01	16.5
10	QPSK		Channel	628050	629896	629896	MPH
10	Frequency (MHz)			15.00	15.00	15.00	16.5
10	QPSK		Channel	628020	629890	629890	MPH
10	Frequency (MHz)			14.99	14.99	14.99	16.5
10	QPSK		Channel	627990	629884	629884	MPH
10	Frequency (MHz)			14.98	14.98	14.98	16.5
10	QPSK		Channel	627960	629878	629878	MPH
10	Frequency (MHz)			14.97	14.97	14.97	16.5
10	QPSK		Channel	627930	629872	629872	MPH
10	Frequency (MHz)			14.96	14.96	14.96	16.5
10	QPSK		Channel	627900	629866	629866	MPH
10	Frequency (MHz)			14.95	14.95	14.95	16.5
10	QPSK		Channel	627870	629860	629860	MPH
10	Frequency (MHz)			14.94	14.94	14.94	16.5
10	QPSK		Channel	627			

[illegible][illegible]

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RF [MHz]	Modulation	Sub ID	Sub Code	Channel Line	Channel	Max Tx Power [dBm]	Power Class	Frequency [MHz]	SPR [dB]
150	PSK 8PSK	1	187	25.51	25.27	38.85	21.5	0.0	
150	PSK 8PSK	1	187	25.51	25.27	38.85	21.5	0.0	
150	PSK 8PSK	134	201	25.02	25.20	38.81	21.5	0.0	
150	PSK 8PSK	135	88	25.01	25.19	38.75	21.5	0.0	
150	PSK 8PSK	135	88	25.01	25.19	38.75	21.5	0.0	
150	PSK 8PSK	270	0	19.95	19.93	38.63	21.5	0.0	
150	QPSK	1	187	25.51	25.31	38.77	21.5	0.0	
150	QPSK	134	201	25.04	25.28	38.70	21.5	0.0	
150	QPSK	1	271	25.05	25.20	38.85	21.5	0.0	
150	QPSK	134	201	25.04	25.28	38.70	21.5	0.0	
150	QPSK	156	88	25.07	25.27	38.61	21.5	0.0	
150	QPSK	135	138	19.97	20.15	38.72	21.5	0.0	
150	QPSK	135	138	19.97	20.15	38.72	21.5	0.0	
150	QPSM	1	1	19.95	20.28	39.21	21.5	0.0	
150	QPSM	1	1	19.97	19.98	38.58	20.0	1.0	
150	QPSM	1	1	19.97	19.98	38.58	20.0	1.0	
Channel									
150	Frequency [MHz]	187.000000	187.000000	94.666666	94.666666	94.666666	21.5	0.0	SPR
30	QPSK	1	1	20.26	20.04	39.77	21.5	0.0	
30	QPSK	1	1	94.6234	94.6000	94.6289	21.5	0.0	SPR
30	Frequency [MHz]	20.000000	20.000000	94.6234	94.6000	94.6289	21.5	0.0	SPR
30	QPSK	1	1	20.26	20.00	39.73	21.5	0.0	
30	QPSK	1	1	94.6000	94.6000	94.6000	21.5	0.0	SPR
30	Frequency [MHz]	94.600000	94.600000	94.6000	94.6000	94.6000	21.5	0.0	SPR
10	QPSK	1	1	20.15	19.98	39.75	21.5	0.0	
10	QPSK	1	1	94.6166	94.6000	94.6333	21.5	0.0	SPR
10	Frequency [MHz]	37.860000	37.860000	94.6166	94.6000	94.6333	21.5	0.0	SPR
30	QPSK	1	1	20.16	19.98	39.75	21.5	0.0	
30	QPSK	1	1	94.6166	94.6000	94.6333	21.5	0.0	SPR
30	Frequency [MHz]	37.841000	37.841000	94.6166	94.6000	94.6333	21.5	0.0	SPR
30	QPSK	1	1	20.21	20.00	39.71	21.5	0.0	
30	QPSK	1	1	94.6166	94.6000	94.6333	21.5	0.0	SPR
30	Frequency [MHz]	37.821000	37.821000	94.6166	94.6000	94.6333	21.5	0.0	SPR
30	QPSK	1	1	20.21	20.00	39.71	21.5	0.0	
30	QPSK	1	1	94.6166	94.6000	94.6333	21.5	0.0	SPR
30	Frequency [MHz]	37.821000	37.821000	94.6166	94.6000	94.6333	21.5	0.0	SPR
30	QPSK	1	1	20.19	19.99	39.73	21.5	0.0	
30	QPSK	1	1	94.6166	94.6000	94.6333	21.5	0.0	SPR
30	Frequency [MHz]	37.801000	37.801000	94.6166	94.6000	94.6333	21.5	0.0	SPR

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Bit Rate	Modulation	PSB Size	PSB Offset	Power Level Co-Freq.	Power Level Hw-Freq.	Power High	Power Low
Frequency (MHz)				63500	63500		
100	PSK16QAM	128	0	20.75	20.75		
100	PSK16QAM	128	1	20.75	20.75	22.0	0.0
100	PSK16QAM	128	2	20.75	20.75		
100	PSK16QAM	128	3	20.81	20.81	22.0	0.0
100	PSK16QAM	128	4	20.87	20.87	22.0	0.0
100	PSK16QAM	128	5	20.93	20.93	22.0	0.0
100	PSK16QAM	128	6	21.00	21.00	22.0	0.0
100	PSK16QAM	256	0	20.52	20.52		
100	PSK16QAM	256	1	20.58	20.58	22.0	0.0
100	PSK16QAM	256	2	20.65	20.65		
100	PSK16QAM	256	3	20.71	20.71	22.0	0.0
100	PSK16QAM	256	4	20.77	20.77		
100	PSK16QAM	256	5	20.83	20.83	22.0	0.0
100	PSK16QAM	256	6	20.89	20.89		
100	PSK16QAM	256	7	20.95	20.95	22.0	0.0
100	PSK16QAM	256	8	21.01	21.01	22.0	0.0
100	PSK16QAM	256	9	21.07	21.07	22.0	0.0
100	PSK16QAM	256	10	21.13	21.13	22.0	0.0
100	PSK16QAM	256	11	21.19	21.19	22.0	0.0
100	PSK16QAM	256	12	21.25	21.25	22.0	0.0
100	PSK16QAM	256	13	21.31	21.31	22.0	0.0
100	PSK16QAM	256	14	21.37	21.37	22.0	0.0
100	PSK16QAM	256	15	21.43	21.43	22.0	0.0
100	PSK16QAM	256	16	21.49	21.49	22.0	0.0
100	PSK16QAM	256	17	21.55	21.55	22.0	0.0
100	PSK16QAM	256	18	21.61	21.61	22.0	0.0
100	PSK16QAM	256	19	21.67	21.67	22.0	0.0
100	PSK16QAM	256	20	21.73	21.73	22.0	0.0
100	PSK16QAM	256	21	21.79	21.79	22.0	0.0
100	PSK16QAM	256	22	21.85	21.85	22.0	0.0
100	PSK16QAM	256	23	21.91	21.91	22.0	0.0
100	PSK16QAM	256	24	21.97	21.97	22.0	0.0
100	PSK16QAM	256	25	22.03	22.03	22.0	0.0
100	PSK16QAM	256	26	22.09	22.09	22.0	0.0
100	PSK16QAM	256	27	22.15	22.15	22.0	0.0
100	PSK16QAM	256	28	22.21	22.21	22.0	0.0
100	PSK16QAM	256	29	22.27	22.27	22.0	0.0
100	PSK16QAM	256	30	22.33	22.33	22.0	0.0
100	PSK16QAM	256	31	22.39	22.39	22.0	0.0
100	PSK16QAM	256	32	22.45	22.45	22.0	0.0
100	PSK16QAM	256	33	22.51	22.51	22.0	0.0
100	PSK16QAM	256	34	22.57	22.57	22.0	0.0
100	PSK16QAM	256	35	22.63	22.63	22.0	0.0
100	PSK16QAM	256	36	22.69	22.69	22.0	0.0
100	PSK16QAM	256	37	22.75	22.75	22.0	0.0
100	PSK16QAM	256	38	22.81	22.81	22.0	0.0
100	PSK16QAM	256	39	22.87	22.87	22.0	0.0
100	PSK16QAM	256	40	22.93	22.93	22.0	0.0
100	PSK16QAM	256	41	22.99	22.99	22.0	0.0
100	PSK16QAM	256	42	23.05	23.05	22.0	0.0
100	PSK16QAM	256	43	23.11	23.11	22.0	0.0
100	PSK16QAM	256	44	23.17	23.17	22.0	0.0
100	PSK16QAM	256	45	23.23	23.23	22.0	0.0
100	PSK16QAM	256	46	23.29	23.29	22.0	0.0
100	PSK16QAM	256	47	23.35	23.35	22.0	0.0
100	PSK16QAM	256	48	23.41	23.41	22.0	0.0
100	PSK16QAM	256	49	23.47	23.47	22.0	0.0
100	PSK16QAM	256	50	23.53	23.53	22.0	0.0
100	PSK16QAM	256	51	23.59	23.59	22.0	0.0
100	PSK16QAM	256	52	23.65	23.65	22.0	0.0
100	PSK16QAM	256	53	23.71	23.71	22.0	0.0
100	PSK16QAM	256	54	23.77	23.77	22.0	0.0
100	PSK16QAM	256	55	23.83	23.83	22.0	0.0
100	PSK16QAM	256	56	23.89	23.89	22.0	0.0
100	PSK16QAM	256	57	23.95	23.95	22.0	0.0
100	PSK16QAM	256	58	24.01	24.01	22.0	0.0
100	PSK16QAM	256	59	24.07	24.07	22.0	0.0
100	PSK16QAM	256	60	24.13	24.13	22.0	0.0
100	PSK16QAM	256	61	24.19	24.19	22.0	0.0
100	PSK16QAM	256	62	24.25	24.25	22.0	0.0
100	PSK16QAM	256	63	24.31	24.31	22.0	0.0
100	PSK16QAM	256	64	24.37	24.37	22.0	0.0
100	PSK16QAM	256	65	24.43	24.43	22.0	0.0
100	PSK16QAM	256	66	24.49	24.49	22.0	0.0
100	PSK16QAM	256	67	24.55	24.55	22.0	0.0
100	PSK16QAM	256	68	24.61	24.61	22.0	0.0
100	PSK16QAM	256	69	24.67	24.67	22.0	0.0
100	PSK16QAM	256	70	24.73	24.73	22.0	0.0
100	PSK16QAM	256	71	24.79	24.79	22.0	0.0
100	PSK16QAM	256	72	24.85	24.85	22.0	0.0
100	PSK16QAM	256	73	24.91	24.91	22.0	0.0
100	PSK16QAM	256	74	24.97	24.97	22.0	0.0
100	PSK16QAM	256	75	25.03	25.03	22.0	0.0
100	PSK16QAM	256	76	25.09	25.09	22.0	0.0
100	PSK16QAM	256	77	25.15	25.15	22.0	0.0
100	PSK16QAM	256	78	25.21	25.21	22.0	0.0
100	PSK16QAM	256	79	25.27	25.27	22.0	0.0
100	PSK16QAM	256	80	25.33	25.33	22.0	0.0
100	PSK16QAM	256	81	25.39	25.39	22.0	0.0
100	PSK16QAM	256	82	25.45	25.45	22.0	0.0
100	PSK16QAM	256	83	25.51	25.51	22.0	0.0
100	PSK16QAM	256	84	25.57	25.57	22.0	0.0
100	PSK16QAM	256	85	25.63	25.63	22.0	0.0
100	PSK16QAM	256	86	25.69	25.69	22.0	0.0
100	PSK16QAM	256	87	25.75	25.75	22.0	0.0
100	PSK16QAM	256	88	25.81	25.81	22.0	0.0
100	PSK16QAM	256	89	25.87	25.87	22.0	0.0
100	PSK16QAM	256	90	25.93	25.93	22.0	0.0
100	PSK16QAM	256	91	25.99	25.99	22.0	0.0
100	PSK16QAM	256	92	26.05	26.05	22.0	0.0
100	PSK16QAM	256	93	26.11	26.11	22.0	0.0
100	PSK16QAM	256	94	26.17	26.17	22.0	0.0
100	PSK16QAM	256	95	26.23	26.23	22.0	0.0
100	PSK16QAM	256	96	26.29	26.29	22.0	0.0
100	PSK16QAM	256	97	26.35	26.35	22.0	0.0
100	PSK16QAM	256	98	26.41	26.41	22.0	0.0
100	PSK16QAM	256	99	26.47	26.47	22.0	0.0
100	PSK16QAM	256	100	26.53	26.53	22.0	0.0
100	PSK16QAM	256	101	26.59	26.59	22.0	0.0
100	PSK16QAM	256	102	26.65	26.65	22.0	0.0
100	PSK16QAM	256	103	26.71	26.71	22.0	0.0
100	PSK16QAM	256	104	26.77	26.77	22.0	0.0
100	PSK16QAM	256	105	26.83	26.83	22.0	0.0
100	PSK16QAM	256	106	26.89	26.89	22.0	0.0
100	PSK16QAM	256	107	26.95	26.95	22.0	0.0
100	PSK16QAM	256	108	27.01	27.01	22.0	0.0
100	PSK16QAM	256	109	27.07	27.07	22.0	0.0
100	PSK16QAM	256	110	27.13	27.13	22.0	0.0
100	PSK16QAM	256	111	27.19	27.19	22.0	0.0
100	PSK16QAM	256	112	27.25	27.25	22.0	0.0
100	PSK16QAM	256	113	27.31	27.31	22.0	0.0
100	PSK16QAM	256	114	27.37	27.37	22.0	0.0
100	PSK16QAM	256	115	27.43	27.43	22.0	0.0
100	PSK16QAM	256	116	27.49	27.49	22.0	0.0
100	PSK16QAM	256	117	27.55	27.55	22.0	0.0
100	PSK16QAM	256	118	27.61	27.61	22.0	0.0
100	PSK16QAM	256	119	27.67	27.67	22.0	0.0
100	PSK16QAM	256	120	27.73	27.73	22.0	0.0
100	PSK16QAM	256	121	27.79	27.79	22.0	0.0
100	PSK16QAM	256	122	27.85	27.85	22.0	0.0
100	PSK16QAM	256	123	27.91	27.91	22.0	0.0
100	PSK16QAM	256	124	27.97	27.97	22.0	0.0
100	PSK16QAM	256	125	28.03	28.03	22.0	0.0
100	PSK16QAM	256	126	28.09	28.09	22.0	0.0
100	PSK16QAM	256	127	28.15	28.15	22.0	0.0
100	PSK16QAM	256	128	28.21	28.21	22.0	0.0
100	PSK16QAM	256	129	28.27	28.27	22.0	0.0
100	PSK16QAM	256	130	28.33	28.33	22.0	0.0
100	PSK16QAM	256	131	28.39	28.39	22.0	0.0
100	PSK16QAM	256	132	28.45	28.45	22.0	0.0
100	PSK16QAM	256	133	28.51	28.51	22.0	0.0
100	PSK16QAM	256	134	28.57	28.57	22.0	0.0
100	PSK16QAM	256	135	28.63	28.63	22.0	0.0
100	PSK16QAM	256	136	28.69	28.69	22.0	0.0
100	PSK16QAM	256	137	28.75	28.75	22.0	0.0
100	PSK16QAM	256	138	28.81	28.81	22.0	0.0
100	PSK16QAM	256	139	28.87	28.87	22.0	0.0
100	PSK16QAM	256	140	28.93	28.93	22.0	0.0
100	PSK16QAM	256	141	28.99	28.99	22.0	0.0
100	PSK16QAM	256	142	29.05	29.05	22.0	0.0
100	PSK16QAM	256	143	29.11	29.11	22.0	0.0
100	PSK16QAM	256	144	29.17	29.17	22.0	0.0
100	PSK16QAM	256	145	29.23	29.23	22.0	0.0
100	PSK16QAM	256	146	29.29	29.29	22.0	0.0
100	PSK16QAM	256	147	29.35	29.35	22.0	0.0
100	PSK16QAM	256	148	29.41	29.41	22.0	0.0
100	PSK16QAM	256	149	29.47	29.47	22.0	0.0
100	PSK16QAM	256	150	29.53	29.53	22.0	0.0
100	PSK16QAM	256	151	29.59	29.59	22.0	0.0
100	PSK16QAM	256	152	29.65	29.65	22.0	0.0
100	PSK16QAM	256	153	29.71	29.71	22.0	0.0
100	PSK16QAM	256	154	29.77	29.77	22.0	0.0
100	PSK16QAM	256	155	29.83	29.83	22.0	0.0
100	PSK16QAM	256					

Part270_Nr2_Ant 11							
Bit Index	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Transmitting signal type	MPH (dB)
				600000	600000		
150	PB2 BPSK	1	1	20.36	20.36		
150	PB2 BPSK	1	147	20.48	20.48	22.0	0.0
150	PB2 BPSK	1	293	20.60	20.60		
150	PB2 BPSK	140	0	20.48	20.48	22.0	0.0
150	PB2 BPSK	133	66	20.51	20.51	22.0	0.0
150	PB2 BPSK	133	132	20.54	20.54	22.0	0.0
150	PB2 BPSK	270	0	20.38	20.38	22.0	0.0
150	QPSK	1	1	20.70	20.70		
150	QPSK	1	147	20.82	20.82		
150	QPSK	1	293	20.95	20.95		
150	QPSK	140	0	20.70	20.70	22.0	0.0
150	QPSK	133	66	20.73	20.73	22.0	0.0
150	QPSK	133	132	20.76	20.76	22.0	0.0
150	QPSK	270	0	20.58	20.58	22.0	0.0
150	QPSK	270	135	20.61	20.61	22.0	0.0
150	QPSK	270	270	20.64	20.64	22.0	0.0
150	QPSK	270	405	20.67	20.67	22.0	0.0
150	QPSK	270	540	20.70	20.70	22.0	0.0
150	QPSK	270	675	20.73	20.73	22.0	0.0
150	QPSK	270	810	20.76	20.76	22.0	0.0
150	QPSK	270	945	20.79	20.79	22.0	0.0
150	QPSK	270	1080	20.82	20.82	22.0	0.0
150	QPSK	270	1215	20.85	20.85	22.0	0.0
150	QPSK	270	1350	20.88	20.88	22.0	0.0
150	QPSK	270	1485	20.91	20.91	22.0	0.0
150	QPSK	270	1620	20.94	20.94	22.0	0.0
150	QPSK	270	1755	20.97	20.97	22.0	0.0
150	QPSK	270	1890	21.00	21.00	22.0	0.0
150	QPSK	270	2025	21.03	21.03	22.0	0.0
150	QPSK	270	2160	21.06	21.06	22.0	0.0
150	QPSK	270	2295	21.09	21.09	22.0	0.0
150	QPSK	270	2430	21.12	21.12	22.0	0.0
150	QPSK	270	2565	21.15	21.15	22.0	0.0
150	QPSK	270	2700	21.18	21.18	22.0	0.0
150	QPSK	270	2835	21.21	21.21	22.0	0.0
150	QPSK	270	2970	21.24	21.24	22.0	0.0
150	QPSK	270	3105	21.27	21.27	22.0	0.0
150	QPSK	270	3240	21.30	21.30	22.0	0.0
150	QPSK	270	3375	21.33	21.33	22.0	0.0
150	QPSK	270	3510	21.36	21.36	22.0	0.0
150	QPSK	270	3645	21.39	21.39	22.0	0.0
150	QPSK	270	3780	21.42	21.42	22.0	0.0
150	QPSK	270	3915	21.45	21.45	22.0	0.0
150	QPSK	270	4050	21.48	21.48	22.0	0.0
150	QPSK	270	4185	21.51	21.51	22.0	0.0
150	QPSK	270	4320	21.54	21.54	22.0	0.0
150	QPSK	270	4455	21.57	21.57	22.0	0.0
150	QPSK	270	4590	21.60	21.60	22.0	0.0
150	QPSK	270	4725	21.63	21.63	22.0	0.0
150	QPSK	270	4860	21.66	21.66	22.0	0.0
150	QPSK	270	4995	21.69	21.69	22.0	0.0
150	QPSK	270	5130	21.72	21.72	22.0	0.0
150	QPSK	270	5265	21.75	21.75	22.0	0.0
150	QPSK	270	5400	21.78	21.78	22.0	0.0
150	QPSK	270	5535	21.81	21.81	22.0	0.0
150	QPSK	270	5670	21.84	21.84	22.0	0.0
150	QPSK	270	5805	21.87	21.87	22.0	0.0
150	QPSK	270	5940	21.90	21.90	22.0	0.0
150	QPSK	270	6075	21.93	21.93	22.0	0.0
150	QPSK	270	6210	21.96	21.96	22.0	0.0
150	QPSK	270	6345	21.99	21.99	22.0	0.0
150	QPSK	270	6480	22.02	22.02	22.0	0.0
150	QPSK	270	6615	22.05	22.05	22.0	0.0
150	QPSK	270	6750	22.08	22.08	22.0	0.0
150	QPSK	270	6885	22.11	22.11	22.0	0.0
150	QPSK	270	7020	22.14	22.14	22.0	0.0
150	QPSK	270	7155	22.17	22.17	22.0	0.0
150	QPSK	270	7290	22.20	22.20	22.0	0.0
150	QPSK	270	7425	22.23	22.23	22.0	0.0
150	QPSK	270	7560	22.26	22.26	22.0	0.0
150	QPSK	270	7695	22.29	22.29	22.0	0.0
150	QPSK	270	7830	22.32	22.32	22.0	0.0
150	QPSK	270	7965	22.35	22.35	22.0	0.0
150	QPSK	270	8100	22.38	22.38	22.0	0.0
150	QPSK	270	8235	22.41	22.41	22.0	0.0
150	QPSK	270	8370	22.44	22.44	22.0	0.0
150	QPSK	270	8505	22.47	22.47	22.0	0.0
150	QPSK	270	8640	22.50	22.50	22.0	0.0
150	QPSK	270	8775	22.53	22.53	22.0	0.0
150	QPSK	270	8910	22.56	22.56	22.0	0.0
150	QPSK	270	9045	22.59	22.59	22.0	0.0
150	QPSK	270	9180	22.62	22.62	22.0	0.0
150	QPSK	270	9315	22.65	22.65	22.0	0.0
150	QPSK	270	9450	22.68	22.68	22.0	0.0
150	QPSK	270	9585	22.71	22.71	22.0	0.0
150	QPSK	270	9720	22.74	22.74	22.0	0.0
150	QPSK	270	9855	22.77	22.77	22.0	0.0
150	QPSK	270	9990	22.80	22.80	22.0	0.0
150	QPSK	270	10125	22.83	22.83	22.0	0.0
150	QPSK	270	10260	22.86	22.86	22.0	0.0
150	QPSK	270	10395	22.89	22.89	22.0	0.0
150	QPSK	270	10530	22.92	22.92	22.0	0.0
150	QPSK	270	10665	22.95	22.95	22.0	0.0
150	QPSK	270	10800	22.98	22.98	22.0	0.0
150	QPSK	270	10935	23.01	23.01	22.0	0.0
150	QPSK	270	11070	23.04	23.04	22.0	0.0
150	QPSK	270	11205	23.07	23.07	22.0	0.0
150	QPSK	270	11340	23.10	23.10	22.0	0.0
150	QPSK	270	11475	23.13	23.13	22.0	0.0
150	QPSK	270	11610	23.16	23.16	22.0	0.0
150	QPSK	270	11745	23.19	23.19	22.0	0.0
150	QPSK	270	11880	23.22	23.22	22.0	0.0
150	QPSK	270	12015	23.25	23.25	22.0	0.0
150	QPSK	270	12150	23.28	23.28	22.0	0.0
150	QPSK	270	12285	23.31	23.31	22.0	0.0
150	QPSK	270	12420	23.34	23.34	22.0	0.0
150	QPSK	270	12555	23.37	23.37	22.0	0.0
150	QPSK	270	12690	23.40	23.40	22.0	0.0
150	QPSK	270	12825	23.43	23.43	22.0	0.0
150	QPSK	270	12960	23.46	23.46	22.0	0.0
150	QPSK	270	13095	23.49	23.49	22.0	0.0
150	QPSK	270	13230	23.52	23.52	22.0	0.0
150	QPSK	270	13365	23.55	23.55	22.0	0.0
150	QPSK	270	13500	23.58	23.58	22.0	0.0
150	QPSK	270	13635	23.61	23.61	22.0	0.0
150	QPSK	270	13770	23.64	23.64	22.0	0.0
150	QPSK	270	13905	23.67	23.67	22.0	0.0
150	QPSK	270	14040	23.70	23.70	22.0	0.0
150	QPSK	270	14175	23.73	23.73	22.0	0.0
150	QPSK	270	14310	23.76	23.76	22.0	0.0
150	QPSK	270	14445	23.79	23.79	22.0	0.0
150	QPSK	270	14580	23.82	23.82	22.0	0.0
150	QPSK	270	14715	23.85	23.85	22.0	0.0
150	QPSK	270	14850	23.88	23.88	22.0	0.0
150	QPSK	270	14985	23.91	23.91	22.0	0.0
150	QPSK	270	15120	23.94	23.94	22.0	0.0
150	QPSK	270	15255	23.97	23.97	22.0	0.0
150	QPSK	270	15390	24.00	24.00	22.0	0.0
150	QPSK	270	15525	24.03	24.03	22.0	0.0
150	QPSK	270	15660	24.06	24.06	22.0	0.0
150	QPSK	270	15795	24.09	24.09	22.0	0.0
150	QPSK	270	15930	24.12	24.12	22.0	0.0
150	QPSK	270	16065	24.15	24.15	22.0	0.0
150	QPSK	270	16200	24.18	24.18	22.0	0.0
150	QPSK	270	16335	24.21	24.21	22.0	0.0
150	QPSK	270	16470	24.24	24.24	22.0	0.0
150	QPSK	270	16605	24.27	24.27	22.0	0.0
150	QPSK	270	16740	24.30	24.30	22.0	0.0
150	QPSK	270	16875	24.33	24.33	22.0	0.0
150	QPSK	270	17010	24.36	24.36	22.0	0.0
150	QPSK	270	17145	24.39	24.39	22.0	0.0
150	QPSK	270	17280	24.42	24.42	22.0	0.0
150	QPSK	270	17415	24.45	24.45	22.0	0.0
150	QPSK	270	17550	24.48	24.48	22.0	0.0
150	QPSK	270	17685	24.51	24.51	22.0	0.0
150	QPSK	270	17820	24.54	24.54	22.0	0.0
150	QPSK	270	17955	24.57	24.57	22.0	0.0
150	QPSK	270	18090	24.60	24.60	22.0	0.0
150	QPSK	270	18225	24.63	24.63	22.0	0.0
150	QPSK	270	18360	24.66	24.66	22.0	0.0
150	QPSK	270	18495	24.69	24.69	22.0	0.0
150	QPSK	270	18630	24.72	24.72	22.0	0.0
150	QPSK	270	18765	24.75	24.75	22.0	0.0
150	QPSK	270	18900	24.78	24.78	22.0	0.0
150	QPSK	270	19035	24.81	24.81	22.0	0.0
150	QPSK	270	19170	24.84	24.84	22.0	0.0
150	QPSK	270	19305	24.87	24.87	22.0	0.0
150	QPSK	270	19440	24.90	24.90	22.0	0.0
150	QPSK	270	19575	24.93	24.93	22.0	0.0
150	QPSK	270	19710	24.96	24.96	22.0	0.0
150	QPSK	270	19845	24.99	24.99	22.0	0.0
150	QPSK	270	19980	25.02	25.02	22.0	0.0
150	QPSK	270	20115	25.05	25.05	22.0	0.0
150	QPSK	270	20250	25.08	25.08	22.0	0.0
150	QPSK	270	20385	25.11	25.11	22.0	0.0
150	QPSK	270					

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Part27Q_n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Minus Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Turn-on time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.70			18.0	0.0	
100	PI2 BPSK	1	137	16.70					
100	PI2 BPSK	1	271	16.80					
100	PI2 BPSK	135	0	16.21			18.0	0.0	
100	PI2 BPSK	135	86	16.74			18.0	0.0	
100	PI2 BPSK	135	136	16.29			18.0	0.0	
100	PI2 BPSK	270	0	16.27			18.0	0.0	
100	QPSK	1	1	16.88					
100	QPSK	1	137	16.77					
100	QPSK	1	271	16.25			18.0	0.0	
100	QPSK	135	0	16.89					
100	QPSK	135	86	16.77					
100	QPSK	135	136	16.82			18.0	0.0	
100	QPSK	270	0	16.30					
100	QPSK	270	1	16.30					
100	8QAM	1	1	16.54			18.0	0.0	
100	256QAM	1	1	16.34			18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.81	16.76	16.76	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.70	16.75	16.76	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.81	16.76	16.74	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.81	16.76	16.71	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.72	16.71	16.70	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.77	16.71	16.77	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.77	16.71	16.77	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.72	16.76	16.80	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.92	16.80	16.79	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.70	16.70	16.70	18.0	0.0	

Part27O_n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.54				18.0	0.0
100	PI2 BPSK	1	137	16.57					
100	PI2 BPSK	1	271	16.69					
100	PI2 BPSK	135	0	16.50				18.0	0.0
100	PI2 BPSK	135	86	16.77				18.0	0.0
100	PI2 BPSK	135	136	16.68				18.0	0.0
100	PI2 BPSK	270	0	16.58				18.0	0.0
100	QPSK	1	1	16.82					
100	QPSK	1	137	16.89					
100	QPSK	1	271	16.75				18.0	0.0
100	QPSK	135	0	16.52					
100	QPSK	135	86	16.55					
100	QPSK	135	136	16.56				18.0	0.0
100	QPSK	270	0	16.52					
100	QPSK	270	1	16.56					
100	8QAM	1	1	16.50				18.0	0.0
100	256QAM	1	1	16.35				18.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.73	16.73	16.73	16.73	18.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.74	16.77	16.70	16.70	18.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.72	16.80	16.72	16.70	18.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.82	16.78	16.71	16.71	18.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.74	16.81	16.70	16.70	18.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.72	16.77	16.81	16.81	18.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.74	16.80	16.77	16.70	18.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.70	16.79	16.76	16.76	18.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.70	16.70	16.70	16.70	18.0	0.0

Part27Q_n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.68			23.0	0.0	
100	PI2 BPSK	1	137	22.55					
100	PI2 BPSK	1	271	22.38					
100	PI2 BPSK	135	0	22.60			23.0	0.0	
100	PI2 BPSK	135	86	22.35			23.0	0.0	
100	PI2 BPSK	135	136	21.79			23.0	0.0	
100	PI2 BPSK	270	0	21.80			23.0	0.0	
100	QPSK	1	1	22.68					
100	QPSK	1	137	22.46					
100	QPSK	1	271	21.38			23.0	0.0	
100	QPSK	135	0	21.38					
100	QPSK	135	86	22.41					
100	QPSK	135	136	21.28			23.0	0.0	
100	QPSK	270	0	21.30					
100	QPSK	270	1	21.87					
100	8QAM	1	1	20.89			21.5	2.0	
100	256QAM	1	1	18.63			18.5	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.63	22.63	22.63	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.61	22.64	22.64	23.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.60	22.60	22.64	23.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.66	22.62	22.63	23.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.63	22.60	22.63	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.61	22.66	22.64	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.67	22.57	22.68	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.58	22.41	22.64	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.51	22.41	22.61	23.0	0.0	



Reduced Power Mode for DSI 3

n2_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Media Ch. Freq. 376000	Power High Ch. Freq. 380000	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	16.63	16.63	16.65			
20	PSSBPSK	1	33	16.71	16.84	16.85	16.5	0.0	
20	PSSBPSK	1	104	16.82	16.85	16.85			
20	PSSBPSK	50	0	16.71	16.80	16.82	16.5	0.0	
20	PSSBPSK	50	38	16.83	16.83	16.82	16.5	0.0	
20	PSSBPSK	50	56	16.63	16.66	16.65	16.5	0.0	
20	PSSBPSK	100	0	16.74	16.78	16.71			
20	QPSK	1	1	16.63	16.65	16.65			
20	QPSK	1	33	16.69	16.80	16.88	16.5	0.0	
20	QPSK	1	104	16.77	16.81	16.85			
20	QPSK	50	0	16.74	16.75	16.75	16.5	0.0	
20	QPSK	50	0	16.74	16.75	16.75	16.5	0.0	
20	QPSK	50	38	16.73	16.76	16.85	16.5	0.0	
20	QPSK	50	56	16.73	16.76	16.85	16.5	0.0	
20	QPSK	100	0	16.75	16.80	16.75	16.5	0.0	
20	84QAM	1	1	16.75	16.76	16.75	16.5	0.0	
20	84QAM	1	1	16.74	16.78	16.80	16.5	0.0	
20	84QAM	1	1	16.71	16.81	16.73	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.58	16.61	16.70	16.5	0.0	
Channel									
Frequency (MHz)									
371000	376000	381000	386000	Time-up time	MFR				
371000	376000	381000	386000	Time-up time	MFR				
10	QPSK	1	1	16.73	16.72	16.75	16.5	0.0	
Channel									
Frequency (MHz)									
370000	376000	381000	386000	Time-up time	MFR				
370000	376000	381000	386000	Time-up time	MFR				
5	QPSK	1	1	16.69	16.81	16.65	16.5	0.0	

n2_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Media Ch. Freq. 376000	Power High Ch. Freq. 380000	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	15.51	15.49	15.55			
20	PSSBPSK	1	33	15.41	15.50	15.55	17.0	0.0	
20	PSSBPSK	1	104	15.42	15.47	15.45			
20	PSSBPSK	50	0	15.32	15.48	15.38	17.0	0.0	
20	PSSBPSK	50	38	15.48	15.49	15.45	17.0	0.0	
20	PSSBPSK	50	56	15.37	15.40	15.31	17.0	0.0	
20	PSSBPSK	100	0	15.41	15.42	15.43			
20	QPSK	1	1	15.52	15.55	15.55			
20	QPSK	1	33	15.50	15.57	15.52	17.0	0.0	
20	QPSK	1	104	15.50	15.57	15.48			
20	QPSK	50	0	15.41	15.50	15.44	17.0	0.0	
20	QPSK	50	38	15.51	15.53	15.55	17.0	0.0	
20	QPSK	50	56	15.47	15.45	15.35	17.0	0.0	
20	QPSK	100	0	15.45	15.52	15.44	17.0	0.0	
20	84QAM	1	1	15.48	15.47	15.41	17.0	0.0	
20	84QAM	1	1	15.47	15.46	15.47	17.0	0.0	
20	84QAM	1	1	15.46	15.47	15.46	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.47	15.48	15.43	17.0	0.0	
Channel									
Frequency (MHz)									
371000	376000	381000	386000	Time-up time	MFR				
371000	376000	381000	386000	Time-up time	MFR				
10	QPSK	1	1	15.47	15.45	15.41	17.0	0.0	
Channel									
Frequency (MHz)									
370000	376000	381000	386000	Time-up time	MFR				
370000	376000	381000	386000	Time-up time	MFR				
5	QPSK	1	1	15.46	15.49	15.39	17.0	0.0	

n5_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 168000	Power Media Ch. Freq. 167300	Power High Ch. Freq. 167600	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	16.74	16.68	16.63			
20	PSSBPSK	1	33	16.65	16.65	16.52	21.0	0.0	
20	PSSBPSK	1	104	16.65	16.65	16.50			
20	PSSBPSK	50	0	16.68	16.62	16.57	21.0	0.0	
20	PSSBPSK	50	38	16.68	16.67	16.51	21.0	0.0	
20	PSSBPSK	50	56	16.55	16.61	16.58	21.0	0.0	
20	PSSBPSK	100	0	16.50	16.63	16.62			
20	QPSK	1	1	16.75	16.70	16.71			
20	QPSK	1	33	16.66	16.67	16.52	21.0	0.0	
20	QPSK	1	104	16.66	16.74	16.71			
20	QPSK	50	0	16.73	16.69	16.62	21.0	0.0	
20	QPSK	50	38	16.73	16.74	16.63	21.0	0.0	
20	QPSK	50	56	16.65	16.65	16.59	21.0	0.0	
20	QPSK	100	0	16.66	16.72	16.66	21.0	0.0	
20	84QAM	1	1	16.63	16.70	16.65	21.0	0.0	
20	84QAM	1	1	16.71	16.71	16.64	21.0	0.0	
20	84QAM	1	1	16.70	16.70	16.52	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.68	16.71	16.65	21.0	0.0	
Channel									
Frequency (MHz)									
168000	167300	166600	165900	Time-up time	MFR				
168000	167300	166600	165900	Time-up time	MFR				
10	QPSK	1	1	16.70	16.73	16.60	21.0	0.0	
Channel									
Frequency (MHz)									
167000	167300	166600	165900	Time-up time	MFR				
167000	167300	166600	165900	Time-up time	MFR				
5	QPSK	1	1	16.70	16.64	16.67	21.0	0.0	

n5_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 167000	Power Media Ch. Freq. 167300	Power High Ch. Freq. 167600	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	23.43	23.49	23.46			
20	PSSBPSK	1	33	23.42	23.46	23.37	25.0	0.0	
20	PSSBPSK	1	104	23.35	23.37	23.19			
20	PSSBPSK	50	0	23.78	22.67	22.78	24.5	0.0	
20	PSSBPSK	50	38	23.37	23.34	23.32	25.0	0.0	
20	PSSBPSK	50	56	22.71	22.70	22.70	24.5	0.0	
20	PSSBPSK	100	0	22.75	22.65	22.76			
20	QPSK	1	1	23.35	23.37	23.48			
20	QPSK	1	33	23.43	23.42	23.36	25.0	0.0	
20	QPSK	1	104	23.35	23.35	23.17			
20	QPSK	50	0	22.28	22.39	22.29	24.0	1.0	
20	QPSK	50	38	22.38	22.39	22.31	25.0	0.0	
20	QPSK	50	56	22.68	22.15	22.17	24.0	1.0	
20	QPSK	100	0	22.24	22.35	22.26			
20	84QAM	1	1	22.55	22.54	22.51	24.0	1.0	
20	84QAM	1	1	21.02	21.10	21.03	22.5	2.0	
20	84QAM	1	1	19.04	19.13	19.08	20.0	4.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.43	23.35	23.48	25.0	0.0	
Channel									
Frequency (MHz)									
166800	167300	166800	166300	Time-up time	MFR				
166800	167300	166800	166300	Time-up time	MFR				
10	QPSK	1	1	23.43	23.53	23.47	25.0	0.0	
Channel									
Frequency (MHz)									
165800	167300	166800	166300	Time-up time	MFR				
165800	167300	166800	166300	Time-up time	MFR				
5	QPSK	1	1	23.41	23.52	23.39	25.0	0.0	

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Site (km)	Stratigraphy	File Size	File Offset	Process Ch. 1 (sec)	Process Ch. 2 (sec)	Process Ch. 3 (sec)	MPR (dB)
40	FLG-BP-1000	1	1	18.10	13.14	14.58	0.0
40	FLG-BP-1000	1	2	18.10	13.14	14.58	15.0
40	FLG-BP-1000	1	214	13.99	14.02	14.01	0.0
40	FLG-BP-1000	1	215	13.99	14.02	14.01	15.0
40	FLG-BP-1000	100	4	13.98	14.08	15.04	0.0
40	FLG-BP-1000	100	5	13.98	14.08	15.04	15.0
40	GPSR - 1	1	1	15.02	13.97	13.97	0.0
40	GPSR - 1	1	2	15.02	13.97	13.97	15.0
40	GPSR - 1	100	4	14.97	14.08	14.14	0.0
40	GPSR - 1	100	5	14.97	14.08	14.14	15.0
40	GPSR - 1	214	12	14.02	14.01	14.01	0.0
40	GPSR - 1	215	13	14.02	14.01	14.01	15.0
40	GPSR - 100	4	13.98	14.08	15.04	0.0	
40	GPSR - 100	5	13.98	14.08	15.04	15.0	
40	GPSR - 100	100	4	13.93	13.93	13.98	0.0
40	GPSR - 100	100	5	13.93	13.93	13.98	15.0
40	HSR-1	1	1	13.92	13.93	13.97	0.0
40	HSR-1	1	2	13.92	13.93	13.97	15.0
40	HSR-1	100	4	13.91	14.01	14.01	0.0
40	HSR-1	100	5	13.91	14.01	14.01	15.0
40	HSR-1	214	12	13.91	14.01	14.01	0.0
40	HSR-1	215	13	13.91	14.01	14.01	15.0
40	HSR-1	1000	4	13.91	14.01	14.01	0.0
40	HSR-1	1000	5	13.91	14.01	14.01	15.0
40	HSR-1	2100	4	13.91	14.01	14.01	0.0
40	HSR-1	2100	5	13.91	14.01	14.01	15.0
40	HSR-1	2100	10	13.91	14.01	14.01	0.0
40	HSR-1	2100	11	13.91	14.01	14.01	15.0
40	HSR-1	2100	20	13.91	14.01	14.01	0.0
40	HSR-1	2100	21	13.91	14.01	14.01	15.0
40	HSR-1	2100	30	13.91	14.01	14.01	0.0
40	HSR-1	2100	31	13.91	14.01	14.01	15.0
40	HSR-1	2100	40	13.91	14.01	14.01	0.0
40	HSR-1	2100	41	13.91	14.01	14.01	15.0
40	HSR-1	2100	50	13.91	14.01	14.01	0.0
40	HSR-1	2100	51	13.91	14.01	14.01	15.0
40	HSR-1	2100	60	13.91	14.01	14.01	0.0
40	HSR-1	2100	61	13.91	14.01	14.01	15.0
40	HSR-1	2100	70	13.91	14.01	14.01	0.0
40	HSR-1	2100	71	13.91	14.01	14.01	15.0
40	HSR-1	2100	80	13.91	14.01	14.01	0.0
40	HSR-1	2100	81	13.91	14.01	14.01	15.0
40	HSR-1	2100	90	13.91	14.01	14.01	0.0
40	HSR-1	2100	91	13.91	14.01	14.01	15.0
40	HSR-1	2100	100	13.91	14.01	14.01	0.0
40	HSR-1	2100	101	13.91	14.01	14.01	15.0
40	HSR-1	2100	110	13.91	14.01	14.01	0.0
40	HSR-1	2100	111	13.91	14.01	14.01	15.0
40	HSR-1	2100	120	13.91	14.01	14.01	0.0
40	HSR-1	2100	121	13.91	14.01	14.01	15.0
40	HSR-1	2100	130	13.91	14.01	14.01	0.0
40	HSR-1	2100	131	13.91	14.01	14.01	15.0
40	HSR-1	2100	140	13.91	14.01	14.01	0.0
40	HSR-1	2100	141	13.91	14.01	14.01	15.0
40	HSR-1	2100	150	13.91	14.01	14.01	0.0
40	HSR-1	2100	151	13.91	14.01	14.01	15.0
40	HSR-1	2100	160	13.91	14.01	14.01	0.0
40	HSR-1	2100	161	13.91	14.01	14.01	15.0
40	HSR-1	2100	170	13.91	14.01	14.01	0.0
40	HSR-1	2100	171	13.91	14.01	14.01	15.0
40	HSR-1	2100	180	13.91	14.01	14.01	0.0
40	HSR-1	2100	181	13.91	14.01	14.01	15.0
40	HSR-1	2100	190	13.91	14.01	14.01	0.0
40	HSR-1	2100	191	13.91	14.01	14.01	15.0
40	HSR-1	2100	200	13.91	14.01	14.01	0.0
40	HSR-1	2100	201	13.91	14.01	14.01	15.0
40	HSR-1	2100	210	13.91	14.01	14.01	0.0
40	HSR-1	2100	211	13.91	14.01	14.01	15.0
40	HSR-1	2100	220	13.91	14.01	14.01	0.0
40	HSR-1	2100	221	13.91	14.01	14.01	15.0
40	HSR-1	2100	230	13.91	14.01	14.01	0.0
40	HSR-1	2100	231	13.91	14.01	14.01	15.0
40	HSR-1	2100	240	13.91	14.01	14.01	0.0
40	HSR-1	2100	241	13.91	14.01	14.01	15.0
40	HSR-1	2100	250	13.91	14.01	14.01	0.0
40	HSR-1	2100	251	13.91	14.01	14.01	15.0
40	HSR-1	2100	260	13.91	14.01	14.01	0.0
40	HSR-1	2100	261	13.91	14.01	14.01	15.0
40	HSR-1	2100	270	13.91	14.01	14.01	0.0
40	HSR-1	2100	271	13.91	14.01	14.01	15.0
40	HSR-1	2100	280	13.91	14.01	14.01	0.0
40	HSR-1	2100	281	13.91	14.01	14.01	15.0
40	HSR-1	2100	290	13.91	14.01	14.01	0.0
40	HSR-1	2100	291	13.91	14.01	14.01	15.0
40	HSR-1	2100	300	13.91	14.01	14.01	0.0
40	HSR-1	2100	301	13.91	14.01	14.01	15.0
40	HSR-1	2100	310	13.91	14.01	14.01	0.0
40	HSR-1	2100	311	13.91	14.01	14.01	15.0
40	HSR-1	2100	320	13.91	14.01	14.01	0.0
40	HSR-1	2100	321	13.91	14.01	14.01	15.0
40	HSR-1	2100	330	13.91	14.01	14.01	0.0
40	HSR-1	2100	331	13.91	14.01	14.01	15.0
40	HSR-1	2100	340	13.91	14.01	14.01	0.0
40	HSR-1	2100	341	13.91	14.01	14.01	15.0
40	HSR-1	2100	350	13.91	14.01	14.01	0.0
40	HSR-1	2100	351	13.91	14.01	14.01	15.0
40	HSR-1	2100	360	13.91	14.01	14.01	0.0
40	HSR-1	2100	361	13.91	14.01	14.01	15.0
40	HSR-1	2100	370	13.91	14.01	14.01	0.0
40	HSR-1	2100	371	13.91	14.01	14.01	15.0
40	HSR-1	2100	380	13.91	14.01	14.01	0.0
40	HSR-1	2100	381	13.91	14.01	14.01	15.0
40	HSR-1	2100	390	13.91	14.01	14.01	0.0
40	HSR-1	2100	391	13.91	14.01	14.01	15.0
40	HSR-1	2100	400	13.91	14.01	14.01	0.0
40	HSR-1	2100	401	13.91	14.01	14.01	15.0
40	HSR-1	2100	410	13.91	14.01	14.01	0.0
40	HSR-1	2100	411	13.91	14.01	14.01	15.0
40	HSR-1	2100	420	13.91	14.01	14.01	0.0
40	HSR-1	2100	421	13.91	14.01	14.01	15.0
40	HSR-1	2100	430	13.91	14.01	14.01	0.0
40	HSR-1	2100	431	13.91	14.01	14.01	15.0
40	HSR-1	2100	440	13.91	14.01	14.01	0.0
40	HSR-1	2100	441	13.91	14.01	14.01	15.0
40	HSR-1	2100	450	13.91	14.01	14.01	0.0
40	HSR-1	2100	451	13.91	14.01	14.01	15.0
40	HSR-1	2100	460	13.91	14.01	14.01	0.0
40	HSR-1	2100	461	13.91	14.01	14.01	15.0
40	HSR-1	2100	470	13.91	14.01	14.01	0.0
40	HSR-1	2100	471	13.91	14.01	14.01	15.0
40	HSR-1	2100	480	13.91	14.01	14.01	0.0
40	HSR-1	2100	481	13.91	14.01	14.01	15.0
40	HSR-1	2100	490	13.91	14.01	14.01	0.0
40	HSR-1	2100	491	13.91	14.01	14.01	15.0
40	HSR-1	2100	500	13.91	14.01	14.01	0.0
40	HSR-1	2100	501	13.91	14.01	14.01	15.0
40	HSR-1	2100	510	13.91	14.01	14.01	0.0
40	HSR-1	2100	511	13.91	14.01	14.01	15.0
40	HSR-1	2100	520	13.91	14.01	14.01	0.0
40	HSR-1	2100	521	13.91	14.01	14.01	15.0
40	HSR-1	2100	530	13.91	14.01	14.01	0.0
40	HSR-1	2100	531	13.91	14.01	14.01	15.0
40	HSR-1	2100	540	13.91	14.01	14.01	0.0
40	HSR-1	2100	541	13.91	14.01	14.01	15.0
40	HSR-1	2100	550	13.91	14.01	14.01	0.0
40	HSR-1	2100	551	13.91	14.01	14.01	15.0
40	HSR-1	2100	560	13.91	14.01	14.01	0.0
40	HSR-1	2100	561	13.91	14.01	14.01	15.0
40	HSR-1	2100	570	13.91	14.01	14.01	0.0
40	HSR-1	2100	571	13.91	14.01	14.01	15.0
40	HSR-1	2100	580	13.91	14.01	14.01	0.0
40	HSR-1	2100	581	13.91	14.01	14.01	15.0
40	HSR-1	2100	590	13.91	14.01	14.01	0.0
40	HSR-1	2100	591	13.91	14.01	14.01	15.0
40	HSR-1	2100	600	13.91	14.01	14.01	0.0
40	HSR-1	2100	601	13.91	14.01	14.01	15.0
40	HSR-1	2100	610	13.91	14.01	14.01	0.0
40	HSR-1	2100	611	13.91	14.01	14.01	15.0
40	HSR-1	2100	620	13.91	14.01	14.01	0.0
40	HSR-1	2100	621	13.91	14.01	14.01	15.0
40	HSR-1	2100	630	13.91	14.01	14.01	0.0
40	HSR-1	2100	631	13.91	14.01	14.01	15.0
40	HSR-1	2100	640	13.91	14.01	14.01	0.0
40	HSR-1	2100	641	13.91	14.01	14.01	15.0
40	HSR-1	2100	650	13.91	14.01	14.01	0.0
40	HSR-1	2100	651	13.91	14.01	14.01	15.0
40	HSR-1	2100	660	13.91	14.01	14.01	0.0
40	HSR-1	2100	661	13.91	14.01	14.01	15.0
40	HSR-1	2100	670	13.91	14.01	14.01	0.0
40	HSR-1	2100	671	13.91	14.01	14.01	15.0
40	HSR-1	2100	680	13.91	14.01	14.01	0.0
40	HSR-1	2100	681	13.91	14.01	14.01	15.0
40	HSR-1	2100	690	13.91	14.01	14.01	0.0
40	HSR-1	2100	691	13.9			

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Bit (MHz)	Modulation	RB Size	RB Cnt	Power Spectral Density (W/100KHz)	Power Spectral Density (W/100KHz)	Power Spectral Density (W/100KHz)	MFR (dB)
40	Frequency Modulation	1	1	22.36	22.39	22.37	0.0
40	Frequency Modulation	1	1	22.43	22.43	22.43	24.0
40	Frequency Modulation	1	214	22.33	22.31	22.35	0.0
40	Frequency Modulation	1	214	22.43	22.43	22.43	24.0
40	Frequency Modulation	168	54	22.34	22.37	22.35	0.0
40	Frequency Modulation	168	54	22.43	22.43	22.43	24.0
40	Frequency Modulation	168	168	21.60	21.69	21.67	23.5
40	Frequency Modulation	168	168	22.43	22.43	22.43	24.0
40	QPSK	1	1	22.41	22.48	22.44	0.0
40	QPSK	1	1	22.43	22.43	22.43	24.0
40	QPSK	1	214	22.37	22.37	22.37	0.0
40	QPSK	1	214	22.43	22.43	22.43	24.0
40	QPSK	168	54	21.61	21.70	21.65	24.0
40	QPSK	168	54	22.43	22.43	22.43	24.0
40	QPSK	168	168	21.64	21.75	21.67	23.5
40	QPSK	168	168	22.43	22.43	22.43	24.0
40	16QAM	1	1	21.52	21.54	21.54	23.0
40	16QAM	1	1	22.43	22.43	22.43	24.0
40	16QAM	1	214	17.91	18.00	17.95	4.3
40	16QAM	1	214	22.43	22.43	22.43	24.0
40	16QAM	168	54	20.13	20.18	20.15	0.0
40	16QAM	168	54	22.43	22.43	22.43	24.0
40	QPSK	1	1	22.37	22.40	22.38	24.0
40	QPSK	1	1	22.43	22.43	22.43	24.0
24	Frequency Modulation	1	1	22.33	22.41	22.44	0.0
24	Frequency Modulation	1	1	22.43	22.43	22.43	24.0
24	Frequency Modulation	1	214	22.33	22.33	22.33	0.0
24	Frequency Modulation	1	214	22.43	22.43	22.43	24.0
24	Frequency Modulation	168	54	22.33	22.33	22.33	0.0
24	Frequency Modulation	168	54	22.43	22.43	22.43	24.0
24	Frequency Modulation	168	168	21.61	21.70	21.65	23.5
24	Frequency Modulation	168	168	22.43	22.43	22.43	24.0
15	QPSK	1	1	22.39	22.37	22.34	24.0
15	QPSK	1	1	22.43	22.43	22.43	24.0
15	QPSK	1	214	22.33	22.33	22.33	0.0
15	QPSK	1	214	22.43	22.43	22.43	24.0
15	QPSK	168	54	22.33	22.33	22.33	0.0
15	QPSK	168	54	22.43	22.43	22.43	24.0
15	QPSK	168	168	21.61	21.70	21.65	23.5
15	QPSK	168	168	22.43	22.43	22.43	24.0
8	QPSK	1	1	22.35	22.35	22.41	24.0
8	QPSK	1	1	22.43	22.43	22.43	24.0

n26_Ant 13							
Site (MHz)	Measurement	File Size	File Count	Power (Ch. 1) (dBm)	Power (Ch. 2) (dBm)	Power (Ch. 3) (dBm)	Power (Ch. 4) (dBm)
20	Channel			84.5	84.5	84.5	
	Frequency (MHz)			19.82	19.87	19.98	
20	Power Spectral Density	84	1	19.81	19.87	19.98	21.0
20	Power Spectral Density	104	1	19.88	19.83	19.88	
	Frequency (MHz)			19.92	19.82	19.92	21.0
20	Power Spectral Density	96	26	19.78	19.87	19.92	21.0
20	Power Spectral Density	96	96	19.75	19.82	19.92	21.0
20	Power Spectral Density	104	96	19.75	19.82	19.92	21.0
20	OFDM	1	1	19.82	19.83	19.92	
	Frequency (MHz)			19.83	19.82	19.92	21.0
20	OFDM	1	104	19.82	19.88	19.88	
	Frequency (MHz)			19.85	19.87	19.92	21.0
20	OFDM	96	26	19.78	19.87	19.92	21.0
20	OFDM	96	96	19.77	19.84	19.92	21.0
20	OFDM	104	96	19.78	19.82	19.92	21.0
20	1024QAM	1	1	19.78	19.79	19.92	21.0
	Frequency (MHz)			19.77	19.78	19.92	21.0
20	1024QAM	1	1	19.74	19.46	19.44	20.0
	Frequency (MHz)			19.75	19.45	19.47	20.0
15	OFDM	1	1	19.84	19.89	19.97	24.0
	Frequency (MHz)			19.85	19.90	19.97	24.0
15	OFDM	1	1	19.88	19.92	19.92	24.0
	Frequency (MHz)			19.88	19.92	19.92	24.0
15	Channel			19.85	19.85	19.85	
	Frequency (MHz)			19.85	19.85	19.85	24.0
15	OFDM	1	1	19.82	19.94	19.92	24.0

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n66_Ant 1										
Seq ID	Mutation	Ref Seq	PS Offset	Conserved Ch. (A)	Conserved Matrix (A)	Conserved Matrix (G)	Position High (A)	Position High (G)	Time-skip bits (A)	APR (bits)
Chromatid										
40	PS-2 GATC	1	1	18.82	18.86	18.94				
40	PS-2 GATC	1	1	18.82	18.86	18.94			20.0	0.0
40	PS-2 GATC	1	214	18.86	18.90	18.98				
40	PS-2 GATC	1	214	18.86	18.90	18.98			20.0	0.0
40	PS-2 GATC	1	108	18.78	18.80	18.92				
40	PS-2 GATC	1	108	18.78	18.80	18.92			20.0	0.0
40	PS-2 GATC	1	108	18.78	18.80	18.92				
40	PS-2 GATC	1	108	18.78	18.80	18.92			20.0	0.0
40	QTRAC	1	1	18.82	18.86	18.94				
40	QTRAC	1	1	18.82	18.86	18.94			20.0	0.0
40	QTRAC	1	214	18.86	18.90	18.98				
40	QTRAC	1	214	18.86	18.90	18.98			20.0	0.0
40	QTRAC	1	108	18.78	18.80	18.92				
40	QTRAC	1	108	18.78	18.80	18.92			20.0	0.0
40	QTRAC	1	108	18.78	18.80	18.92				
40	QTRAC	1	108	18.78	18.80	18.92			20.0	0.0
40	HGMH	1	1	18.82	18.86	18.94				
40	HGMH	1	1	18.82	18.86	18.94			20.0	0.0
40	SHOGUN	1	1	18.78	18.80	18.94				
40	SHOGUN	1	1	18.78	18.80	18.94			20.0	0.0
Chromatid										
36	PS-2 GATC	1	1	18.80	18.84	18.94				
36	PS-2 GATC	1	1	18.80	18.84	18.94			20.0	0.0
36	QTRAC	1	1	18.80	18.84	18.94				
36	QTRAC	1	1	18.80	18.84	18.94			20.0	0.0
Frequency (MHz)										
36	PS-2 GATC	1	1	18.78	18.80	18.94				
36	PS-2 GATC	1	1	18.78	18.80	18.94			20.0	0.0
Frequency (MHz)										
36	PS-2 GATC	1	1	18.78	18.80	18.94				
36	PS-2 GATC	1	1	18.78	18.80	18.94			20.0	0.0
Chromatid										
30	PS-2 GATC	1	1	18.80	18.84	18.94				
30	PS-2 GATC	1	1	18.80	18.84	18.94			20.0	0.0
30	QTRAC	1	1	18.80	18.84	18.94				
30	QTRAC	1	1	18.80	18.84	18.94			20.0	0.0
Frequency (MHz)										
30	PS-2 GATC	1	1	18.78	18.80	18.94				
30	PS-2 GATC	1	1	18.78	18.80	18.94			20.0	0.0
Chromatid										
16	PS-2 GATC	1	1	18.80	18.84	18.94				
16	PS-2 GATC	1	1	18.80	18.84	18.94			20.0	0.0
16	QTRAC	1	1	18.80	18.84	18.94				
16	QTRAC	1	1	18.80	18.84	18.94			20.0	0.0
Frequency (MHz)										
16	PS-2 GATC	1	1	18.78	18.80	18.94				
16	PS-2 GATC	1	1	18.78	18.80	18.94			20.0	0.0
Chromatid										
5	PS-2 GATC	1	1	18.78	18.80	18.94				
5	PS-2 GATC	1	1	18.78	18.80	18.94			20.0	0.0

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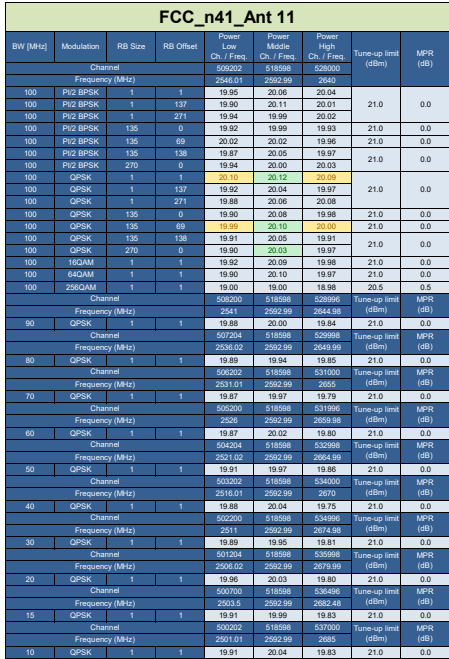
n66 Ant 31								
RFY (MHz)	Mutation	RFI Size	RFI Offset	Power Low Channel (dBm)	Power Mid Channel (dBm)	Power High Channel (dBm)	Turn-up time (sec)	MPR (%)
Channel								
Frequency (MHz)								
40	RFI BPSK	1	-1	23.11	23.14	23.09		
40	RFI BPSK	1	1	23.11	23.14	23.09	24.5	0.0
40	RFI BPSK	1	214	23.10	23.20	23.15		
40	RFI BPSK	108	1	22.70	22.71	22.62	24.0	0.0
40	RFI BPSK	108	1	23.18	23.19	23.13	24.5	0.0
40	RFI BPSK	108	226	22.69	22.70	22.65	24.0	0.5
40	RFI BPSK	108	226	23.18	23.19	23.13	24.5	0.0
40	QPSK	1	-1	23.25	23.41	23.34		
40	QPSK	1	1	23.25	23.41	23.34	24.5	0.0
40	QPSK	1	214	23.18	23.20	23.18		
40	QPSK	108	1	22.16	22.24	22.21	23.5	1.0
40	QPSK	108	1	23.18	23.19	23.13	24.5	0.0
40	QPSK	108	226	22.14	22.18	22.12	23.5	1.0
40	QPSK	108	226	23.18	23.19	23.13	24.5	0.0
40	QAM64	1	-1	22.16	22.20	22.18	23.5	1.0
40	QAM64	1	1	22.16	22.20	22.18	24.0	0.5
40	QAM64	1	214	22.16	22.20	22.18	23.5	1.0
40	QAM64	1	214	23.18	23.20	23.18	24.0	0.5
Channel								
Frequency (MHz)								
35	QPSK	1	-1	24.50	24.50	24.50	Turn-up time (sec)	MPR (%)
35	QPSK	1	1	23.17	23.30	23.21	24.5	0.0
Frequency (MHz)								
35	QPSK	1	1	23.17	23.30	23.21	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	-1	23.18	23.30	23.28	24.5	0.0
30	QPSK	1	1	23.18	23.30	23.28	24.5	0.0
Frequency (MHz)								
30	QPSK	1	1	23.18	23.30	23.28	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	-1	23.20	23.35	23.34	24.5	0.0
15	QPSK	1	1	23.20	23.35	23.34	24.5	0.0
Frequency (MHz)								
15	QPSK	1	1	23.15	23.41	23.28	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	-1	24.50	24.50	24.50	Turn-up time (sec)	MPR (%)
5	QPSK	1	1	19.23	19.46	19.34	24.5	0.0



n38_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	21.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	19.81	19.90	19.90	21.0	0.0	
40	PI2 BPSK	1	53	19.82	19.90	19.84			
40	PI2 BPSK	1	104	19.86	19.92	19.82	21.0	0.0	
40	PI2 BPSK	50	0	19.79	19.95	19.88			
40	PI2 BPSK	50	28	19.87	19.84	19.80	21.0	0.0	
40	PI2 BPSK	50	56	19.84	19.97	19.87	21.0	0.0	
40	PI2 BPSK	100	0	19.82	19.91	19.84	21.0	0.0	
40	QPSK	1	1	19.85	20.00	19.81			
40	QPSK	1	53	19.84	19.95	19.88	21.0	0.0	
40	QPSK	1	104	19.89	20.05	19.87	21.0	0.0	
40	QPSK	50	0	19.80	19.95	19.81			
40	QPSK	50	28	19.81	20.00	19.85	21.0	0.0	
40	QPSK	50	56	19.80	19.95	19.80	21.0	0.0	
40	QPSK	100	0	19.80	19.97	19.94	21.0	0.0	
40	16QAM	1	1	19.82	19.95	19.91			
40	64QAM	1	1	19.81	20.05	19.83	21.0	0.0	
40	256QAM	1	1	18.71	18.71	18.69	20.0	1.0	
Channel				517002	516000	520998	21.0	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	19.90	19.90	19.93	21.0	0.0	
Channel				516000	516000	522000	21.0	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	19.80	20.02	19.84	21.0	0.0	
Channel				515502	516000	522598	21.0	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.80	20.02	19.92	21.0	0.0	
Channel				515004	516000	522996	21.0	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.80	20.02	19.85	21.0	0.0	

n38_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	15.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	14.41	14.47	14.41	15.5	0.0	
40	PI2 BPSK	1	53	14.41	14.52	14.41			
40	PI2 BPSK	1	104	14.42	14.52	14.47	15.5	0.0	
40	PI2 BPSK	50	0	14.37	14.43	14.40			
40	PI2 BPSK	50	28	14.40	14.42	14.40	15.5	0.0	
40	PI2 BPSK	50	56	14.33	14.54	14.50	15.5	0.0	
40	PI2 BPSK	100	0	14.40	14.45	14.40			
40	QPSK	1	1	14.42	14.50	14.52	15.5	0.0	
40	QPSK	1	53	14.42	14.39	14.50			
40	QPSK	1	104	14.36	14.50	14.43	15.5	0.0	
40	QPSK	50	0	14.46	14.43	14.35			
40	QPSK	50	28	14.40	14.51	14.50	15.5	0.0	
40	QPSK	50	56	14.40	14.39	14.48	15.5	0.0	
40	QPSK	100	0	14.38	14.43	14.52			
40	16QAM	1	1	14.39	14.40	14.35	15.5	0.0	
40	64QAM	1	1	14.34	14.47	14.45			
40	256QAM	1	1	14.44	14.45	14.48	15.5	0.0	
Channel				517002	516000	520998	15.5	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	14.40	14.52	14.51	15.5	0.0	
Channel				516000	516000	522000	15.5	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	14.36	14.49	14.41	15.5	0.0	
Channel				515502	516000	522598	15.5	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	14.41	14.46	14.31	15.5	0.0	
Channel				515004	516000	522996	15.5	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	14.42	14.48	14.33	15.5	0.0	

n38_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.24	23.33	23.28	24.5	0.0	
40	PI2 BPSK	1	53	23.24	23.33	23.31			
40	PI2 BPSK	1	104	23.28	23.24	23.24	24.0	0.5	
40	PI2 BPSK	50	0	22.72	22.83	22.78			
40	PI2 BPSK	50	28	23.31	23.27	23.23	24.5	0.0	
40	PI2 BPSK	50	56	22.82	22.74	22.75	24.0	0.5	
40	PI2 BPSK	100	0	22.79	22.80	22.72			
40	QPSK	1	1	23.31	23.83	23.38	24.5	0.0	
40	QPSK	1	53	23.35	23.28	23.24			
40	QPSK	1	104	23.36	23.28	23.24	22.5	1.0	
40	QPSK	50	0	22.25	22.20	22.25			
40	QPSK	50	28	23.38	23.40	23.37	24.5	0.0	
40	QPSK	50	56	22.29	22.34	22.25	23.5	1.0	
40	QPSK	100	0	22.22	22.28	22.21			
40	16QAM	1	1	22.30	22.28	22.21	23.5	1.0	
40	64QAM	1	1	20.81	20.79	20.75	22.0	2.5	
40	256QAM	1	1	18.78	18.81	18.74	20.0	4.5	
Channel				517002	516000	520998	24.5	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	23.25	23.31	23.27	24.5	0.0	
Channel				516000	516000	522000	24.5	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	23.25	23.28	23.31	24.5	0.0	
Channel				515502	516000	522598	24.5	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.29	23.24	23.28	24.5	0.0	
Channel				515004	516000	522996	24.5	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.23	23.30	23.32	24.5	0.0	



FCC_n41_Ant13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 (Freq.)	Power Level Ch. 2 (Freq.)	Power Level Ch. 3 (Freq.)	Turn-up time (dBm)	MPR (dB)	
100	Channel			500020	500020	530000			
	Frequency (MHz)			2504.01	2502.99	2500.00			
	Channel			14.51	14.50	14.44			
	PV2 BPSK	1	1	14.51	14.52	14.44	15.5	0.0	
	Frequency (MHz)			14.48	14.53	14.44			
	Channel			14.44	14.50	14.42	15.5	0.0	
	PV2 BPSK	135	69	14.42	14.55	14.41	15.5	0.0	
	Frequency (MHz)			14.49	14.50	14.36	15.5	0.0	
	Channel			14.48	14.53	14.36			
	PV2 BPSK	270	0	14.45	14.50	14.35	15.5	0.0	
Frequency (MHz)			14.55	14.50					
100	Channel			14.41	14.53	14.45	15.5	0.0	
	QPSK	1	137	14.41	14.53	14.45	15.5	0.0	
	Frequency (MHz)			14.41	14.53	14.45	15.5	0.0	
	Channel			14.42	14.53	14.40	15.5	0.0	
	QPSK	1	271	14.44	14.45	14.43	15.5	0.0	
	Frequency (MHz)			14.42	14.53	14.40	15.5	0.0	
	Channel			14.45	14.53	14.40	15.5	0.0	
	QPSK	135	69	14.50	14.53	14.40	15.5	0.0	
	Frequency (MHz)			14.42	14.53	14.40	15.5	0.0	
	Channel			14.45	14.52	14.38	15.5	0.0	
100	Channel			14.39	14.50	14.38	15.5	0.0	
	QPSK	270	0	14.39	14.52	14.38	15.5	0.0	
	Frequency (MHz)			14.46	14.53	14.38			
	Channel			14.47	14.56	14.36	15.5	0.0	
	16QAM	1	1	14.43	14.47	14.45	15.5	0.0	
	Frequency (MHz)			14.43	14.47	14.45	15.5	0.0	
	Channel			500020	510000	530000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2504.01	2502.99	2500.00			
	Channel			14.44	14.54	14.46	15.5	0.0	
	Channel			507204	510000	529998	Turn-up time (dBm)	MPR (dB)	
80	Channel			2502.99	2502.99	2500.00			
	Frequency (MHz)			14.41	14.50	14.37	15.5	0.0	
	Channel			500020	510000	531000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2503.01	2502.99	2505			
	Channel			14.48	14.55	14.40	15.5	0.0	
	Channel			500020	510000	531000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2506	2502.99	2509.00			
	Channel			14.43	14.52	14.48	15.5	0.0	
	Channel			500020	510000	530000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2502.99	2502.99	2506.99			
50	Channel			14.50	14.53	14.48	15.5	0.0	
	QPSK	1	1	14.50	14.58	14.48	15.5	0.0	
	Frequency (MHz)			2502.102	2502.99	2506.99	Turn-up time (dBm)	MPR (dB)	
	Channel			2502.99	2502.99	2506.99			
	Channel			14.42	14.56	14.47	15.5	0.0	
	Channel			500020	510000	530000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2504.01	2502.99	2500.00			
	Channel			14.42	14.56	14.47	15.5	0.0	
	Channel			500200	510000	530000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2511	2502.99	2513.98			
40	Channel			14.49	14.53	14.41	15.5	0.0	
	Channel			901204	510000	530000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2506.02	2502.99	2519.99			
	Channel			14.50	14.53	14.44	15.5	0.0	
	Channel			500020	510000	530000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2505.5	2502.99	2506.48			
	Channel			14.40	14.56	14.37	15.5	0.0	
	Channel			500020	510000	537000	Turn-up time (dBm)	MPR (dB)	
	Frequency (MHz)			2503.01	2502.99	2505			
	Channel			14.46	14.48	14.37	15.5	0.0	

FCC_n41_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. Freq.	Power Level Ch. Freq.	Power Level Ch. Freq.	Turn-up time (dlim)	MPR (dB)	
100	Channel	Frequency (MHz)		506000	516988	526968			
	QPSK	1	1	23.76	23.77	23.77			
	PV2 BPSK	1	137	23.76	23.75	23.67	25.0	0.0	
	PV2 BPSK	1	231	23.76	23.71	23.69			
	QPSK	135	0	23.20	23.23	23.24	25.4	0.5	
	PV2 BPSK	135	69	23.74	23.77	23.67	25.0	0.0	
	PV2 BPSK	135	138	23.26	23.23	23.19	25.4	0.5	
	QPSK	270	0	23.23	23.21	23.24			
	QPSK	1	1	23.68	23.61	23.55			
	QPSK	1	137	23.72	23.76	23.72	25.0	0.0	
100	Channel	Frequency (MHz)		506000	516988	526968			
	QPSK	1	271	23.74	23.83	23.73			
	QPSK	135	0	22.69	22.76	22.71	24.9	1.0	
	QPSK	135	69	23.92	23.85	23.80			
	QPSK	135	138	22.74	22.70	22.70	24.9	1.0	
	QPSK	270	0	22.71	22.80	22.70			
	QPSK	1	1	22.70	22.74	22.74	24.9	1.0	
	QPSK	1	1	21.22	21.26	21.20	22.5	2.5	
	QPSK	1	1	18.26	18.25	19.25	20.0	4.5	
	Channel	Frequency (MHz)		506000	516988	526968			
80	Channel	Frequency (MHz)		506000	516988	526968			
	QPSK	1	1	23.70	23.71	23.67	25.0	0.0	
	Channel	Frequency (MHz)		507204	516988	526968			
	QPSK	1	1	23.69	23.68	23.75	25.0	0.0	
	Channel	Frequency (MHz)		506000	516988	531000			
	QPSK	1	1	23.71	23.69	23.65			
	Channel	Frequency (MHz)		506000	516988	531000			
	QPSK	1	1	23.71	23.71	23.70	25.0	0.0	
	Channel	Frequency (MHz)		506000	516988	531000			
	QPSK	1	1	23.66	23.69	23.69	25.0	0.0	
50	Channel	Frequency (MHz)		506000	516988	534000			
	QPSK	1	1	23.68	23.76	23.74	25.0	0.0	
	Channel	Frequency (MHz)		506000	516988	534000			
	QPSK	1	1	25.12	25.60	25.64	25.0	0.0	
	Channel	Frequency (MHz)		506000	516988	534000			
	QPSK	1	1	23.66	23.72	23.69	25.0	0.0	
	Channel	Frequency (MHz)		506000	516988	534000			
	QPSK	1	1	23.70	23.73	23.67	25.0	0.0	
	Channel	Frequency (MHz)		506000	516988	534996			
	QPSK	1	1	23.71	23.62	23.74	25.0	0.0	
30	Channel	Frequency (MHz)		506000	516988	536988			
	QPSK	1	1	23.71	23.69	23.67	25.0	0.0	
	Channel	Frequency (MHz)		501204	516988	536988			
	QPSK	1	1	23.67	23.62	23.66	25.0	0.0	
	Channel	Frequency (MHz)		501204	516988	536988			
QPSK	1	1	23.67	23.69	23.68	25.0	0.0		
15	Channel	Frequency (MHz)		506000	516988	537000			
	QPSK	1	1	23.71	23.69	23.68	25.0	0.0	
	Channel	Frequency (MHz)		506000	516988	537000			
	QPSK	1	1	23.71	23.71	23.69	25.0	0.0	
	Channel	Frequency (MHz)		506000	516988	537000			
QPSK	1	1	23.71	23.74	23.69	25.0	0.0		

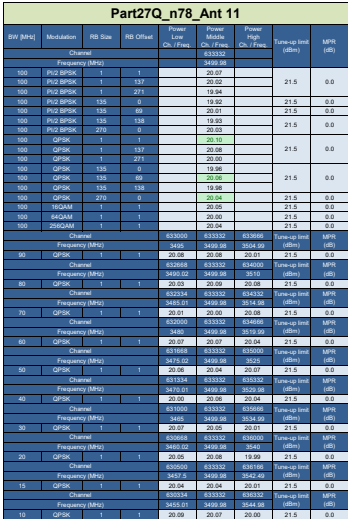
Part27Q_n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Minus Ch./F.Freq.	Power High Ch./F.Freq.	Turnup time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PI2 BPSK	1	1	20.21			21.5	0.0	
100	PI2 BPSK	1	137	20.23					
100	PI2 BPSK	1	271	20.30					
100	PI2 BPSK	135	5	20.28			21.5	0.0	
100	PI2 BPSK	135	89	20.24			21.5	0.0	
100	PI2 BPSK	135	138	20.17			21.5	0.0	
100	PI2 BPSK	270	5	20.18					
100	QPSK	1	1	20.29					
100	QPSK	1	137	20.31			21.5	0.0	
100	QPSK	1	271	20.35					
100	QPSK	135	5	20.30			21.5	0.0	
100	QPSK	135	89	20.33					
100	QPSK	135	138	20.26					
100	QPSK	270	5	20.22			21.5	0.0	
100	84QAM	1	1	20.27			21.5	0.0	
100	84QAM	1	1	13.12			15.5	2.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	20.32			21.5	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.34			21.5	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.35			21.5	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.37			21.5	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.38			21.5	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.39			21.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.39			21.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.37			20.30	21.5	0.0
Channel									
Frequency [MHz]									
15	QPSK	1	1	20.38			20.30	21.5	0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.35			20.37	21.5	0.0

Part27O_n77_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Minus Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PI2 BPSK	1	1	20.80	20.37	20.19			
100	PI2 BPSK	1	137	20.81	20.33	20.20	21.5	0.0	
100	PI2 BPSK	1	271	20.84	20.36	20.18			
100	PI2 BPSK	135	5	20.84	20.22	20.05	21.5	0.0	
100	PI2 BPSK	135	89	20.84	20.25	20.05	21.5	0.0	
100	PI2 BPSK	135	138	20.48	20.13	20.07	21.5	0.0	
100	PI2 BPSK	270	5	20.84	20.13	19.94			
100	QPSK	1	1	20.81	20.40	20.21			
100	QPSK	1	137	20.84	20.37	20.11	21.5	0.0	
100	QPSK	1	271	20.89	20.36	20.15			
100	QPSK	135	5	20.88	20.28	20.09			
100	QPSK	135	89	20.88	20.25	20.05	21.5	0.0	
100	QPSK	135	138	20.50	20.22	20.08			
100	QPSK	270	5	20.87	20.18	20.05	21.5	0.0	
100	84QAM	1	1	20.86	20.25	20.05	21.5	0.0	
100	84QAM	1	1	20.88	20.18	20.00	21.5	0.0	
100	84QAM	1	1	13.07	13.20	13.25	15.5	2.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	20.89	20.36	20.15	21.5	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.86	20.32	20.10	21.5	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.82	20.33	20.10	21.5	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.89	20.36	20.20	21.5	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.89	20.36	20.14	21.5	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.83	20.33	20.15	21.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.80	20.31	20.17	21.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.80	20.30	20.13	21.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	20.87	20.36	20.16	21.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.89	20.33	20.15	21.5	0.0	

Part27Q_n77_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Minus Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PI2 BPSK	1	1	13.87			14.5	0.0	
100	PI2 BPSK	1	139	13.88					
100	PI2 BPSK	1	273	13.91					
100	PI2 BPSK	135	5	13.87			14.5	0.0	
100	PI2 BPSK	135	89	13.92			14.5	0.0	
100	PI2 BPSK	135	138	13.88			14.5	0.0	
100	PI2 BPSK	270	5	13.90					
100	QPSK	1	1	13.90					
100	QPSK	1	139	13.90			14.5	0.0	
100	QPSK	1	273	13.94					
100	QPSK	135	5	13.90			14.5	0.0	
100	QPSK	135	89	13.92					
100	QPSK	135	138	13.91					
100	QPSK	270	5	13.92			14.5	0.0	
100	84QAM	1	1	13.90			14.5	0.0	
100	84QAM	1	1	13.90			14.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	13.95	13.95	13.95	13.90	14.5	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	13.96	13.96	13.96	13.94	14.5	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	13.87	13.87	13.87	13.94	14.5	0.0
Channel									
Frequency [MHz]									
60	QPSK	1	1	13.90	13.90	13.90	13.94	14.5	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	13.88	13.88	13.88	13.94	14.5	0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1	13.93	13.93	13.93	13.96	14.5	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	13.88	13.88	13.88	13.94	14.5	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	13.93	13.93	13.93	13.96	14.5	0.0
Channel									
Frequency [MHz]									
15	QPSK	1	1	13.93	13.93	13.93	13.96	14.5	0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	13.91	13.91	13.91	13.94	14.5	0.0

Part207_H77_Ant_21									
RF [MHz]	Modeset	RF Size	RF Offset	Probe Low Ch. Freq.	Probe High Ch. Freq.	Probe Start Freq.	Probe Stop Freq.	Power High Gain	Power Low Gain
100	RF	128	0	93.9332	93.9332	93.9332	93.9332		
100	RF	128	1	13.28	13.28				
100	RF	128	2	13.28	13.28			14.5	0.0
100	RF	128	3	13.28	13.28				
100	RF	128	4	13.28	13.28			14.5	0.0
100	RF	128	5	13.28	13.28				
100	RF	128	6	13.28	13.28			14.5	0.0
100	RF	128	7	13.28	13.28				
100	RF	128	8	13.28	13.28			14.5	0.0
100	RF	128	9	13.28	13.28				
100	RF	128	10	13.28	13.28			14.5	0.0
100	RF	128	11	13.28	13.28				
100	RF	128	12	13.28	13.28			14.5	0.0
100	RF	128	13	13.28	13.28				
100	RF	128	14	13.28	13.28			14.5	0.0
100	RF	128	15	13.28	13.28				
100	RF	128	16	13.28	13.28			14.5	0.0
100	RF	128	17	13.28	13.28				
100	RF	128	18	13.28	13.28			14.5	0.0
100	RF	128	19	13.28	13.28				
100	RF	128	20	13.28	13.28			14.5	0.0
100	RF	128	21	13.28	13.28				
100	RF	128	22	13.28	13.28			14.5	0.0
100	RF	128	23	13.28	13.28				
100	RF	128	24	13.28	13.28			14.5	0.0
100	RF	128	25	13.28	13.28				
100	RF	128	26	13.28	13.28			14.5	0.0
100	RF	128	27	13.28	13.28				
100	RF	128	28	13.28	13.28			14.5	0.0
100	RF	128	29	13.28	13.28				
100	RF	128	30	13.28	13.28			14.5	0.0
100	RF	128	31	13.28	13.28				
100	RF	128	32	13.28	13.28			14.5	0.0
100	RF	128	33	13.28	13.28				
100	RF	128	34	13.28	13.28			14.5	0.0
100	RF	128	35	13.28	13.28				
100	RF	128	36	13.28	13.28			14.5	0.0
100	RF	128	37	13.28	13.28				
100	RF	128	38	13.28	13.28			14.5	0.0
100	RF	128	39	13.28	13.28				
100	RF	128	40	13.28	13.28			14.5	0.0
100	RF	128	41	13.28	13.28				
100	RF	128	42	13.28	13.28			14.5	0.0
100	RF	128	43	13.28	13.28				
100	RF	128	44	13.28	13.28			14.5	0.0
100	RF	128	45	13.28	13.28				
100	RF	128	46	13.28	13.28			14.5	0.0
100	RF	128	47	13.28	13.28				
100	RF	128	48	13.28	13.28			14.5	0.0
100	RF	128	49	13.28	13.28				
100	RF	128	50	13.28	13.28			14.5	0.0
100	RF	128	51	13.28	13.28				
100	RF	128	52	13.28	13.28			14.5	0.0
100	RF	128	53	13.28	13.28				
100	RF	128	54	13.28	13.28			14.5	0.0
100	RF	128	55	13.28	13.28				
100	RF	128	56	13.28	13.28			14.5	0.0
100	RF	128	57	13.28	13.28				
100	RF	128	58	13.28	13.28			14.5	0.0
100	RF	128	59	13.28	13.28				
100	RF	128	60	13.28	13.28			14.5	0.0
100	RF	128	61	13.28	13.28				
100	RF	128	62	13.28	13.28			14.5	0.0
100	RF	128	63	13.28	13.28				
100	RF	128	64	13.28	13.28			14.5	0.0
100	RF	128	65	13.28	13.28				
100	RF	128	66	13.28	13.28			14.5	0.0
100	RF	128	67	13.28	13.28				
100	RF	128	68	13.28	13.28			14.5	0.0
100	RF	128	69	13.28	13.28				
100	RF	128	70	13.28	13.28			14.5	0.0
100	RF	128	71	13.28	13.28				
100	RF	128	72	13.28	13.28			14.5	0.0
100	RF	128	73	13.28	13.28				
100	RF	128	74	13.28	13.28			14.5	0.0
100	RF	128	75	13.28	13.28				
100	RF	128	76	13.28	13.28			14.5	0.0
100	RF	128	77	13.28	13.28				
100	RF	128	78	13.28	13.28			14.5	0.0
100	RF	128	79	13.28	13.28				
100	RF	128	80	13.28	13.28			14.5	0.0
100	RF	128	81	13.28	13.28				
100	RF	128	82	13.28	13.28			14.5	0.0
100	RF	128	83	13.28	13.28				
100	RF	128	84	13.28	13.28			14.5	0.0
100	RF	128	85	13.28	13.28				
100	RF	128	86	13.28	13.28			14.5	0.0
100	RF	128	87	13.28	13.28				
100	RF	128	88	13.28	13.28			14.5	0.0
100	RF	128	89	13.28	13.28				
100	RF	128	90	13.28	13.28			14.5	0.0
100	RF	128	91	13.28	13.28				
100	RF	128	92	13.28	13.28			14.5	0.0
100	RF	128	93	13.28	13.28				
100	RF	128	94	13.28	13.28			14.5	0.0
100	RF	128	95	13.28	13.28				
100	RF	128	96	13.28	13.28			14.5	0.0
100	RF	128	97	13.28	13.28				
100	RF	128	98	13.28	13.28			14.5	0.0
100	RF	128	99	13.28	13.28				
100	RF	128	100	13.28	13.28			14.5	0.0
100	RF	128	101	13.28	13.28				
100	RF	128	102	13.28	13.28			14.5	0.0
100	RF	128	103	13.28	13.28				
100	RF	128	104	13.28	13.28			14.5	0.0
100	RF	128	105	13.28	13.28				
100	RF	128	106	13.28	13.28			14.5	0.0
100	RF	128	107	13.28	13.28				
100	RF	128	108	13.28	13.28			14.5	0.0
100	RF	128	109	13.28	13.28				
100	RF	128	110	13.28	13.28			14.5	0.0
100	RF	128	111	13.28	13.28				
100	RF	128	112	13.28	13.28			14.5	0.0
100	RF	128	113	13.28	13.28				
100	RF	128	114	13.28	13.28			14.5	0.0
100	RF	128	115	13.28	13.28				
100	RF	128	116	13.28	13.28			14.5	0.0
100	RF	128	117	13.28	13.28				
100	RF	128	118	13.28	13.28			14.5	0.0
100	RF	128	119	13.28	13.28				
100	RF	128	120	13.28	13.28			14.5	0.0
100	RF	128	121	13.28	13.28				
100	RF	128	122	13.28	13.28			14.5	0.0
100	RF	128	123	13.28	13.28				
100	RF	128	124	13.28	13.28			14.5	0.0
100	RF	128	125	13.28	13.28				
100	RF	128	126	13.28	13.28			14.5	0.0
100	RF	128	127	13.28	13.28				
100	RF	128	128	13.28	13.28			14.5	0.0
100	RF	128	129	13.28	13.28				
100	RF	128	130	13.28	13.28			14.5	0.0
100	RF	128	131	13.28	13.28				
100	RF	128	132	13.28	13.28			14.5	0.0
100	RF	128	133	13.28	13.28				
100	RF	128	134	13.28	13.28			14.5	0.0
100	RF	128	135	13.28	13.28				
100	RF	128	136	13.28	13.28			14.5	0.0
100	RF	128	137	13.28	13.28				
100	RF	128	138	13.28	13.28			14.5	0.0
100	RF	128	139	13.28	13.28				
100	RF	128	140	13.28	13.28			14.5	0.0
100	RF	128	141	13.28	13.28				
100	RF	128	142	13.28	13.28			14.5	0.0
100	RF	128	143	13.28	13.28				
100	RF	128	144	13.28	13.28			14.5	0.0
100	RF	128	145	13.28	13.28				
100	RF	128	146	13.28	13.28			14.5	0.0
100	RF	128	147	13.28	13.28				
100	RF	128	148	13.28	13.28			14.5	0.0
100	RF	128	149	13.28	13.28				
100	RF	128	150	13.28	13.28			14.5	0.0
100	RF	128	151	13.28	13.28				
100	RF	128	152	13.28	13.28			14.5	0.0
100	RF	128	153	13.28	13.28				
100	RF	128	154	13.28	13.28			14.5	0.0
100	RF	128	155	13.28	13.28				
100	RF	128	156	13.28	13.28			14.5	0.0
100	RF	128	157	13.28	13.28				
100	RF	128	158	13.28	13.28			14.5	0.0
100	RF	128	159	13.28	13.28				
100	RF	128	160	13.28	13.28			14.5	0.0
100	RF	128	161	13.28	13.28				
100	RF	128	162	13.28	13.28			14.5	0.0
100	RF	128	163	13.28	13.28				
100	RF	128	164	13.28	13.28			14.5	0.0
100	RF	128	165	13.28	13.28	</			

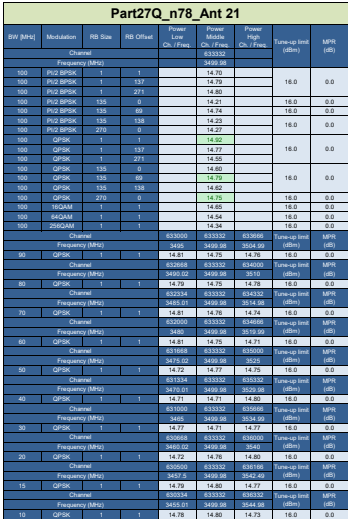
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Part270 n78 Ant 11						
RF (MHz)	Multiplex	RF Size	RF Offset	Power Min (dBm)	Power Max (dBm)	Power Txp (dBm)
Channel						
	Frequency (MHz)			960000	970000	
100	PL2 BRK1	1	1	20.11		
100	QPSK	1	1	19.7		21.5
100	QPSK	1	211	20.07		21.5
100	QPSK	135	0	20.09		21.5
100	PL2 BRK2	135	0	19.89		21.5
100	PL2 BRK3	135	135	19.89		21.5
100	QPSK	211	0	19.89		21.5
100	QPSK	1	1	20.14		21.5
100	QPSK	1	137	20.12		21.5
100	QPSK	137	0	20.12		21.5
100	QPSK	135	0	20.02		21.5
100	QPSK	135	135	20.04		21.5
100	QPSK	135	138	20.04		21.5
100	QPSK	211	0	19.99		21.5
100	QPSK	1	160	19.99		21.5
100	SADAM	1	1	19.98		21.5
100	SADAM	1	200	19.98		21.5
Channel						
	Frequency (MHz)			969688	969900	969352
90	QPSK	1	1	20.09		21.5
90	QPSK	1	1	20.09		21.5
Channel						
	Frequency (MHz)			969324	969500	969400
80	QPSK	1	1	20.12		21.5
80	QPSK	1	1	20.12		21.5
Channel						
	Frequency (MHz)			969000	969100	969050
70	QPSK	1	1	20.05		21.5
70	QPSK	1	1	20.05		21.5
Channel						
	Frequency (MHz)			971600	971700	971650
60	QPSK	1	1	20.06		21.5
60	QPSK	1	1	20.06		21.5
Channel						
	Frequency (MHz)			971200	971300	971250
50	QPSK	1	1	20.13		21.5
50	QPSK	1	1	20.13		21.5
Channel						
	Frequency (MHz)			969800	969900	969850
40	QPSK	1	1	20.12		21.5
40	QPSK	1	1	20.12		21.5
Channel						
	Frequency (MHz)			969488	969600	969544
30	QPSK	1	1	20.15		21.5
30	QPSK	1	1	20.15		21.5
Channel						
	Frequency (MHz)			971000	971100	971050
20	QPSK	1	1	20.13		21.5
20	QPSK	1	1	20.13		21.5
Channel						
	Frequency (MHz)			970700	970800	970750
10	QPSK	1	1	20.13		21.5
10	QPSK	1	1	20.13		21.5
Channel						
	Frequency (MHz)			969700	969800	969750
10	QPSK	1	1	20.13		21.5
10	QPSK	1	1	20.13		21.5

Part2Q7 n78 Ant 12								
EW (MHz)	Mitigation	PS Size	PS Offset	Power Low CU (dBm)	Power Max MU (dBm)	Power Max n78 (dBm)	Time-avg (dBm)	MPE (dB)
Channel								
	Frequency (MHz)			93.9332	94.9332			
100	QPSK BPSK 1	1	1	16.82				
100	QPSK BPSK 1	1	1	16.82			17.5	0.0
100	QPSK BPSK 1	2/11		16.82				
100	QPSK BPSK 135	0	0	16.82			17.5	0.0
100	QPSK BPSK 135	0	0	16.82			17.5	0.0
100	QPSK BPSK 135	135	135	16.82				
100	QPSK BPSK 270	0	0	16.82			17.5	0.0
100	QPSK BPSK 270	270	270	16.73				
100	QPSK BPSK 1	1	137	16.72			17.5	0.0
100	QPSK BPSK 1	1	211	16.72			17.5	0.0
100	QPSK BPSK 135	0	0	16.84				
100	QPSK BPSK 135	135	135	16.73			17.5	0.0
100	QPSK BPSK 135	135	168	16.61				
100	QPSK BPSK 270	0	0	16.52			17.5	0.0
100	QPSK BPSK 270	270	270	16.52			17.5	0.0
100	SSBQAM	1	1	16.62			17.5	0.0
100	SSBQAM	1	1	16.52			17.5	0.0
Channel								
	Frequency (MHz)			93.9000	93.9332	93.9666	Time-avg (dBm)	MPE (dB)
90	QPSK BPSK 1	1	1	16.73	16.82	16.91	17.5	0.0
Channel								
	Frequency (MHz)			93.9666	93.9332	93.9000	Time-avg (dBm)	MPE (dB)
90	QPSK BPSK 1	1	1	16.71	16.59	16.49	17.5	0.0
Channel								
	Frequency (MHz)			94.9000	93.9332	92.9666	Time-avg (dBm)	MPE (dB)
70	QPSK BPSK 1	1	1	16.68	16.75	16.87	17.5	0.0
70	QPSK BPSK 1	1	1	16.71	16.82	16.93	17.5	0.0
Channel								
	Frequency (MHz)			95.9332	94.9332	93.9332	Time-avg (dBm)	MPE (dB)
60	QPSK BPSK 1	1	1	16.54	16.49	16.43	17.5	0.0
60	QPSK BPSK 1	1	1	16.72	16.62	16.48	17.5	0.0
60	QPSK BPSK 1	1	1	16.73	16.62	16.51	17.5	0.0
Channel								
	Frequency (MHz)			97.9332	96.9332	95.9332	Time-avg (dBm)	MPE (dB)
50	QPSK BPSK 1	1	1	16.73	16.69	16.71	17.5	0.0
Channel								
	Frequency (MHz)			98.9332	97.9332	96.9332	Time-avg (dBm)	MPE (dB)
40	QPSK BPSK 1	1	1	16.67	16.69	16.68	17.5	0.0
Channel								
	Frequency (MHz)			99.9332	98.9332	97.9332	Time-avg (dBm)	MPE (dB)
30	QPSK BPSK 1	1	1	16.65	16.68	16.64	17.5	0.0
30	QPSK BPSK 1	1	1	16.73	16.70	16.72	17.5	0.0
30	QPSK BPSK 1	1	1	16.74	16.70	16.70	17.5	0.0
Channel								
	Frequency (MHz)			100.9332	99.9332	98.9332	Time-avg (dBm)	MPE (dB)
20	QPSK BPSK 1	1	1	16.68	16.65	16.76	17.5	0.0
20	QPSK BPSK 1	1	1	16.74	16.70	16.74	17.5	0.0
20	QPSK BPSK 1	1	1	16.74	16.70	16.74	17.5	0.0
Channel								
	Frequency (MHz)			101.9332	100.9332	99.9332	Time-avg (dBm)	MPE (dB)
10	QPSK BPSK 1	1	1	16.71	16.70	16.70	17.5	0.0

Part270_Nr_Ant 12								
RF (MHz)	Moderation	PB Size	PB Offset	Power Low CW (dBm)	Power Main 900000 (dBm)	Power High 900000 (dBm)	Time-up shift (dB)	MPF (dB)
Channel								
Frequency (MHz)								
150	QPSK	1	1	16.68				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.68				
150	QPSK	1	1	16.72				
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
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150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				
150	QPSK	1	1	16.68			17.5	0.0
150	QPSK	1	1317	16.64			17.5	0.0
150	QPSK	1	2111	16.68				
150	QPSK	135	0	16.68			17.5	0.0
150	QPSK	135	2111	16.68			17.5	0.0
150	QPSK	135	1365	16.68			17.5	0.0
150	QPSK	210	0	16.72				



Part270 n78 Ant 21							
RF [MHz]	Modulation	RF Size	RF Offset	Power [mWatt]	Power [dBm]	Power [dBm]	MPK [dB]
Channel							
	Frequency (MHz)			700000		700000	
100	RF BPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	RF BPSK	135	138	14.60			
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138	14.58		16.0	0.0
100	QPSK	270	271	14.58		16.0	0.0
100	QPSK	1	1	14.58			
100	QPSK	1	137	14.58		16.0	0.0
100	QPSK	1	271	14.58			
100	QPSK	135	0	14.58		16.0	0.0
100	QPSK	135	36	14.58		16.0	0.0
100	QPSK	135	138				

Part2Q7 n78 Ant 23									
EW (MHz)	Mitigation	PS BW	PS Offset	Power Low CU (dBm)	Power Mute (dBm)	n78 Pwr (dBm)	Turn-on latency (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
150	PSZ BPSK	1	1	20.68	19.63				
150	PSZ BPSK	1	1	20.68	19.63		21.5	0.0	
150	PSZ BPSK	1	2/11	20.78	19.78				
150	PSZ BPSK	135	6	20.68	19.63		21.5	0.0	
150	PSZ BPSK	135	6	20.68	19.63		21.5	0.0	
150	PSZ BPSK	135	1168	19.80	19.20		21.5	0.0	
150	QPSK	270	1	20.68	19.63				
150	QPSK	270	1	20.68	19.63		21.5	0.0	
150	QPSK	1	137	20.46	19.46		21.5	0.0	
150	QPSK	1	211	20.46	19.46		21.5	0.0	
150	QPSK	135	6	20.78	19.78				
150	QPSK	135	1168	20.29	19.29		21.5	0.0	
150	QPSK	270	2	20.39	19.39		21.5	0.0	
150	QPSK	270	2	20.39	19.39		21.5	0.0	
150	SSB4M	1	1	20.12	19.12		21.5	0.5	
150	SSB4M	1	1	18.12	16.12				
Channel									
Frequency (MHz)									
90	PSZ BPSK	1	1	20.63	19.63		Turn-on latency (ms)	MPE	
90	PSZ BPSK	1	1	20.63	19.63		21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.61	19.64	20.64	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.62	19.60	20.64	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.56	19.59	20.63	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.61	19.62	20.63	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.63	19.60	20.64	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.61	19.59	20.58	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.67	19.57	20.66	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.67	19.57	20.67	21.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	20.67	19.57	20.64	21.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	20.58	19.51	20.61	21.5	0.0	

[illegible]



Reduced Power Mode for DSI 4

n2_Ant 11									
RF B/W	Modulation	RF Size	RF Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turnup time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	21.79	-21.30	21.77	23.5	0.0	
20	PI2-BPSK	1	5	21.79	-21.80	21.72			
20	PI2-BPSK	1	104	21.78	-21.87	21.72			
20	PI2-BPSK	50	0	21.75	-21.77	21.71	23.5	0.0	
20	PI2-BPSK	50	25	21.81	-21.81	21.71	23.5	0.0	
20	PI2-BPSK	50	56	21.75	-21.88	21.77	23.5	0.0	
20	PI2-BPSK	100	0	21.71	-21.85	21.77			
20	QPSK	1	1	21.24	-21.02	21.21			
20	QPSK	1	5	21.76	-21.81	21.82	23.5	0.0	
20	QPSK	1	104	21.81	-21.88	21.76			
20	QPSK	50	0	21.80	-21.88	21.77	23.5	0.0	
20	QPSK	50	25	21.22	-21.02	21.25	23.5	0.0	
20	QPSK	50	56	21.79	-21.86	21.82	23.5	0.0	
20	QPSK	100	0	21.82	-21.87	21.85			
20	16QAM	1	1	21.75	-21.84	21.85	23.5	0.0	
20	16QAM	1	1	20.18	-20.22	20.12	22.0	1.5	
20	256QAM	1	1	19.30	-19.47	19.30	20.0	3.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.77	-21.84	21.84	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.75	-21.82	21.84	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.77	-21.91	21.83	23.5	0.0	

n2_Ant 13											
RF B/W	Modulation	RF Size	RF Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
20	PI2-BPSK	1	1	22.03	-22.00	22.00	24.5	0.0			
20	PI2-BPSK	1	5	22.79	-22.00	22.80					
20	PI2-BPSK	1	104	22.79	-22.83	22.82					
20	PI2-BPSK	50	0	22.26	-22.39	22.22	24.5	0.0			
20	PI2-BPSK	50	25	22.78	-22.79	22.72	24.5	0.0			
20	PI2-BPSK	50	56	22.19	-22.27	22.19	24.0	0.5			
20	PI2-BPSK	100	0	22.25	-22.32	22.29					
20	QPSK	1	1	23.03	-23.02	23.03					
20	QPSK	1	5	22.86	-22.88	22.87	24.5	0.0			
20	QPSK	1	104	22.84	-22.85	22.77					
20	QPSK	50	0	21.72	-21.78	21.72	23.5	1.0			
20	QPSK	50	25	22.23	-22.24	22.23	24.5	1.0			
20	QPSK	50	56	21.84	-21.72	21.87	23.5	1.0			
20	QPSK	100	0	21.88	-21.71	21.88	23.5	1.0			
20	16QAM	1	1	21.85	-21.85	21.86	23.5	1.0			
20	16QAM	1	1	20.40	-20.44	20.39	22.0	2.5			
20	256QAM	1	1	19.34	-19.42	19.41	20.0	4.5			
Channel											
Frequency (MHz)											
15	QPSK	1	1	180.5	180.5	180.5					
15	QPSK	1	1	22.06	-22.09	22.06	24.5	0.0			
10	QPSK	1	1	22.97	-22.98	22.99	24.5	0.0			
10	QPSK	1	1	16.5	16.5	16.5					
10	QPSK	1	1	22.97	-22.98	22.99	24.5	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	22.93	-22.96	22.95	24.5	0.0			

n5_Ant 13									
RF B/W	Modulation	RF Size	RF Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	23.81	-23.77	23.82	25.0	0.0	
20	PI2-BPSK	1	5	23.54	-23.81	23.57			
20	PI2-BPSK	1	104	23.45	-23.48	23.47			
20	PI2-BPSK	50	0	23.07	-23.19	23.10	24.5	0.5	
20	PI2-BPSK	50	25	23.51	-23.50	23.50	23.5	0.0	
20	PI2-BPSK	50	56	22.98	-23.07	23.02	24.5	0.5	
20	PI2-BPSK	100	0	23.12	-23.15	23.13			
20	QPSK	1	1	23.82	-23.82	23.77			
20	QPSK	1	5	23.57	-23.80	23.50	25.0	0.0	
20	QPSK	1	104	23.44	-23.48	23.38			
20	QPSK	50	0	22.85	-22.89	22.85	24.0	1.0	
20	QPSK	50	25	23.76	-23.60	23.75	25.0	1.0	
20	QPSK	50	56	22.42	-22.50	22.43	24.0	1.0	
20	QPSK	100	0	22.54	-22.58	22.48			
20	16QAM	1	1	22.75	-22.81	22.81	24.0	1.0	
20	16QAM	1	1	21.41	-21.45	21.42	22.5	2.5	
20	256QAM	1	1	19.31	-19.32	19.31	20.0	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.78	-23.82	23.75	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.78	-23.77	23.81	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.72	-23.82	23.86	25.0	0.0	

n5_Ant 31											
RF B/W	Modulation	RF Size	RF Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
20	PI2-BPSK	1	1	23.43	-23.49	23.48	25.0	0.0			
20	PI2-BPSK	1	5	23.43	-23.48	23.37					
20	PI2-BPSK	1	104	23.15	-23.21	23.19					
20	PI2-BPSK	50	0	22.78	-22.87	22.78	24.5	0.5			
20	PI2-BPSK	50	25	23.31	-23.34	23.32	23.5	0.0			
20	PI2-BPSK	50	56	22.71	-22.75	22.70	24.5	0.5			
20	PI2-BPSK	100	0	23.75	-22.85	22.78					
20	QPSK	1	1	23.12	-23.07	23.04					
20	QPSK	1	5	23.48	-23.42	23.32	25.0	0.0			
20	QPSK	1	104	23.18	-23.25	23.17					
20	QPSK	50	0	22.29	-22.59	22.29	24.0	1.0			
20	QPSK	50	25	23.13	-23.14	23.13	25.0	0.0			
20	QPSK	50	56	22.08	-22.19	22.17	24.0	1.0			
20	QPSK	100	0	22.24	-22.25	22.25					
20	16QAM	1	1	22.58	-22.55	22.55	24.0	1.0			
20	16QAM	1	1	21.02	-21.10	21.03	22.5	2.5			
20	256QAM	1	1	19.44	-19.15	19.08	20.0	4.5			
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.13	-23.12	23.13	25.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.43	-23.53	23.47	25.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	23.41	-23.52	23.39	25.0	0.0			

n7_Ant 11									
RF [MHz]	Modulation	RF Size	RF Offset	Power Line Ch./F.Freq. [dBm]	Power Main Ch./F.Freq. [dBm]	Power Top Ch./F.Freq. [dBm]	Time-up time (min)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PIC-BPSK	1	1	22.50	22.52	22.41	24.0	0.0	0.0
40	PIC-BPSK	1	104	22.45	22.54	22.53			
40	PIC-BPSK	1	214	22.35	22.48	22.42			
40	PIC-BPSK	104	0	22.50	22.52	21.95			
40	PIC-BPSK	104	54	22.39	22.49	22.30			
40	PIC-BPSK	104	104	21.79	21.89	21.76	23.5	0.5	0.5
40	QPSK	1	1	22.52	22.52	22.54	24.0	0.0	0.0
40	QPSK	1	104	22.58	22.58	22.51	24.0	0.0	0.0
40	QPSK	1	214	22.45	22.42	22.53	23.0	1.0	1.0
40	QPSK	104	0	21.91	21.38	21.34	23.0	1.0	1.0
40	QPSK	104	54	22.25	22.41	21.79	24.0	0.0	0.0
40	QPSK	104	104	21.28	21.38	21.39	23.0	1.0	1.0
40	QPSK	214	0	21.52	21.59	21.50	23.0	1.0	1.0
40	ISGSM	1	1	21.59	21.63	21.62	23.0	1.0	1.0
40	ISGSM	1	1	20.17	20.22	20.14	21.5	2.5	2.5
40	ISGSM	1	1	18.13	18.13	18.05	18.5	18.5	4.5
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.58	22.54	22.57	24.0	0.0	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.57	22.54	22.59	24.0	0.0	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.52	22.57	22.62	24.0	0.0	0.0
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.55	22.60	22.65	24.0	0.0	0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.58	22.59	22.57	24.0	0.0	0.0
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.53	22.63	22.63	24.0	0.0	0.0

n7_Ant 13									
RF [MHz]	Modulation	RF Size	RF Offset	Power Line Ch./F.Freq. [dBm]	Power Main Ch./F.Freq. [dBm]	Power Top Ch./F.Freq. [dBm]	Time-up time (min)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PIC-BPSK	1	1	19.97	20.02	20.03	21.0	0.0	
40	PIC-BPSK	1	104	19.90	19.96	20.00	21.0	0.0	
40	PIC-BPSK	1	214	19.91	19.99	19.93	21.0	0.0	
40	PIC-BPSK	104	0	19.95	19.95	19.92	21.0	0.0	
40	PIC-BPSK	104	54	19.89	19.96	19.95	21.0	0.0	
40	PIC-BPSK	104	104	19.89	19.84	19.77	21.0	0.0	
40	PIC-BPSK	214	0	19.76	19.90	19.89	21.0	0.0	
40	QPSK	1	1	20.02	20.11	20.04	21.0	0.0	
40	QPSK	1	104	19.97	20.07	20.02	21.0	0.0	
40	QPSK	1	214	19.99	20.06	20.02	21.0	0.0	
40	QPSK	104	0	19.97	19.91	19.92	21.0	0.0	
40	QPSK	104	54	20.02	20.02	20.01	21.0	0.0	
40	QPSK	104	104	19.92	19.92	19.87	21.0	0.0	
40	QPSK	214	0	19.87	19.96	19.90	21.0	0.0	
40	ISGSM	1	1	19.87	19.91	19.95	21.0	0.0	
40	ISGSM	1	1	19.90	19.96	19.94	21.0	0.0	
40	ISGSM	1	1	18.36	18.40	18.38	19.5	1.5	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.97	19.95	19.98	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.98	19.95	19.97	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.97	19.91	19.91	21.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	19.91	19.93	19.93	21.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	19.91	19.90	19.79	21.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	19.89	19.98	19.92	21.0	0.0	

n7_Ant 31									
RF [MHz]	Modulation	RF Size	RF Offset	Power Line Ch./F.Freq. [dBm]	Power Main Ch./F.Freq. [dBm]	Power Top Ch./F.Freq. [dBm]	Time-up time (min)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PIC-BPSK	1	1	21.58	21.61	21.58	23.0	0.0	
40	PIC-BPSK	1	104	21.53	21.59	21.48	23.0	0.0	
40	PIC-BPSK	1	214	21.45	21.49	21.54	23.0	0.0	
40	PIC-BPSK	104	0	21.39	21.46	21.38	23.0	0.0	
40	PIC-BPSK	104	54	21.42	21.53	21.48	23.0	0.0	
40	PIC-BPSK	104	104	21.29	21.40	21.47	23.0	0.0	
40	PIC-BPSK	214	0	21.41	21.45	21.35	23.0	0.0	
40	QPSK	1	1	21.61	21.65	21.61	23.0	0.0	
40	QPSK	1	104	21.58	21.63	21.58	23.0	0.0	
40	QPSK	1	214	21.50	21.55	21.58	23.0	0.0	
40	QPSK	104	0	21.43	21.60	21.44	23.0	0.0	
40	QPSK	104	54	21.61	21.64	21.61	23.0	0.0	
40	QPSK	104	104	21.38	21.53	21.51	23.0	0.0	
40	QPSK	214	0	21.43	21.58	21.46	23.0	0.0	
40	ISGSM	1	1	21.48	21.53	21.43	23.0	0.0	
40	ISGSM	1	1	19.98	19.94	19.97	21.5	1.5	
40	ISGSM	1	1	17.84	17.92	17.84	16.5	3.5	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.53	21.53	21.56	23.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.58	21.59	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.49	21.54	21.54	23.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.54	21.61	21.59	23.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.51	21.53	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	21.50	21.64	21.54	23.0	0.0	

n26_Ant 13									
RF [MHz]	Modulation	RF Size	RF Offset	Power Line Ch./F.Freq. [dBm]	Power Main Ch./F.Freq. [dBm]	Power Top Ch./F.Freq. [dBm]	Time-up time (min)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PIC-BPSK	1	1	24.03	24.04	23.94	25.0	0.0	
20	PIC-BPSK	1	80	23.94	23.97	23.91	25.0	0.0	
20	PIC-BPSK	1	104	23.95	23.96	23.91	25.0	0.0	
20	PIC-BPSK	80	0	23.99	24.01	23.98	24.5	0.5	
20	PIC-BPSK	80	80	23.94	23.94	23.97	24.5	0.5	
20	PIC-BPSK	104	0	23.97	23.95	23.98	24.5	0.5	
20	PIC-BPSK	1	80	23.97	23.98	23.91	25.0	0.0	
20	PIC-BPSK	104	80	23.95	23.95	23.98	24.5	0.5	
20	PIC-BPSK	80	104	23.95	23.91	23.93	24.5	1.0	
20	PIC-BPSK	80	288	23.95	23.95	23.98	24.5	1.0	
20	PIC-BPSK	288	0	23.91	23.95	23.95	24.5	1.0	
20	PIC-BPSK	104	0	23.96	23.95	23.95	24.5	1.0	
20	PIC-BPSK	1	1	23.95	23.95	23.95	24.5	1.0	
20	SSB400	1	1	23.95	23.95	23.92	25.0	2.5	
20	SSB400	1	1	19.54	19.59	19.33	20.5	4.5	
Frequency [MHz]				821.5	821.5	821.5	(diff)		
15	CP-BPSK	1	1	23.96	23.99	23.98	25.0	0.0	
15	CP-BPSK	1	80	23.91	23.91	23.98	25.0	0.0	
15	CP-BPSK	1	104	23.91	23.91	23.98	25.0	0.0	
15	CP-BPSK	80	0	23.98	24.00	23.94	25.0	0.0	
15	CP-BPSK	80	80	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	104	0	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	1	80	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	104	80	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	0	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	80	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	104	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK	288	288	23.98	23.98	23.98	25.0	0.0	
15	CP-BPSK								

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BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. dBm	Power Mdn Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Time-up Int. (min)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PUSC BPSK	1	1	23.75	23.78	23.87	25.0	0.0	
30	PUSC BPSK	1	53	23.83	23.85	23.90	25.0	0.0	
30	PUSC BPSK	1	104	23.95	23.94	23.93	25.0	0.0	
30	PUSC BPSK	50	5	23.97	23.99	23.96	24.5	0.5	
30	PUSC BPSK	50	25	23.98	23.99	23.98	25.0	0.0	
30	PUSC BPSK	50	56	23.94	23.95	23.96	24.5	0.5	
30	PUSC BPSK	100	5	23.98	23.99	23.97	25.0	0.0	
30	QPSK	1	1	23.75	23.82	23.77	25.0	0.0	
30	QPSK	1	53	23.88	23.71	23.62	25.0	0.0	
30	QPSK	1	104	23.98	23.88	23.92	25.0	0.0	
30	QPSK	50	5	22.96	22.87	22.84	24.0	1.0	
30	QPSK	50	25	23.98	23.98	23.98	25.0	0.0	
30	QPSK	50	56	22.89	22.72	22.68	24.0	1.0	
30	QPSK	100	5	22.98	22.89	22.90	25.0	0.0	
30	16QAM	1	1	22.70	22.81	22.80	24.0	1.0	
30	16QAM	1	1	21.29	21.40	21.39	22.5	2.5	
30	256QAM	1	1	18.24	18.32	18.29	20.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	100	1	23.87	23.81	23.74	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	100	1	23.78	23.78	23.67	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	100	1	23.71	23.72	23.71	25.0	0.0	

n66_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. dBm	Power Mdn Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Time-up Int. (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	22.94	22.94	22.99	24.0	0.0	
40	PUSC BPSK	1	168	22.81	22.95	22.98	24.0	0.0	
40	PUSC BPSK	1	214	22.83	23.05	22.89	24.0	0.0	
40	PUSC BPSK	100	5	22.94	23.02	22.97	24.0	0.0	
40	PUSC BPSK	100	54	22.98	22.98	22.97	24.0	0.0	
40	PUSC BPSK	100	108	22.82	22.81	22.80	24.0	0.0	
40	PUSC BPSK	214	5	22.81	23.01	22.90	24.0	0.0	
40	QPSK	1	1	22.82	22.92	22.81	24.0	0.0	
40	QPSK	1	108	22.92	23.01	22.97	24.0	0.0	
40	QPSK	1	214	22.91	23.04	23.00	24.0	0.0	
40	QPSK	100	5	22.25	22.28	22.30	23.5	0.5	
40	QPSK	100	54	22.98	22.98	22.98	24.0	0.0	
40	QPSK	100	108	22.81	22.80	22.80	23.5	0.5	
40	QPSK	214	5	22.80	22.97	22.97	23.5	0.5	
40	16QAM	1	1	22.28	22.31	22.30	23.5	0.5	
40	256QAM	1	1	18.90	19.08	19.08	20.0	4.0	
Channel									
Frequency (MHz)									
35	QPSK	100	1	22.80	22.80	22.80	24.0	0.0	
30	QPSK	100	1	22.90	22.89	23.00	24.0	0.0	
25	QPSK	100	1	22.98	23.03	23.00	24.0	0.0	
20	QPSK	100	1	22.94	23.03	22.90	24.0	0.0	
15	QPSK	100	1	22.85	23.00	22.79	24.0	0.0	
10	QPSK	100	1	22.88	22.88	22.97	24.0	0.0	
5	QPSK	100	1	22.88	22.96	23.00	24.0	0.0	

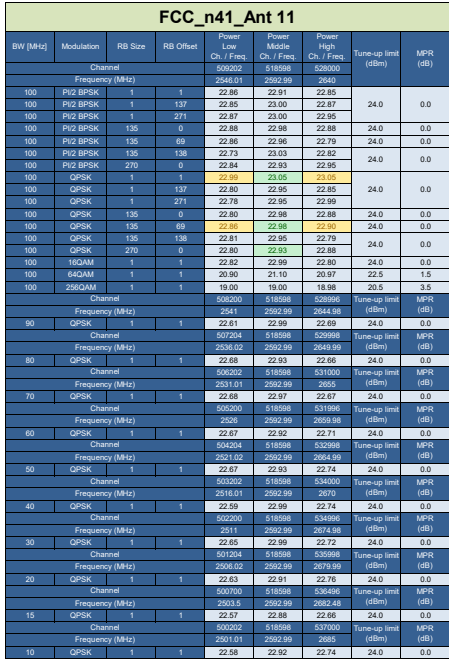
n66_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. dBm	Power Mdn Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Time-up Int. (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	23.25	23.26	23.30	24.5	0.0	
40	PUSC BPSK	1	168	23.30	23.42	23.30	24.5	0.0	
40	PUSC BPSK	1	214	23.38	23.41	23.37	24.5	0.0	
40	PUSC BPSK	100	5	23.30	23.40	23.38	24.0	0.5	
40	PUSC BPSK	100	54	23.35	23.40	23.39	24.5	0.0	
40	PUSC BPSK	100	108	22.81	22.80	22.83	24.0	0.5	
40	PUSC BPSK	214	5	22.70	22.89	22.86	24.0	0.5	
40	QPSK	1	1	23.25	23.33	23.31	24.5	0.0	
40	QPSK	1	108	23.43	23.46	23.40	24.5	0.0	
40	QPSK	1	214	23.38	23.44	23.34	24.5	0.0	
40	QPSK	100	5	22.32	22.37	22.37	23.5	1.0	
40	QPSK	100	54	23.40	23.40	23.40	24.5	0.0	
40	QPSK	100	108	22.38	22.42	22.30	23.5	1.0	
40	QPSK	214	5	22.27	22.26	22.23	23.5	1.0	
40	16QAM	1	1	22.40	22.40	22.30	23.5	1.0	
40	16QAM	1	1	21.05	21.09	21.04	22.0	2.0	
40	256QAM	1	1	19.00	19.14	19.04	20.0	4.0	
Channel									
Frequency (MHz)									
35	QPSK	100	1	23.40	23.44	23.40	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	100	1	23.38	23.49	23.40	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	100	1	23.34	23.40	23.46	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	100	1	23.30	23.46	23.41	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	100	1	23.25	23.46	23.23	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	100	1	23.10	23.44	23.48	24.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	100	1	23.38	23.40	23.50	24.5	0.0	

n66_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. dBm	Power Mdn Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Time-up Int. (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	23.83	23.71	23.74	22.0	0.0	
40	PUSC BPSK	1	168	23.52	23.70	23.70	22.0	0.0	
40	PUSC BPSK	1	214	23.60	23.62	23.61	22.0	0.0	
40	PUSC BPSK	100	5	23.84	23.81	23.81	22.0	0.0	
40	PUSC BPSK	100	54	23.58	23.70	23.62	22.0	0.0	
40	PUSC BPSK	100	108	23.57	23.70	23.58	22.0	0.0	
Channel									
40	QPSK	1	1	23.71	23.62	23.65	22.0	0.0	
40	QPSK	1	168	23.54	23.73	23.73	22.0	0.0	
40	QPSK	1	214	23.63	23.71	23.69	22.0	0.0	
40	QPSK	100	5	23.80	23.76	23.76	22.0	0.0	
40	QPSK	100	54	23.56	23.70	23.64	22.0	0.0	
40	QPSK	100	108	23.64	23.77	23.68	22.0	0.0	
40	QPSK	100	162	23.57	23.70	23.62	22.0	0.0	
40	HS444M	1	1	23.57	23.68	23.65	22.0	0.0	
40	HS444M	1	168	23.57	23.68	23.65	22.0	0.0	
40	HS444M	1	214	23.60	23.61	23.61	22.0	0.0	
40	HS444M	1	168	23.50	23.61	23.61	22.0	0.0	
Channel									
40	QPSK	1	1	24.00	24.00	24.00	22.0	MPR	
40	QPSK	1	168	23.74	23.74	23.74	22.0	MPR	
40	QPSK	1	214	23.86	23.78	23.79	22.0	0.0	
40	QPSK	100	5	24.00	24.00	24.00	22.0	MPR	
40	QPSK	100	54	24.00	24.00	24.00	22.0	MPR	
40	QPSK	100	108	24.00	24.00	24.00	22.0	MPR	
40	QPSK	100	162	24.00	24.00	24.00	22.0	MPR	
40	QPSK	1	1	23.82	23.81	23.80	22.0	0.0	
40	QPSK	1	168	23.75	23.76	23.76	22.0	0.0	
40	QPSK	1	214	23.77	23.76	23.76	22.0	0.0	
40	QPSK	100	5	23.89	23.78	23.79	22.0	0.0	
40	QPSK	100	54	23.80	23.79	23.79	22.0	0.0	
40	QPSK	100	108	23.81	23.74	23.75	22.0	0.0	
40	QPSK	100	162	23.80	23.80	23.80	22.0	0.0	
40	QPSK	1	1	23.73	23.74	23.77	22.0	0.0	
40	QPSK	1	168	23.73	23.74	23.77	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	5	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	54	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	108	23.74	23.74	23.74	22.0	0.0	
40	QPSK	100	162	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	1	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	168	23.74	23.74	23.74	22.0	0.0	
40	QPSK	1	214	23.74	23.74	23.74	22.0		

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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				516004	516000	516996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.12	23.24	23.20	24.5	0.0	
40	PI2 BPSK	1	53	23.17	23.16	23.16			
40	PI2 BPSK	1	104	23.16	23.25	23.19	24.0	0.5	
40	PI2 BPSK	50	0	22.86	22.75	22.68			
40	PI2 BPSK	50	28	23.14	23.16	23.15	24.5	0.0	
40	PI2 BPSK	50	56	22.68	22.74	22.61	24.0	0.5	
40	PI2 BPSK	100	0	22.70	22.67	22.69			
40	QPSK	1	1	23.32	23.32	23.32	24.5	0.0	
40	QPSK	1	53	23.15	23.24	23.17			
40	QPSK	1	104	23.25	23.24	23.24	23.5	1.0	
40	QPSK	50	0	22.13	22.24	22.15			
40	QPSK	50	28	23.30	23.30	23.29	24.5	0.0	
40	QPSK	50	56	22.23	22.22	22.15			
40	QPSK	100	0	22.23	22.25	22.16	23.5	1.0	
40	16QAM	1	1	22.17	22.23	22.19			
40	64QAM	1	1	20.65	20.67	20.65	22.0	2.5	
40	256QAM	1	1	18.71	18.71	18.69			
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	23.16	23.23	23.10	24.5	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	23.19	23.16	23.18	24.5	0.0	
Channel				515504	516000	522506	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.13	23.23	23.15	24.5	0.0	
Channel				515004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.49	2594	2614.98			
10	QPSK	1	1	23.18	23.20	23.19	24.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	20.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	19.47	19.53	19.51	20.5	0.0	
40	PI2 BPSK	1	53	19.47	19.48	19.48			
40	PI2 BPSK	1	104	19.47	19.51	19.43	20.5	0.0	
40	PI2 BPSK	50	0	19.53	19.47	19.45			
40	PI2 BPSK	50	28	19.52	19.55	19.46	20.5	0.0	
40	PI2 BPSK	50	56	19.50	19.44	19.43			
40	PI2 BPSK	100	0	19.48	19.52	19.42	20.5	0.0	
40	QPSK	1	1	19.57	19.50	19.55			
40	QPSK	1	53	19.50	19.48	19.44	20.5	0.0	
40	QPSK	1	104	19.47	19.44	19.50			
40	QPSK	50	0	19.50	19.50	19.47	20.5	0.0	
40	QPSK	50	28	19.52	19.55	19.46			
40	QPSK	50	56	19.50	19.50	19.47	20.5	0.0	
40	QPSK	100	0	19.42	19.47	19.42			
40	16QAM	1	1	18.47	18.45	18.42	20.5	0.0	
40	64QAM	1	1	19.50	19.51	19.49			
40	256QAM	1	1	19.52	19.54	19.44	20.0	0.5	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.41	19.52	19.41		20.5	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	19.41	19.54	19.42	20.5	0.0	
Channel				515504	516000	522506	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.42	19.53	19.45	20.5	0.0	
Channel				515004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.49	2594	2614.98			
10	QPSK	1	1	19.48	19.53	19.42	20.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.83	22.96	22.82	24.0	0.0	
40	PI2 BPSK	1	53	22.86	22.86	22.85			
40	PI2 BPSK	1	104	22.93	22.90	22.88	24.0	0.0	
40	PI2 BPSK	50	0	22.92	22.93	22.91			
40	PI2 BPSK	50	28	22.90	22.95	22.78	24.0	0.0	
40	PI2 BPSK	50	56	22.87	22.86	22.88			
40	PI2 BPSK	100	0	22.93	22.94	22.93	24.0	0.0	
40	QPSK	1	1	23.38	23.30	23.34			
40	QPSK	1	53	22.91	22.90	22.90	24.0	0.0	
40	QPSK	1	104	22.92	22.96	22.89			
40	QPSK	50	0	22.25	22.20	22.25	23.5	0.5	
40	QPSK	50	28	22.85	22.87	22.81			
40	QPSK	50	56	22.29	22.34	22.25	23.5	0.5	
40	QPSK	100	0	22.22	22.28	22.21			
40	16QAM	1	1	22.30	22.28	22.21	23.5	0.5	
40	64QAM	1	1	20.81	20.78	20.75			
40	256QAM	1	1	18.78	18.81	18.74	20.0	4.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.92	22.94	22.90		24.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	22.86	22.94	22.84	24.0	0.0	
Channel				515504	516000	522506	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.82	22.96	22.81	24.0	0.0	
Channel				515004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.49	2594	2614.98			
10	QPSK	1	1	22.89	22.87	22.79	24.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Med. Ch. Freq.	Power Low Ch. Freq.	Power High Med. Ch. Freq.	Turn-up time (s/min)	MPR (dB)
	Channel			5050202	5050202	5050202	5050202		
	Frequency (MHz)			2560.00	2560.00	2560.00	2560.00		
100	P2/2 BPSK	1	1	19.51	19.59	19.41	19.41		
	Channel			5050202	5050202	5050202	5050202		
100	P2/2 BPSK	1	137	19.51	19.51	19.46	19.46	20.5	0.0
	Channel			5050202	5050202	5050202	5050202		
100	P2/2 BPSK	135	0	19.52	19.59	19.41	19.41		
	Channel			5050202	5050202	5050202	5050202		
100	P2/2 BPSK	135	69	19.48	19.49	19.49	19.49	20.5	0.0
	Channel			5050202	5050202	5050202	5050202		
100	P2/2 BPSK	135	136	19.51	19.50	19.49	19.49	20.5	0.0
	Channel			5050202	5050202	5050202	5050202		
100	P2/2 BPSK	270	0	19.46	19.51	19.43	19.43		
	Channel			5050202	5050202	5050202	5050202		
100	QPSK	1	1	19.46	19.63	19.55	19.55		
	Channel			5050202	5050202	5050202	5050202		
100	QPSK	1	137	19.48	19.49	19.43	19.43	20.5	0.0
	Channel			5050202	5050202	5050202	5050202		
100	QPSK	1	271	19.46	19.55	19.51	19.51		
	Channel			5050202	5050202	5050202	5050202		
100	QPSK	135	0	19.48	19.47	19.48	19.48	20.5	0.0
	Channel			5050202	5050202	5050202	5050202		
100	QPSK	135	69	19.55	19.56	19.50	19.50	20.5	0.0
	Channel			5050202	5050202	5050202	5050202		
100	QPSK	135	136	19.50	19.55	19.39	19.39	20.5	0.0
	Channel			5050202	5050202	5050202	5050202		
100	QPSK	270	0	19.44	19.54	19.47	19.47	20.5	0.0
	Channel			5050202	5050202	5050202	5050202		
100	16QAM	1	1	19.44	19.52	19.41	19.41		
	Channel			5050202	5050202	5050202	5050202		
100	64QAM	1	1	19.42	19.55	19.42	19.42		
	Channel			5050202	5050202	5050202	5050202		
100	256QAM	1	1	19.49	19.56	19.39	19.39	20.5	0.0
	Channel			5050202	516588	530988	530988	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2560.00	2562.00	2562.00	2563.00		
90	QPSK	1	1	19.43	19.53	19.41	19.41	20.5	0.0
	Channel			5072024	516588	529988	529988	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2560.00	2562.00	2562.00	2563.00		
80	QPSK	1	1	19.45	19.53	19.41	19.41	20.5	0.0
	Channel			506002	516588	531000	531000	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2551.01	2562.00	2565.00	2566.00		
70	QPSK	1	1	19.48	19.53	19.48	19.48	20.5	0.0
	Channel			505002	516588	531000	531000	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2526	2562.00	2569.00	2569.00		
60	QPSK	1	1	19.48	19.58	19.50	19.50	20.5	0.0
	Channel			5050202	516588	530000	530000	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2523.102	2562.00	2565.99	2565.99		
50	QPSK	1	1	19.45	19.56	19.41	19.41	20.5	0.0
	Channel			505002	516588	530400	530400	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2523.102	2562.00	2565.99	2565.99		
40	QPSK	1	1	19.46	19.57	19.39	19.39	20.5	0.0
	Channel			502000	516588	534966	534966	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2511	2562.00	2574.98	2574.98		
30	QPSK	1	1	19.53	19.52	19.38	19.38	20.5	0.0
	Channel			501204	516588	535968	535968	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2506.02	2562.00	2579.99	2579.99		
20	QPSK	1	1	19.43	19.49	19.47	19.47	20.5	0.0
	Channel			2500.02	516588	536966	536966	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2503.5	2562.00	2582.48	2582.48		
15	QPSK	1	1	19.43	19.49	19.48	19.48	20.5	0.0
	Channel			5050202	516588	537000	537000	Turn-up time (s/min)	MPR (dB)
	Frequency (MHz)			2502.502	2562.00	2582.48	2582.48		
10	QPSK	1	1	19.53	19.52	19.39	19.39	20.5	0.0

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BW (MHz)	Modulation	R Size	RB Offset	Power Level Ch 1 Freq.	Power Level Ch 2 Freq.	Power Level Ch 3 Freq.	Turnup limit (dBm)	MPR (dB)	
100	Channel			500000	516988	526000			
	Frequency (MHz)			2504.25	2502.99	2500			
	100	PV2 BPSK	1	1	21.74	21.85	21.77	23.0	0.0
	100	PV2 BPSK	1	137	21.79	21.86	21.82	23.0	0.0
	100	PV2 BPSK	135	0	21.77	21.83	21.78	23.0	0.0
	100	PV2 BPSK	135	0	21.85	21.83	21.84	23.0	0.0
	100	PV2 BPSK	135	69	21.77	21.80	21.78	23.0	0.0
	100	PV2 BPSK	135	138	21.83	21.81	21.79	23.0	0.0
	100	PV2 BPSK	270	0	21.81	21.87	21.73	23.0	0.0
	100	QPSK	1	1	21.86	21.95	21.88	23.0	0.0
100	Channel			500000	516988	526000			
	Frequency (MHz)			2504.25	2502.99	2500			
	100	QPSK	1	137	21.86	21.90	21.73	23.0	0.0
	100	QPSK	1	271	21.78	21.83	21.79	23.0	0.0
	100	QPSK	135	0	21.75	21.83	21.74	23.0	0.0
	100	QPSK	135	69	21.86	21.90	21.76	23.0	0.0
	100	QPSK	135	138	21.81	21.85	21.72	23.0	0.0
	100	QPSK	270	0	21.75	21.88	21.74	23.0	0.0
	100	QAM	1	1	21.82	21.91	21.77	23.0	0.0
	100	QAM	1	1	21.22	21.26	21.20	22.5	0.5
80	Channel			500000	516988	526000			
	Frequency (MHz)			2504.25	2502.99	2500			
	80	QPSK	1	1	21.84	21.87	21.78	23.0	0.0
	Channel			507204	516988	526000			
	Frequency (MHz)			2507.24	2506.98	2504.98			
	80	QPSK	1	1	21.74	21.86	21.76	23.0	0.0
	Channel			500000	516988	531000			
	Frequency (MHz)			2503.51	2502.99	2655			
	80	QPSK	1	1	21.80	21.88	21.74	23.0	0.0
	60	Channel			500000	516988	531000		
Frequency (MHz)				2506	2502.99	2659.98			
60		QPSK	1	1	21.80	21.84	21.82	23.0	0.0
Channel				500000	516988	536000			
Frequency (MHz)				2512.12	2502.99	2664.99			
60		QPSK	1	1	21.82	21.81	21.80	23.0	0.0
Channel				503002	516988	534000			
Frequency (MHz)				2503.02	2502.99	2660.99			
60		QPSK	1	1	21.76	21.81	21.78	23.0	0.0
50		Channel			500000	516988	534998		
	Frequency (MHz)			2503.02	2502.99	2674.98			
	50	QPSK	1	1	21.75	21.81	21.74	23.0	0.0
	Channel			502000	516988	534998			
	Frequency (MHz)			2503.02	2502.99	2674.98			
30	Channel			501204	516988	530998			
	Frequency (MHz)			2506.02	2502.99	2679.98			
	30	QPSK	1	1	21.88	21.89	21.72	23.0	0.0
	Channel			501204	516988	530998			
	Frequency (MHz)			2506.02	2502.99	2679.98			
15	Channel			501204	516988	537000			
	Frequency (MHz)			2506.02	2502.99	2682.48			
	15	QPSK	1	1	21.75	21.91	21.74	23.0	0.0
	Channel			501204	516988	537000			
	Frequency (MHz)			2506.02	2502.99	2682.48			
10	QPSK	1	1	21.85	21.84	21.80	23.0	0.0	

Part27Q_n77_Ant 11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Mask Ch./F.Freq.	Power High Ch./F.Freq.	Turnup time (min)	MFR (dB)				
Channel												
Frequency (MHz)												
150	P12 BPSK	1	1	22.34			23.5	0.0				
150	P12 BPSK	1	137	22.33								
150	P12 BPSK	1	271	22.37			23.5	0.0				
150	P12 BPSK	135	5	22.33								
150	P12 BPSK	135	85	22.45			23.5	0.0				
150	P12 BPSK	135	138	22.34								
150	P12 BPSK	270	5	22.35			23.5	0.0				
150	QPSK	1	1	22.47								
150	QPSK	1	137	22.38			23.5	0.0				
150	QPSK	1	271	22.45								
150	QPSK	135	5	22.37			23.5	0.0				
150	QPSK	135	85	22.45								
150	QPSK	135	138	22.45			23.5	0.0				
150	QPSK	270	5	22.45								
150	QPSK	270	1	21.72			23.5	0.5				
150	84QAM	1	1	26.14								
150	84QAM	1	1	18.17			18.5	4.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	22.37			23.5	0.0	MPR			
50	QPSK	1	271	22.45								
Channel												
Frequency (MHz)												
80	QPSK	1	1	22.48			23.5	0.0	MPR			
80	QPSK	1	271	22.45								
Channel												
Frequency (MHz)												
70	QPSK	1	1	22.38			23.5	0.0	MPR			
70	QPSK	1	1	22.38								
Channel												
Frequency (MHz)												
60	QPSK	1	1	22.45			23.5	0.0	MPR			
60	QPSK	1	1	22.45								
Channel												
Frequency (MHz)												
50	QPSK	1	1	22.45			23.5	0.0	MPR			
50	QPSK	1	1	22.45								
Channel												
Frequency (MHz)												
40	QPSK	1	1	22.38			23.5	0.0	MPR			
40	QPSK	1	1	22.38								
Channel												
Frequency (MHz)												
30	QPSK	1	1	22.38			23.5	0.0	MPR			
30	QPSK	1	1	22.38								
Channel												
Frequency (MHz)												
20	QPSK	1	1	22.39			23.5	0.0	MPR			
20	QPSK	1	1	22.39								
Channel												
Frequency (MHz)												
15	QPSK	1	1	22.45			23.5	0.0	MPR			
15	QPSK	1	1	22.45								
Channel												
Frequency (MHz)												
10	QPSK	1	1	22.41			23.5	0.0				
10	QPSK	1	1	22.41								

Part27O_n77_Ant 11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Mask Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MFR (dB)				
Channel												
Frequency (MHz)												
150	P12 BPSK	1	1	22.33	22.51	22.28	23.5	0.0				
150	P12 BPSK	1	137	22.34	22.42	22.15						
150	P12 BPSK	1	271	22.38	22.42	22.20	23.5	0.0				
150	P12 BPSK	135	5	22.25	22.42	22.18						
150	P12 BPSK	135	85	22.14	22.38	22.12	23.5	0.5				
150	P12 BPSK	135	138	22.23	22.38	22.15						
150	P12 BPSK	270	5	22.15	22.35	22.01	23.5	0.0				
150	QPSK	1	1	22.37	22.53	22.29						
150	QPSK	1	137	22.37	22.53	22.29	23.5	0.0				
150	QPSK	1	271	22.34	22.46	22.15						
150	QPSK	135	5	22.21	22.43	22.15	23.5	0.0				
150	QPSK	135	85	22.23	22.45	22.15						
150	QPSK	135	138	22.22	22.40	22.07	23.5	0.0				
150	QPSK	270	5	21.86	22.07	21.86						
150	84QAM	1	1	21.91	22.07	21.86	23.5	0.5				
150	84QAM	1	1	20.35	20.41	20.13						
150	84QAM	1	1	18.29	18.35	18.12	18.5	4.0				
Channel												
Frequency (MHz)												
90	QPSK	1	1	22.49	22.53	22.25	23.5	0.0				
90	QPSK	1	271	22.49	22.53	22.25						
Channel												
Frequency (MHz)												
80	QPSK	1	1	22.48	22.54	22.25	23.5	0.0				
80	QPSK	1	1	22.48	22.54	22.25						
Channel												
Frequency (MHz)												
70	QPSK	1	1	22.52	22.56	22.18	23.5	0.0				
70	QPSK	1	1	22.52	22.56	22.18						
Channel												
Frequency (MHz)												
60	QPSK	1	1	22.42	22.47	22.15	23.5	0.0				
60	QPSK	1	1	22.42	22.47	22.15						
Channel												
Frequency (MHz)												
50	QPSK	1	1	22.50	22.50	22.18	23.5	0.0				
50	QPSK	1	1	22.50	22.50	22.18						
Channel												
Frequency (MHz)												
40	QPSK	1	1	22.50	22.50	22.18	23.5	0.0				
40	QPSK	1	1	22.50	22.50	22.18						
Channel												
Frequency (MHz)												
30	QPSK	1	1	22.49	22.49	22.18	23.5	0.0				
30	QPSK	1	1	22.49	22.49	22.18						
Channel												
Frequency (MHz)												
20	QPSK	1	1	22.46	22.46	22.18	23.5	0.0				
20	QPSK	1	1	22.46	22.46	22.18						
Channel												
Frequency (MHz)												
15	QPSK	1	1	22.48	22.48	22.18	23.5	0.0				
15	QPSK	1	1	22.48	22.48	22.18						
Channel												
Frequency (MHz)												
10	QPSK	1	1	22.46	22.46	22.18	23.5	0.0				
10	QPSK	1	1	22.46	22.46	22.18						

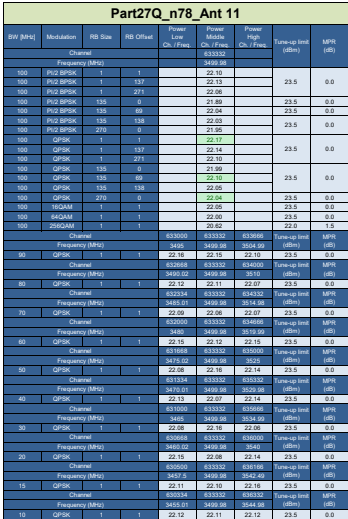
Part27Q_n77_Ant 12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Mask Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
150	P12 BPSK	1	1	19.81			20.5	0.0	
150	P12 BPSK	1	133	19.78					
150	P12 BPSK	1	271	19.82			20.5	0.0	
150	P12 BPSK	135	5	19.73					
150	P12 BPSK	135	85	19.78			20.5	0.0	
150	P12 BPSK	135	138	19.78					
150	P12 BPSK	270	5	19.87			20.5	0.0	
150	QPSK	1	1	19.82					
150	QPSK	1	133	19.82			20.5	0.0	
150	QPSK	1	271	19.87					
150	QPSK	135	5	19.80			20.5	0.0	
150	QPSK	135	85	19.82					
150	QPSK	135	138	19.82			20.5	0.0	
150	QPSK	270	5	19.75					
150	16QAM	1	1	19.82			20.5	0.0	
150	84QAM	1	1	19.82					
150	84QAM	1	1	19.82			20.5	0.0	
150	84QAM	1	1	19.82					
Channel									
Frequency (MHz)									
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK	1	1	0.0000	0.0000	0.0000	20.5	0.0	MFR
50	QPSK								

Part20_H77_Ant_21							
RF [GHz]	Modulation	RF BW [Hz]	RF Offset [Hz]	Probe-Line [nm]	Power [mW]	Fluor. High. [nm]	Fluor. Low. [nm]
100	QPSK	1	0	0	0.01532		
100	QPSK	1	1	1	17.84		
100	QPSK	1	217	217	17.84		
100	QPSK	1	2171	2171	17.77		16.0
100	QPSK	150	0	0	17.75		18.0
100	QPSK	150	150	150	17.75		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	2010	0	0	17.84		18.0
100	QPSK	1	0	0	17.84		18.0
100	QPSK	1	1	1	17.87		18.0
100	QPSK	1	217	217	17.83		18.0
100	QPSK	150	0	0	17.80		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
100	QPSK	2171	2171	2171	17.83		18.0
100	QPSK	150	150	150	17.83		18.0
100	QPSK	150	150	150	17.84		18.0
100	QPSK	2170	0	0	17.83		18.0
100	QPSK	2170	2170	2170	17.83		18.0
100	QPSK	2171	1	1	17.87		18.0
1							

[illegible]

Part27Q n77 Ant. Final							
Br [MHz]	Modulation	File Size	File Offset	Power [mW]	Power [dBm]	Power [dBm]	Power [dBm]
				Ch. 1	Ch. 2	Ch. 3	Ch. 4
				893330	893330	893330	893330
100	FSK BPSK	1	1	17.64			
Frequency [MHz]				17.64			
100	FSK BPSK	1	1	17.64			
Frequency [MHz]				17.64			
100	FSK BPSK	1	1	17.64			
Frequency [MHz]				17.64			
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	1	1	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	136	6	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	136	136	17.68			18.5
Frequency [MHz]				17.68			18.5
100	FSK BPSK	270	27	17.51			18.5
Frequency [MHz]				17.50			18.5
100	FSK BPSK	1	1	17.68			18.5

[illegible]

[illegible][illegible]

Part270 n78 Ant 12								
RF (MHz)	Moderation	RF SW	RF Offset	Power Level CW/PA (dBm)	Power Max (dBm)	Power Min (dBm)	Time-up (sec)	MPN (%)
Channel				Power Max (dBm)	Power Min (dBm)			
Frequency (MHz)				95000				
186	QPSK 1/2	1	1	20.22				
186	QPSK 1/2	1	1	20.22			21.0	0.0
186	QPSK 1/2	1	21/1	20.13				
186	QPSK 1/2	135	0	20.27			21.0	0.0
186	QPSK 1/2	135	0	20.27			21.0	0.0
186	QPSK 1/2	135	168	19.97			21.0	0.0
186	QPSK 1/2	210	0	20.22				
186	QPSK 1/2	1	1	20.25				
186	QPSK 1/2	1	13/7	20.19			21.0	0.0
186	QPSK 1/2	1	21/1	20.13				
186	QPSK 1/2	135	0	20.28				
186	QPSK 1/2	135	0	20.28			21.0	0.0
186	QPSK 1/2	135	168	20.05				
186	QPSK 1/2	210	0	20.26			21.0	0.0
186	QPSK 1/2	1	1	20.25				
186	QPSK 1/2	1	1	20.04			21.0	0.0
186	QPSK 1/2	1	1	20.13			21.0	0.0
Frequency (MHz)				94968	95000	95032	Time-up (sec)	MPN
90	QPSK 1/2	1	1	20.14	20.14	20.18	21.0	0.0
Channel				95032	95068	95104	Time-up (sec)	MPN
90	QPSK 1/2	105/1	0	20.20	20.20	20.20	21.0	0.0
90	QPSK 1/2	1	1	20.20	20.14	20.19	21.0	0.0
Channel				95068	95104	95140	Time-up (sec)	MPN
90	QPSK 1/2	105/1	0	20.20	20.20	20.20	21.0	0.0
70	QPSK 1/2	1	1	20.17	20.23	20.18	21.0	0.0
Frequency (MHz)				94968	95000	95032	Time-up (sec)	MPN
60	QPSK 1/2	1	1	20.14	20.14	20.18	21.0	0.0
Channel				95032	95068	95104	Time-up (sec)	MPN
50	QPSK 1/2	1	1	20.20	20.24	20.19	21.0	0.0
Channel				95068	95104	95140	Time-up (sec)	MPN
46	QPSK 1/2	1	1	20.14	20.20	20.19	21.0	0.0
Channel				95104	95140	95176	Time-up (sec)	MPN
30	QPSK 1/2	1	1	20.13	20.16	20.20	21.0	0.0
Frequency (MHz)				94968	95000	95032	Time-up (sec)	MPN
20	QPSK 1/2	1	1	20.22	20.17	20.17	21.0	0.0
Channel				95032	95068	95104	Time-up (sec)	MPN
15	QPSK 1/2	1	1	20.27	20.22	20.16	21.0	0.0
Frequency (MHz)				94968	95000	95032	Time-up (sec)	MPN
10	QPSK 1/2	1	1	20.18	20.21	20.15	21.0	0.0
Channel				95032	95068	95104	Time-up (sec)	MPN
10	QPSK 1/2	1	1	20.23	20.19	20.23	21.0	0.0

Part27Q_n78_Ant 21											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	20.08			21.0	0.0			
100	P12 BPSK	1	137	20.07							
100	P12 BPSK	1	271	20.08			21.0	0.0			
100	P12 BPSK	135	5	20.08							
100	P12 BPSK	135	86	20.08			21.0	0.0			
100	P12 BPSK	135	138	20.08							
100	P12 BPSK	271	5	20.07			21.0	0.0			
100	QPSK	1	1	20.10							
100	QPSK	1	137	20.08			21.0	0.0			
100	QPSK	1	271	20.05							
100	QPSK	135	5	20.00			21.0	0.0			
100	QPSK	135	86	20.00							
100	QPSK	135	138	20.08			21.0	0.0			
100	QPSK	271	5	20.00							
100	16QAM	1	1	19.97			21.0	0.0			
100	16QAM	1	1	19.97							
100	256QAM	1	1	19.73			19.5	1.5			
Channel											
60	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)	MPR (dB)			
Frequency (MHz)											
60	QPSK	1	1	60.00	60.00	60.00		21.0	0.0		
60	QPSK	1	271	60.00	60.00	60.00					
Channel											
Frequency (MHz)											
80	QPSK	1	1	19.76	19.72	20.01	21.0	0.0	0.0		
80	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
70	QPSK	1	1	19.74	19.81	19.80	21.0	0.0	0.0		
70	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
40	QPSK	1	1	19.79	19.73	19.75	21.0	0.0	0.0		
40	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.83	19.74	19.89	21.0	0.0	0.0		
30	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
20	QPSK	1	1	19.71	19.75	19.69	21.0	0.0	0.0		
20	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
15	QPSK	1	1	19.69	19.80	19.74	21.0	0.0	0.0		
15	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
10	QPSK	1	1	19.74	19.77	20.01	21.0	0.0	0.0		
10	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				

Part27O_n78_Ant 21											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	20.08				21.0	0.0		
100	P12 BPSK	1	137	20.05							
100	P12 BPSK	1	271	19.85				21.0	0.0		
100	P12 BPSK	135	5	19.85							
100	P12 BPSK	135	86	20.05				21.0	0.0		
100	P12 BPSK	135	138	20.05							
100	P12 BPSK	271	5	19.85				21.0	0.0		
100	QPSK	1	1	20.10							
100	QPSK	1	137	19.85				21.0	0.0		
100	QPSK	1	271	19.85							
100	QPSK	135	5	19.85				21.0	0.0		
100	QPSK	135	86	20.05							
100	QPSK	135	138	20.00				21.0	0.0		
100	QPSK	271	5	20.00							
100	16QAM	1	1	19.95				21.0	0.0		
100	16QAM	1	1	19.95							
100	256QAM	1	1	19.25				19.5	1.5		
Channel											
60	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)	MPR (dB)			
Frequency (MHz)											
60	QPSK	1	1	60.00	60.00	60.00		21.0	0.0		
60	QPSK	1	271	60.00	60.00	60.00					
Channel											
Frequency (MHz)											
80	QPSK	1	1	19.72	19.69	19.94	21.0	0.0	0.0		
80	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
70	QPSK	1	1	19.80	19.66	20.02	21.0	0.0	0.0		
70	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
40	QPSK	1	1	19.80	19.72	19.88	21.0	0.0	0.0		
40	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.76	19.81	19.94	21.0	0.0	0.0		
30	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
20	QPSK	1	1	19.77	19.77	20.02	21.0	0.0	0.0		
20	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
15	QPSK	1	1	19.73	19.80	19.76	21.0	0.0	0.0		
15	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				
Channel											
Frequency (MHz)											
10	QPSK	1	1	19.81	19.75	19.95	21.0	0.0	0.0		
10	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)				

Part27Q_n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.27				19.5	0.0
100	P12 BPSK	1	137	18.26					
100	P12 BPSK	1	271	18.48				19.5	0.0
100	P12 BPSK	135	5	18.45					
100	P12 BPSK	135	86	18.51				19.5	0.0
100	P12 BPSK	135	138	18.49					
100	P12 BPSK	271	5	18.50				19.5	0.0
100	QPSK	1	1	18.27					
100	QPSK	1	137	18.44				19.5	0.0
100	QPSK	1	271	18.52					
100	QPSK	135	5	18.48				19.5	0.0
100	QPSK	135	86	18.51					
100	QPSK	135	138	18.52				19.5	0.0
100	QPSK	271	5	18.50					
100	16QAM	1	1	18.45				19.5	0.0
100	16QAM	1	1	18.27					
100	256QAM	1	1	18.45				19.5	0.0
Channel									
60	QPSK	1	1	60.000	60.000	60.000	Turn-up time (dB)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	60.00	60.00	60.00		19.5	0.0
60	QPSK	1	271	60.00	60.00	60.00			
Channel									
30	QPSK	1	1	18.27	18.27	18.27	Turn-up time (dB)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	18.27	18.27	18.27		19.5	0.0
30	QPSK	1	271	18.48	18.48	18.48			
Channel									
15	QPSK	1	1	18.27	18.27	18.27	Turn-up time (dB)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	18.27	18.27	18.27		19.5	0.0
15	QPSK	1	271	18.48	18.48	18.48			
Channel									
7.5	QPSK	1	1	18.27	18.27	18.27	Turn-up time (dB)	MPR (dB)	
Frequency (MHz)									
7.5	QPSK	1	1	18.27	18.27	18.27		19.5	0.0
7.5	QPSK	1	271	18.48	18.48	18.48			



Reduced Power Mode for DSI 5

n2_Ant 11							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 372000	Power High Ch. 1 Freq. 376000	Power Max Ch. 1 Freq. 380000	Turn-up time (dBm)
Channel							
20	PB-SSBSC	1	1	18.28	18.32	18.32	0.0
20	PB-SSBSC	1	53	18.16	18.24	18.27	20.0
20	PB-SSBSC	1	104	18.23	18.30	18.30	20.0
20	PB-SSBSC	50	0	18.12	18.23	18.24	20.0
20	PB-SSBSC	50	26	18.18	18.27	18.27	20.0
20	PB-SSBSC	50	56	18.26	18.36	18.35	20.0
20	PB-SSBSC	100	0	18.21	18.18	18.18	20.0
20	QPSK	1	1	18.21	18.30	18.31	0.0
20	QPSK	1	53	18.23	18.31	18.31	20.0
20	QPSK	1	104	18.22	18.30	18.31	20.0
20	QPSK	50	0	18.23	18.27	18.27	20.0
20	QPSK	50	26	18.29	18.31	18.31	20.0
20	QPSK	50	56	18.37	18.24	18.26	20.0
20	QPSK	100	0	18.13	18.20	18.20	20.0
20	SSBQAM	1	1	18.22	18.32	18.32	0.0
20	SSBQAM	1	1	18.25	18.24	18.25	20.0
20	SSBQAM	1	1	18.16	18.23	18.22	20.0
Channel							
15	QPSK	1	1	18.22	18.26	18.26	0.0
Channel							
10	QPSK	1	1	18.23	18.30	18.30	0.0
Channel							
5	QPSK	1	1	18.30	18.35	18.35	20.0

n2_Ant 13							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 372000	Power Max Ch. 1 Freq. 380000	Power High Ch. 1 Freq. 384000	Turn-up time (dBm)
Channel							
20	PB-SSBSC	1	1	19.45	19.47	19.50	0.0
20	PB-SSBSC	1	53	19.36	19.53	19.59	21.0
20	PB-SSBSC	1	104	19.41	19.54	19.49	21.0
20	PB-SSBSC	50	0	19.25	19.45	19.41	21.0
20	PB-SSBSC	50	26	19.46	19.42	19.42	21.0
20	PB-SSBSC	50	56	19.41	19.43	19.44	21.0
20	PB-SSBSC	100	0	19.36	19.38	19.38	21.0
20	QPSK	1	1	19.33	19.50	19.51	0.0
20	QPSK	1	53	19.44	19.57	19.45	21.0
20	QPSK	1	104	19.51	19.50	19.51	21.0
20	QPSK	50	0	19.35	19.47	19.43	21.0
20	QPSK	50	26	19.44	19.30	19.40	21.0
20	QPSK	50	56	19.43	19.40	19.40	21.0
20	QPSK	100	0	19.40	19.41	19.39	21.0
20	SSBQAM	1	1	19.36	19.46	19.45	0.0
20	SSBQAM	1	1	19.34	19.42	19.44	21.0
20	SSBQAM	1	1	19.24	19.41	19.36	20.0
Channel							
15	QPSK	1	1	19.27	19.43	19.42	21.0
Channel							
10	QPSK	1	1	19.26	19.40	19.39	21.0
Channel							
5	QPSK	1	1	19.43	19.46	19.41	21.0

n5_Ant 13							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 168000	Power Max Ch. 1 Freq. 167200	Power High Ch. 1 Freq. 167000	Turn-up time (dBm)
Channel							
20	PB-SSBSC	1	1	23.81	23.71	23.62	0.0
20	PB-SSBSC	1	53	23.54	23.81	23.57	25.0
20	PB-SSBSC	1	104	23.45	23.48	23.47	25.0
20	PB-SSBSC	50	0	23.87	23.13	23.16	24.5
20	PB-SSBSC	50	26	23.51	23.85	23.58	25.0
20	PB-SSBSC	50	56	23.56	23.07	23.07	24.5
20	PB-SSBSC	100	0	23.12	23.15	23.13	24.5
20	QPSK	1	1	23.85	23.50	23.71	0.0
20	QPSK	1	53	23.57	23.80	23.59	25.0
20	QPSK	1	104	23.44	23.44	23.38	25.0
20	QPSK	50	0	23.85	23.05	23.05	24.0
20	QPSK	50	26	23.50	23.80	23.49	25.0
20	QPSK	50	56	23.42	23.50	23.43	24.0
20	QPSK	100	0	23.54	23.08	23.48	24.0
20	SSBQAM	1	1	23.70	23.42	23.42	24.0
20	SSBQAM	1	1	23.41	23.45	23.42	23.5
20	SSBQAM	1	1	19.31	19.30	19.31	20.5
Channel							
15	QPSK	1	1	23.76	23.82	23.77	24.0
Channel							
10	QPSK	1	1	23.78	23.77	23.81	24.0
Channel							
5	QPSK	1	1	23.72	23.80	23.89	25.0

n5_Ant 31							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 168000	Power Max Ch. 1 Freq. 167200	Power High Ch. 1 Freq. 167000	Turn-up time (dBm)
Channel							
20	PB-SSBSC	1	1	23.43	23.49	23.48	0.0
20	PB-SSBSC	1	53	23.42	23.46	23.37	25.0
20	PB-SSBSC	1	104	23.15	23.51	23.18	24.5
20	PB-SSBSC	50	0	23.78	22.87	22.78	24.5
20	PB-SSBSC	50	26	23.31	23.54	23.52	25.0
20	PB-SSBSC	50	56	23.71	23.75	23.70	24.5
20	PB-SSBSC	100	0	23.75	23.65	23.78	24.5
20	QPSK	1	1	23.52	23.51	23.48	0.0
20	QPSK	1	53	23.40	23.42	23.35	25.0
20	QPSK	1	104	23.16	23.26	23.17	24.0
20	QPSK	50	0	23.26	23.05	23.29	24.0
20	QPSK	50	26	23.30	23.59	23.51	25.0
20	QPSK	50	56	23.68	23.13	23.17	24.0
20	QPSK	100	0	23.24	23.50	23.25	24.0
20	SSBQAM	1	1	23.26	23.22	23.25	24.0
20	SSBQAM	1	1	23.02	23.10	23.03	23.5
20	SSBQAM	1	1	19.04	19.10	19.08	20.5
Channel							
15	QPSK	1	1	23.43	23.50	23.43	24.0
Channel							
10	QPSK	1	1	23.43	23.53	23.47	25.0
Channel							
5	QPSK	1	1	23.41	23.50	23.39	25.0



n7_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (dBm)	MPR (dB)	
Channel									
40	PIC2 BPSK	1	1	18.87	18.94	18.92			
40	PIC2 BPSK	1	108	18.83	18.88	18.95	20.0	0.0	
40	PIC2 BPSK	1	214	18.87	18.93	18.92			
40	PIC2 BPSK	108	0	18.94	18.92	18.99	20.0	0.0	
40	PIC2 BPSK	108	54	18.95	18.98	18.94	20.0	0.0	
40	PIC2 BPSK	108	108	18.95	18.97	18.95	20.0	0.0	
40	PIC2 BPSK	216	0	18.48	18.48	18.65	20.0	0.0	
40	QPSK	1	1	18.95	18.95	18.95			
40	QPSK	1	108	18.83	18.94	18.97	20.0	0.0	
40	QPSK	1	214	18.86	18.97	18.94			
40	QPSK	108	0	18.92	18.92	18.94	20.0	0.0	
40	QPSK	108	54	18.95	18.95	18.95	20.0	0.0	
40	QPSK	108	108	18.93	18.93	18.91	20.0	0.0	
40	QPSK	216	0	18.87	18.92	18.94	20.0	0.0	
40	SSB4M	1	1	18.85	18.88	18.97	20.0	0.0	
40	SSB4M	1	1	18.87	18.92	18.95	20.0	0.0	
40	SSB4M	1	1	18.85	18.88	18.95	19.5	0.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.82	18.82	18.82	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.87	18.83	18.97	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.79	18.79	18.72	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.83	18.78	18.78	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.89	18.81	18.75	20.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.84	18.84	18.75	20.0	0.0	
5	QPSK	1	1	18.84	18.84	18.75	20.0	0.0	

n7_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (dBm)	MPR (dB)	
Channel									
40	PIC2 BPSK	1	1	15.91	15.95	15.97			
40	PIC2 BPSK	1	108	15.88	15.88	15.92	17.0		0.0
40	PIC2 BPSK	1	214	15.84	15.92	15.93			
40	PIC2 BPSK	108	0	15.89	15.89	15.82	17.0		0.0
40	PIC2 BPSK	108	54	15.87	15.85	15.94	17.0		0.0
40	PIC2 BPSK	108	108	15.88	15.84	15.94	17.0		0.0
40	PIC2 BPSK	216	0	15.82	15.84	15.80	17.0		0.0
40	QPSK	1	1	15.92	15.92	15.93			
40	QPSK	1	108	15.84	15.87	15.95	17.0		0.0
40	QPSK	1	214	15.85	15.92	15.94	17.0		0.0
40	QPSK	108	0	15.92	15.92	15.94	17.0		0.0
40	QPSK	108	54	15.95	15.95	15.95	17.0		0.0
40	QPSK	108	108	15.90	15.92	15.94	17.0		0.0
40	QPSK	216	0	15.82	15.92	15.89	17.0		0.0
40	SSB4M	1	1	15.87	15.85	15.95	17.0		0.0
40	SSB4M	1	1	15.92	15.95	15.95	17.0		0.0
40	SSB4M	1	1	15.85	15.85	15.94	17.0		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.83	15.83	15.83	17.0		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.88	15.93	15.95	17.0		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.92	15.85	15.95	17.0		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.90	15.92	15.95	17.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.89	15.90	15.92	17.0		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.87	15.85	15.94	17.0		0.0

n7_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (dBm)	MPR (dB)	
Channel									
40	PIC2 BPSK	1	1	21.55	21.51	21.58			
40	PIC2 BPSK	1	108	21.53	21.59	21.48	23.0	0.0	
40	PIC2 BPSK	1	214	21.45	21.49	21.54			
40	PIC2 BPSK	108	0	21.38	21.59	21.38	23.0	0.0	
40	PIC2 BPSK	108	54	21.42	21.52	21.48	23.0	0.0	
40	PIC2 BPSK	108	108	21.25	21.45	21.47	23.0	0.0	
40	PIC2 BPSK	216	0	21.41	21.55	21.35	23.0	0.0	
40	QPSK	1	1	21.55	21.55	21.55			
40	QPSK	1	108	21.56	21.63	21.58	23.0	0.0	
40	QPSK	1	214	21.55	21.55	21.55	23.0	0.0	
40	QPSK	108	0	21.45	21.55	21.44	23.0	0.0	
40	QPSK	108	54	21.45	21.62	21.54	23.0	0.0	
40	QPSK	108	108	21.30	21.55	21.51	23.0	0.0	
40	QPSK	216	0	21.43	21.55	21.46	23.0	0.0	
40	SSB4M	1	1	21.45	21.52	21.42	23.0	0.0	
40	SSB4M	1	1	21.35	21.54	21.37	23.0	0.0	
40	SSB4M	1	1	17.84	17.82	17.94	19.5	3.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.53	21.58	21.56	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.58	21.52	21.52	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.49	21.54	21.54	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.54	21.61	21.53	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.51	21.60	21.52	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.55	21.64	21.54	23.0	0.0	

n26_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	24.83	24.94	24.94			
20	PIC2 BPSK	1	54	24.84	24.97	24.91	25.0	0.0	
20	PIC2 BPSK	1	104	24.92	24.96	24.91			
20	PIC2 BPSK	54	0	24.92	24.91	24.98	24.0	0.5	
20	PIC2 BPSK	54	26	24.95	24.99	24.94	25.0		
20	PIC2 BPSK	54	96	24.93	24.94	24.97	24.0	0.5	
20	PIC2 BPSK	100	0	24.97	24.95	24.98	24.0		
20	QPSK	1	1	24.92	24.92	24.92			
20	QPSK	1	54	24.97	24.98	24.91	25.0	0.0	
20	QPSK	1	104	24.92	24.96	24.91			
20	QPSK	54	0	24.95	24.91	24.93	24.0	1.0	
20	QPSK	54	26	24.91	24.93	24.92	25.0	0.0	
20	QPSK	54	96	24.92	24.93	24.93	24.0	1.0	
20	QPSK	100	0	24.96	24.95	24.98	24.0		
20	QPSK	100	26	24.96	24.95	24.98	24.0		
20	QPSK	100	96	24.96	24.95	24.98	24.0		
20	QPSK	100	126	24.96	24.95	24.98	24.0		
20	QPSK	100	156	24.96	24.95	24.98	24.0		
20	QPSK	100	186	24.96	24.95	24.98	24.0		
20	QPSK	100	216	24.96	24.95	24.98	24.0		
20	QPSK	100	246	24.96	24.95	24.98	24.0		
20	QPSK	100	276	24.96	24.95	24.98	24.0		
20	QPSK	100	306	24.96	24.95	24.98	24.0		
20	QPSK	100	336	24.96	24.95	24.98	24.0		
20	QPSK	100	366	24.96	24.95	24.98	24.0		
20	QPSK	100	396	24.96	24.95	24.98	24.0		
20	QPSK	100	426	24.96	24.95	24.98	24.0		
20	QPSK	100	456	24.96	24.95	24.98	24.0		
20	QPSK	100	486	24.96	24.95	24.98	24.0		
20	QPSK	100	516	24.96	24.95	24.98	24.0		
20	QPSK	100	546	24.96	24.95	24.98	24.0		
20	QPSK	100	576	24.96	24.95	24.98	24.0		
20	QPSK	100	606	24.96	24.95	24.98	24.0		
20	QPSK	100	636	24.96	24.95	24.98	24.0		
20	QPSK	100	666	24.96	24.95	24.98	24.0		
20	QPSK	100	696	24.96	24.95	24.98	24.0		
20	QPSK	100	726	24.96	24.95	24.98	24.0		
20	QPSK	100	756	24.96	24.95	24.98	24.0		
20	QPSK	100	786	24.96	24.95	24.98	24.0		
20	QPSK	100	816	24.96	24.95	24.98	24.0		
20	QPSK	100	846	24.96	24.95	24.98	24.0		
20	QPSK	100	876	24.96	24.95	24.98	24.0		
20	QPSK	100	906	24.96	24.95	24.98	24.0		
20	QPSK	100	936	24.96	24.95	24.98	24.0		
20	QPSK	100	966	24.96	24.95	24.98	24.0		
20	QPSK	100	996	24.96	24.95	24.98	24.0		
20	QPSK	100	1026	24.96	24.95	24.98	24.0		
20	QPSK	100	1056	24.96	24.95	24.98	24.0		
20	QPSK	100	1086	24.96	24.95	24.98	24.0		
20	QPSK	100	1116	24.96	24.95	24.98	24.0		
20	QPSK	100	1146	24.96	24.95	24.98	24.0		
20	QPSK	100	1176	24.96	24.95	24.98	24.0		
20	QPSK	100	1206	24.96	24.95	24.98	24.0		
20	QPSK	100	1236	24.96	24.95	24.98	24.0		
20	QPSK	100	1266	24.96	24.95	24.98	24.0		
20	QPSK	100	1296	24.96	24.95	24.98	24.0		
20	QPSK	100	1326	24.96	24.95	24.98	24.0		
20	QPSK	100	1356	24.96	24.95	24.98	24.0		
20	QPSK	100	1386	24.96	24.95	24.98	24.0		
20	QPSK	100	1416	24.96	24.95	24.98	24.0		
20	QPSK	100	1446	24.96	24.95	24.98	24.0		
20	QPSK	100	1476	24.96	24.95	24.98	24.0		
20	QPSK	100	1506	24.96	24.95	24.98	24.0		
20	QPSK	100	1536	24.96	24.95	24.98	24.0		
20	QPSK	100	1566	24.96	24.95	24.98	24.0		
20	QPSK	100	1596	24.96	24.95	24.98	24.0		
20	QPSK	100	1626	24.96	24.95	24.98	24.0		
20	QPSK	100	1656	24.96	24.95	24.98	24.0		
20	QPSK	100	1686	24.96	24.95	24.98	24.0		
20	QPSK	100	1716	24.96	24.95	24.98	24.0		
20	QPSK	100	1746	24.96	24.95	24.98	24.0		
20	QPSK	100	1776	24.96	24.95	24.98	24.0		
20	QPSK	100	1806	24.96	24.95	24.98	24.0		
20	QPSK	100	1836	24.96	24.95	24.98	24.0		
20	QPSK	100	1866	24.96	24.95	24.98	24.0		
20	QPSK	100	1896	24.96	24.95	24.98	24.0		
20	QPSK	100	1926	24.96	24.95	24.98	24.0		
20	QPSK	100	1956	24.96	24.95	24.98	24.0		
20	QPSK	100	1986	24.96	24.95	24.98	24.0		
20	QPSK	100	2016	24.96	24.95	24.98	24.0		
20	QPSK	100	2046	24.96	24.95	24.98	24.0		
20	QPSK	100	2076	24.96	24.95	24.98	24.0		
20	QPSK	100	2106	24.96	24.95	24.98	24.0		
20	QPSK	100	2136	24.96	24.95	24.98	24.0		
20	QPSK	100	2166	24.96	24.95	24.98	24.0		
20	QPSK	100	2196	24.96	24.95	24.98	24.0		
20	QPSK	100	2226	24.96	24.95	24.98	24.0		
20	QPSK	100	2256	24.96	24.95	24.98	24.0		
20	QPSK	100	2286	24.96	24.95	24.98	24.0		
20	QPSK	100	2316	24.96	24.95	24.98	24.0		
20	QPSK	100	2346	24.96	24.95	24.98	24.0		
20	QPSK	100	2376	24.96	24.95	24.98	24.0		
20	QPSK	100	2406	24.96	24.95	24.98	24.0		
20	QPSK	100	2436	24.96	24.95	24.98	24.0		
20	QPSK	100	2466	24.96	24.95	24.98	24.0		
20	QPSK	100	2496	24.96	24.95	24.98	24.0		
20	QPSK	100	2526	24.96	24.95	24.98	24.0		
20	QPSK	100	2556	24.96	24.95	24.98	24.0		
20	QPSK	100	2586	24.96	24.95	24.98	24.0		
20	QPSK	100	2616	24.96	24.95	24.98	24.0		
20	QPSK	100	2646	24.96	24.95	24.98	24.0		
20	QPSK	100	2676	24.96	24.95	24.98	24.0		
20	QPSK	100	2706	24.96	24.95	24.98	24.0		
20	QPSK	100	2736	24.96	24.95	24.98	24.0		
20	QPSK	100	2766	24.96	24.95	24.98	24.0		
20	QPSK	100	2796	24.96	24.95	24.98	24.0		
20	QPSK	100	2826	24.96	24.95	24.98	24.0		
20	QPSK	100	2856	24.96	24.95	24.98	24.0		
20	QPSK	100	2886	24.96	24.95	24.98	24.0		
20	QPSK	100	2916	24.96	24.95	24.98	24.0		
20	QPSK	100	2946	24.96	24.95	24.98	24.0		
20	QPSK	100	2976	24.96	24.95	24.98	24.0		
20	QPSK	100	3006	24.96	24.95	24.98	24.0		
20	QPSK	100	3036	24.96	24.95	24.98	24.0		
20	QPSK	100	3066	24.96	24.95	24.98	24.0		
20	QPSK	100	3096	24.96	24.95	24.98	24.0		
20	QPSK	100	3126	24.96	24.95	24.98	24.0		
20	QPSK	100	3156	24.96	24.95	24.98	24.0		
20	QPSK	100	3186	24.96	24.95	24.98	24.0		
20	QPSK	100	3216	24.96	24.95	24.98	24.0		
20	QPSK	100	3246	24.96	24.95	24.98	24.0		
20	QPSK	100	3276	24.96	24.95	24.98	24.0		
20	QPSK	100	3306	24.96	24.95	24.98	24.0		
20	QPSK	100	3336	24.96	24.95	24.98	24.0		
20	QPSK	100	3366	24.96	24.95	24.98	24.0		
20	QPSK	100	3396	24.96	24.95	24.98	24.0		
20	QPSK	100	3426	24.96	24.95	24.98	24.0		
20	QPSK	100	3456	24.96	24.95	24.98	24.0		
20	QPSK	100	3486	24.96	24.95	24.98	24.0		
20	QPSK	100	3516	24.96	24.95	24.98	24.0		
20	QPSK	100	3546	24.96	24.95	24.98	24.0		
20	QPSK	100	3576	24.96	24.95	24.98	24.0		
20	QPSK	100	3606	24.96	24.95	24.98	24.0		
20	QPSK	100	3636	24.96	24.95	24.98	24.0		
20	QPSK	100	3666	24.96	24.95	24.98	24.0		
20	QPSK	100	3696	24.96	24.95	24.98	24.0		
20	QPSK	100	3726	24.96	24.95	24.98	24.0		
20	QPSK	100	3756	24.96	24.95	24.98	24.0		
20	QPSK	100	3786	24.96	24.95	24.98	24.0		
20	QPSK	100	3816	24.96	24.95	24.98	24.0		
20	QPSK	100	3846	24.96	24.95	24.98	24.0		
20	QPSK	100	3876	24.96	24.95	24.98	24.0		
20	QPSK	100	3906	24.96	24.95	24.98	24.0		
20	QPSK	100	3936	24.96	24.95	24.98	24.0		
20	QPSK	100	3966	24.96	24.95	24.98	24.0		
20	QPSK	100	3996	24.96	24.95	24.98	24.0		
20	QPSK	100	4026	24.96	24.95	24.98	24.0		
20	QPSK	100	4056	24.96	24.95	24.98	24.0		
20									

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.] 344000	Power Media Ch. [Frac.] 345000	Power High Ch. [Frac.] 346000	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PL2 BPSK	1	1	23.70	23.70	23.67			
20	PL2 BPSK	1	53	23.63	23.63	23.60	25.0	0.0	
20	PL2 BPSK	1	104	23.55	23.54	23.51			
20	PL2 BPSK	30	0	23.67	23.15	23.08	24.5	0.5	
20	PL2 BPSK	30	24	23.66	23.66	23.59	25.0	0.0	
20	PL2 BPSK	30	56	23.24	23.25	23.15	24.5	0.5	
20	PL2 BPSK	100	0	23.69	23.20	23.12			
20	QPSK	1	1	23.70	23.63	23.57			
20	QPSK	1	53	23.66	23.71	23.62	25.0	0.0	
20	QPSK	1	104	23.66	23.66	23.62			
20	QPSK	30	0	22.55	22.87	22.54	24.0	1.0	
20	QPSK	50	28	22.59	22.69	22.56	25.0	0.0	
20	QPSK	30	56	22.09	22.22	22.06	24.0	1.0	
20	QPSK	100	0	22.58	22.62	22.59	24.0	1.0	
20	SSBAM	1	1	22.75	22.81	22.76	24.0	1.0	
20	SSBAM	1	1	21.25	21.40	21.26	23.5	2.5	
20	SSBAM	1	1	19.24	19.32	19.26	20.5	4.5	
Channel									
Frequency [MHz]				84.5	84.5	84.5	Time-up limit (dBm)		
10	QPSK	1	1	23.67	23.69	23.67	25.0	0.0	
Channel									
Frequency [MHz]				163.0	163.0	163.0	Time-up limit (dBm)		
10	QPSK	1	1	23.10	23.13	23.11	25.0	0.0	
Channel									
Frequency [MHz]				163.000	163.000	163.000	Time-up limit (dBm)		
5	QPSK	1	1	23.71	23.72	23.71	25.0	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.] 344000	Power Media Ch. [Frac.] 345000	Power High Ch. [Frac.] 346000	Time-up limit (dBm)	MPR (dB)	
Channel									
	Frequency [MHz]			1					
40	PL2 BPSK	1	1	19.93	19.94	19.91			
40	PL2 BPSK	1	104	19.93	19.95	19.96	21.0	0.0	
40	PL2 BPSK	1	214	19.94	19.95	19.99			
40	PL2 BPSK	100	0	19.84	19.91	19.79	21.0	0.0	
40	PL2 BPSK	100	54	19.97	19.95	19.91	21.0	0.0	
40	PL2 BPSK	100	108	19.85	19.85	19.79	21.0	0.0	
40	PL2 BPSK	210	0	19.88	19.91	19.85	21.0	0.0	
40	QPSK	1	1	19.95	19.95	19.91			
40	QPSK	1	108	19.85	20.01	19.90	21.0	0.0	
40	QPSK	1	214	19.92	19.95	19.99			
40	QPSK	100	0	19.81	19.95	19.85	21.0	0.0	
40	QPSK	100	54	19.97	19.95	19.91	21.0	0.0	
40	QPSK	100	108	19.83	19.94	19.91	21.0	0.0	
40	QPSK	210	0	19.81	19.98	19.89	21.0	0.0	
40	SSBAM	1	1	19.81	19.95	19.89	21.0	0.0	
40	SSBAM	1	1	19.80	19.95	19.85	20.0	1.0	
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
35	QPSK	1	1	19.79	19.85	19.74	21.0	0.0	
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
30	QPSK	1	1	19.81	19.93	19.79	21.0	0.0	
Channel									
Frequency [MHz]				344000	344000	345000	Time-up limit (dBm)		
25	QPSK	1	1	19.89	19.95	19.89	21.0	0.0	
Channel									
Frequency [MHz]				344000	345000	345000	Time-up limit (dBm)		
20	QPSK	1	1	19.85	20.00	19.91	21.0	0.0	
Channel									
Frequency [MHz]				1717.5	1745	1732.5	Time-up limit (dBm)		
15	QPSK	1	1	19.85	19.98	19.90	21.0	0.0	
Channel									
Frequency [MHz]				1715	1745	1725	Time-up limit (dBm)		
10	QPSK	1	1	19.85	19.91	19.89	21.0	0.0	
Channel									
Frequency [MHz]				345000	345000	345000	Time-up limit (dBm)		
5	QPSK	1	1	19.78	19.85	19.75	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Media Ch. [Frac.]	Power High Ch. [Frac.]	Time-up limit (dBm)	MPR (dB)	
Channel									
40	Frequency [MHz]			1	20.90	20.93	20.95		
40	PL2 BPSK	1	108		20.92	21.05	20.95	22.0	0.0
40	PL2 BPSK	1	214		20.90	20.94	20.97		
40	PL2 BPSK	100	0		20.90	20.83	20.80	22.0	0.0
40	PL2 BPSK	100	54		20.92	20.92	20.90	22.0	0.0
40	PL2 BPSK	100	108		20.85	20.97	20.90	22.0	0.0
40	PL2 BPSK	210	0		20.83	20.85	20.79	22.0	0.0
40	QPSK	1	1		20.95	20.94	20.94		
40	QPSK	1	108		20.90	21.05	20.96	22.0	0.0
40	QPSK	1	214		20.90	20.97	20.99		
40	QPSK	100	0		20.85	20.94	20.85	22.0	0.0
40	QPSK	100	54		20.95	20.99	20.98	22.0	0.0
40	QPSK	100	108		20.90	20.95	20.93	22.0	0.0
40	QPSK	210	0		20.84	20.93	20.90	22.0	0.0
40	SSBAM	1	1		20.88	20.95	20.91	22.0	0.0
40	SSBAM	1	1		20.86	20.95	20.91	22.0	0.0
40	SSBAM	1	1		19.88	19.95	19.94	20.0	2.0
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
35	QPSK	1	1		20.83	20.87	20.79	22.0	0.0
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
30	QPSK	1	1		20.84	20.94	20.87	22.0	0.0
Channel									
Frequency [MHz]				344000	344000	345000	Time-up limit (dBm)		
25	QPSK	1	1		20.94	20.99	20.95	22.0	0.0
Channel									
Frequency [MHz]				344000	345000	345000	Time-up limit (dBm)		
20	QPSK	1	1		20.87	20.99	20.87	22.0	0.0
Channel									
Frequency [MHz]				1717.5	1745	1732.5	Time-up limit (dBm)		
15	QPSK	1	1		20.84	20.95	20.96	22.0	0.0
Channel									
Frequency [MHz]				1715	1745	1725	Time-up limit (dBm)		
10	QPSK	1	1		20.85	20.93	20.97	22.0	0.0
Channel									
Frequency [MHz]				345000	345000	345000	Time-up limit (dBm)		
5	QPSK	1	1		20.87	20.93	20.90	22.0	0.0

n66_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Media Ch. [Frac.]	Power High Ch. [Frac.]	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PL2 BPSK	1	108	20.83	20.91	20.74	22.0	0.0	
40	PL2 BPSK	1	214	20.90	20.93	20.81			
40	PL2 BPSK	100	0	20.94	20.81	20.81			
40	PL2 BPSK	100	24	20.96	20.96	20.82			
40	PL2 BPSK	100	108	20.87	20.75	20.58	22.0	0.0	
40	PL2 BPSK	210	0	20.95	20.87	20.58	22.0	0.0	
40	QPSK	1	1	20.97	20.95	20.95			
40	QPSK	1	108	20.81	20.79	20.78	22.0	0.0	
40	QPSK	1	214	20.83	20.77	20.80			
40	QPSK	100	0	20.95	20.75	20.84	22.0	0.0	
40	QPSK	100	54	20.86	20.79	20.89	22.0	0.0	
40	QPSK	100	108	20.84	20.77	20.85	22.0	0.0	
40	QPSK	210	0	20.83	20.79	20.87	22.0	0.0	
40	SSBAM	1	1	20.87	20.88	20.85	22.0	0.0	
40	SSBAM	1	1	20.84	20.75	20.68	20.0	0.0	
40	SSBAM	1	1	19.80	19.91	19.81	20.0	2.0	
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
35	QPSK	1	1	20.69	20.78	20.79	22.0	0.0	
Channel									
Frequency [MHz]				1725	1745	1745	Time-up limit (dBm)		
30	QPSK	1	1	20.69	20.78	20.79	22.0	0.0	
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
25	QPSK	1	1	20.69	20.78	20.79	22.0	0.0	
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
20	QPSK	1	1	20.62	20.81	20.89	22.0	0.0	
Channel									
Frequency [MHz]				1717.5	1745	1722.5	Time-up limit (dBm)		
15	QPSK	1	1	20.69	20.78	20.79	22.0	0.0	
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
10	QPSK	1	1	20.69	20.78	20.79	22.0	0.0	
Channel									
Frequency [MHz]				1727.5	1745	1742.5	Time-up limit (dBm)		
5	QPSK	1	1	20.69	20.78	20.79	22.0	0.0	

n38_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	20.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	19.19	19.39	19.35	20.5	0.0	
40	PI2 BPSK	1	53	19.27	19.39	19.20			
40	PI2 BPSK	1	104	19.32	19.30	19.35	20.5	0.0	
40	PI2 BPSK	50	0	19.25	19.32	19.28			
40	PI2 BPSK	50	28	19.33	19.34	19.25	20.5	0.0	
40	PI2 BPSK	50	56	19.22	19.41	19.25	20.5	0.0	
40	PI2 BPSK	100	0	19.22	19.34	19.36	20.5	0.0	
40	QPSK	1	1	19.32	19.47	19.35	20.5	0.0	
40	QPSK	1	53	19.28	19.40	19.24			
40	QPSK	1	104	19.23	19.43	19.24	20.5	0.0	
40	QPSK	50	0	19.20	19.38	19.25			
40	QPSK	50	28	19.22	19.38	19.25	20.5	0.0	
40	QPSK	50	56	19.20	19.35	19.18	20.5	0.0	
40	QPSK	100	0	19.20	19.37	19.32	20.5	0.0	
40	16QAM	1	1	19.22	19.38	19.31	20.5	0.0	
40	64QAM	1	1	19.21	19.45	19.17	20.5	0.0	
40	256QAM	1	1	18.71	18.71	18.89	20.0	0.5	
Channel				517002	516000	520998	20.5	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	19.21	19.30	19.35	20.5	0.0	
Channel				516000	516000	522000	20.5	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	19.22	19.36	19.37	20.5	0.0	
Channel				515502	516000	522506	20.5	MPR	
Frequency (MHz)				2597.51	2595	2612.49			
15	QPSK	1	1	19.26	19.32	19.31	20.5	0.0	
Channel				515004	516000	522996	20.5	MPR	
Frequency (MHz)				2595.02	2594	2614.98			
10	QPSK	1	1	19.27	19.25	19.29	20.5	0.0	

n38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	17.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	16.39	16.54	16.43	17.5	0.0	
40	PI2 BPSK	1	53	16.47	16.49	16.48			
40	PI2 BPSK	1	104	16.41	16.51	16.40	17.5	0.0	
40	PI2 BPSK	50	0	16.42	16.46	16.43			
40	PI2 BPSK	50	28	16.38	16.51	16.42	17.5	0.0	
40	PI2 BPSK	50	56	16.47	16.44	16.40	17.5	0.0	
40	PI2 BPSK	100	0	16.47	16.44	16.49	17.5	0.0	
40	QPSK	1	1	16.32	16.50	16.35	17.5	0.0	
40	QPSK	1	53	16.43	16.49	16.46			
40	QPSK	1	104	16.43	16.55	16.50	17.5	0.0	
40	QPSK	50	0	16.36	16.51	16.40			
40	QPSK	50	28	16.41	16.55	16.42	17.5	0.0	
40	QPSK	50	56	16.44	16.50	16.45	17.5	0.0	
40	QPSK	100	0	16.36	16.50	16.46	17.5	0.0	
40	16QAM	1	1	16.46	16.56	16.43	17.5	0.0	
40	64QAM	1	1	16.47	16.52	16.49	17.5	0.0	
40	256QAM	1	1	16.43	16.53	16.49	17.5	0.0	
Channel				517002	516000	520998	17.5	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	16.43	16.49	16.45	17.5	0.0	
Channel				516000	516000	522000	17.5	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	16.44	16.49	16.42	17.5	0.0	
Channel				515502	516000	522506	17.5	MPR	
Frequency (MHz)				2597.51	2595	2612.49			
15	QPSK	1	1	16.48	16.53	16.45	17.5	0.0	
Channel				515004	516000	522996	17.5	MPR	
Frequency (MHz)				2595.02	2594	2614.98			
10	QPSK	1	1	16.40	16.48	16.41	17.5	0.0	

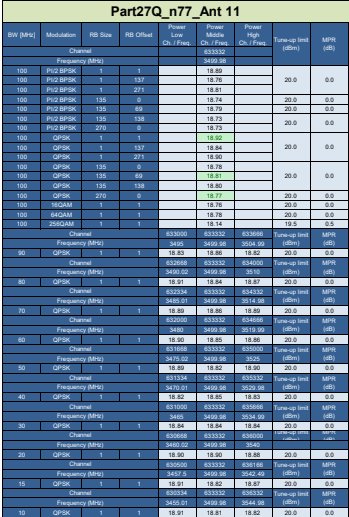
n38_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.83	22.96	22.82	24.0	0.0	
40	PI2 BPSK	1	53	22.86	22.86	22.85			
40	PI2 BPSK	1	104	22.93	22.90	22.88	24.0	0.0	
40	PI2 BPSK	50	0	22.92	22.93	22.91			
40	PI2 BPSK	50	28	22.90	22.95	22.78	24.0	0.0	
40	PI2 BPSK	50	56	22.87	22.86	22.88	24.0	0.0	
40	PI2 BPSK	100	0	22.93	22.94	22.93	24.0	0.0	
40	QPSK	1	1	22.95	23.00	22.94	24.0	0.0	
40	QPSK	1	53	22.91	22.90	22.90			
40	QPSK	1	104	22.92	22.96	22.89	23.5	0.5	
40	QPSK	50	0	22.25	22.20	22.25			
40	QPSK	50	28	22.93	22.85	22.97	24.0	0.0	
40	QPSK	50	56	22.29	22.34	22.25	23.5	0.5	
40	QPSK	100	0	22.22	22.28	22.21	23.5	0.5	
40	16QAM	1	1	22.30	22.28	22.21	23.5	0.5	
40	64QAM	1	1	20.81	20.78	20.75	22.0	2.0	
40	256QAM	1	1	18.78	18.81	18.74	20.0	4.0	
Channel				517002	516000	520998	24.0	MPR	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	22.92	22.94	22.90	24.0	0.0	
Channel				516000	516000	522000	24.0	MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	22.86	22.94	22.84	24.0	0.0	
Channel				515502	516000	522506	24.0	MPR	
Frequency (MHz)				2597.51	2595	2612.49			
15	QPSK	1	1	22.82	22.96	22.81	24.0	0.0	
Channel				515004	516000	522996	24.0	MPR	
Frequency (MHz)				2595.02	2594	2614.98			
10	QPSK	1	1	22.89	22.87	22.79	24.0	0.0	



FCC_n41_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5189.98	5300.00			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	19.37	19.50	19.48			
100	P22 BPSK	1	137	19.25	19.54	19.43	20.5	0.0	
100	P22 BPSK	1	271	19.40	19.39	19.39			
100	P22 BPSK	135	0	19.34	19.41	19.36	20.5	0.0	
100	P22 BPSK	135	69	19.39	19.47	19.40	20.5	0.0	
100	P22 BPSK	135	138	19.28	19.49	19.41	20.5	0.0	
100	P22 BPSK	270	0	19.30	19.35	19.47			
100	QPSK	1	1	19.35	19.35	19.35			
100	QPSK	1	137	19.30	19.41	19.31	20.5	0.0	
100	QPSK	1	271	19.33	19.47	19.53			
100	QPSK	135	0	19.30	19.46	19.41	20.5	0.0	
100	QPSK	135	69	19.42	19.40	19.47	20.5	0.0	
100	QPSK	135	138	19.31	19.45	19.36	20.5	0.0	
100	QPSK	270	0	19.30	19.43	19.43	20.5	0.0	
100	16QAM	1	1	19.32	19.46	19.43	20.5	0.0	
100	64QAM	1	1	19.30	19.50	19.39	20.5	0.0	
100	256QAM	1	1	19.27	19.44	19.43	20.5	0.0	
Channel				5062.00	5189.98	5269.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.30	19.47	19.40	20.5	0.0	
Channel				5072.04	5189.98	5299.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.32	19.48	19.36	20.5	0.0	
Channel				5082.02	5189.98	5310.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.29	19.39	19.38	20.5	0.0	
Channel				5092.00	5189.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	19.22	19.30	19.32	20.5	0.0	
Channel				5042.04	5189.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.30	19.40	19.34	20.5	0.0	
Channel				5032.02	5189.98	5340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.21	19.41	19.33	20.5	0.0	
Channel				5022.00	5189.98	5359.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.28	19.49	19.32	20.5	0.0	
Channel				5012.04	5189.98	5359.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.21	19.41	19.42	20.5	0.0	
Channel				5007.00	5189.98	5364.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	19.26	19.40	19.31	20.5	0.0	
Channel				5002.02	5189.98	5370.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	19.26	19.42	19.36	20.5	0.0	

FCC_n41_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5189.98	5300.00			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	16.53	16.59	16.43			
100	P22 BPSK	1	137	16.48	16.47	16.36	17.5	0.0	
100	P22 BPSK	1	271	16.46	16.48	16.40			
100	P22 BPSK	135	0	16.44	16.48	16.45	17.5	0.0	
100	P22 BPSK	135	69	16.52	16.49	16.45	17.5	0.0	
100	P22 BPSK	135	138	16.49	16.53	16.47	17.5	0.0	
100	P22 BPSK	270	0	16.44	16.57	16.41			
100	QPSK	1	1	16.57	16.53	16.35			
100	QPSK	1	137	16.47	16.57	16.36	17.5	0.0	
100	QPSK	1	271	16.53	16.56	16.37			
100	QPSK	135	0	16.45	16.49	16.38	17.5	0.0	
100	QPSK	135	69	16.40	16.54	16.47	17.5	0.0	
100	QPSK	135	138	16.45	16.48	16.40	17.5	0.0	
100	QPSK	270	0	16.42	16.49	16.43	17.5	0.0	
100	16QAM	1	1	16.47	16.49	16.47	17.5	0.0	
100	64QAM	1	1	16.45	16.54	16.37	17.5	0.0	
100	256QAM	1	1	16.42	16.53	16.46	17.5	0.0	
Channel				5062.00	5189.98	5269.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.51	16.52	16.40	17.5	0.0	
Channel				5072.04	5189.98	5299.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	16.45	16.47	16.48	17.5	0.0	
Channel				5082.02	5189.98	5310.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.43	16.48	16.39	17.5	0.0	
Channel				5092.00	5189.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	16.44	16.56	16.39	17.5	0.0	
Channel				5042.04	5189.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.41	16.57	16.39	17.5	0.0	
Channel				5032.02	5189.98	5340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.53	16.56	16.42	17.5	0.0	
Channel				5022.00	5189.98	5359.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.49	16.55	16.36	17.5	0.0	
Channel				5012.04	5189.98	5359.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.40	16.57	16.43	17.5	0.0	
Channel				5007.00	5189.98	5364.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	16.45	16.51	16.44	17.5	0.0	
Channel				5002.02	5189.98	5370.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.42	16.56	16.48	17.5	0.0	

FCC_n41_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5189.98	5300.00			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	21.74	21.85	21.77			
100	P22 BPSK	1	137	21.79	21.86	21.82	23.0	0.0	
100	P22 BPSK	1	271	21.77	21.83	21.78			
100	P22 BPSK	135	0	21.85	21.83	21.84	23.0	0.0	
100	P22 BPSK	135	69	21.77	21.80	21.78	23.0	0.0	
100	P22 BPSK	135	138	21.83	21.81	21.75	23.0	0.0	
100	P22 BPSK	270	0	21.81	21.87	21.73			
100	QPSK	1	1	21.85	21.85	21.88			
100	QPSK	1	137	21.88	21.90	21.73	23.0	0.0	
100	QPSK	1	271	21.78	21.83	21.79			
100	QPSK	135	0	21.75	21.83	21.74	23.0	0.0	
100	QPSK	135	69	21.68	21.80	21.75	23.0	0.0	
100	QPSK	135	138	21.81	21.85	21.72	23.0	0.0	
100	QPSK	270	0	21.75	21.86	21.74	23.0	0.0	
100	16QAM	1	1	21.82	21.82	21.20	22.0	0.0	
100	64QAM	1	1	21.22	21.26	21.20	22.5	0.5	
100	256QAM	1	1	19.26	19.25	19.25	20.5	2.5	
Channel				5052.00	5189.96	5299.98			
Frequency (MHz)				2546.00	2592.96	2644.98			
90	QPSK	1	1	21.84	21.87	21.78	23.0	0.0	
Channel				5072.04	5189.98	5299.98			
Frequency (MHz)				2562.04	2592.99	2638.99			
80	QPSK	1	1	21.74	21.80	21.70	23.0	0.0	
Channel				5062.02	5189.96	5310.00			
Frequency (MHz)				2553.01	2592.99	2655			
70	QPSK	1	1	21.80	21.87	21.74	23.0	0.0	
Channel				5052.00	5189.96	5310.00			
Frequency (MHz)				2552.00	2592.99	2655.98			
60	QPSK	1	1	21.80	21.84	21.82	23.0	0.0	
Channel				5052.00	5189.96	5300.00			
Frequency (MHz)				2552.00	2592.99	2654.99			
50	QPSK	1	1	21.82	21.81	21.80	23.0	0.0	
Channel				5052.02	5189.98	5340.00			
Frequency (MHz)				2548.04	2592.99	2670.00			
40	QPSK	1	1	21.75	21.91	21.74	23.0	0.0	
Channel				5022.00	5189.98	5349.96			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.80	21.82	21.80	23.0	0.0	
Channel				5012.04	5189.98	5369.98			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.85	21.80	21.74	23.0	0.0	
Channel				5002.04	5189.98	5369.96			
Frequency (MHz)				2503.03	2592.99	2682.48			
15	QPSK	1	1	21.75	21.91	21.74	23.0	0.0	
Channel				5002.04	5189.98	5370.00			
Frequency (MHz)				2502.01	2592.99				
10	QPSK	1	1	21.85	21.84	21.80	23.0	0.0	



Part270_n77_Ant 11									
RF [MHz]	Modulation	MS Size	MS Offset	Power Ch/Freq [dBm]	Power Ch/Freq [dBm]	Power Ch/Freq [dBm]	Power Ch/Freq [dBm]	Time-on-air [sec]	MPE [%]
100	PI2-SGSPK	1	1	-12.71	-18.85	-18.88	-18.88	20.0	0.0
100	PI2-SGSPK	1	241	-18.81	-18.88	-18.88	-18.88	20.0	0.0
100	PI2-SGSPK	150	0	-12.67	-18.71	-18.84	-18.84	20.0	0.0
100	PI2-SGSPK	150	80	-12.77	-18.71	-18.84	-18.84	20.0	0.0
100	PI2-SGSPK	150	160	-18.80	-18.78	-18.83	-18.83	20.0	0.0
100	PI2-SGSPK	150	241	-18.80	-18.78	-18.83	-18.83	20.0	0.0
100	SGSPK	1	1	-12.82	-18.92	-18.92	-18.92	20.0	0.0
100	SGSPK	1	150	-12.78	-18.93	-18.92	-18.92	20.0	0.0
100	SGSPK	150	0	-12.72	-18.88	-18.92	-18.92	20.0	0.0
100	SGSPK	150	80	-12.71	-18.82	-18.94	-18.94	20.0	0.0
100	SGSPK	150	160	-18.82	-18.82	-18.82	-18.82	20.0	0.0
100	SGSPK	250	0	-12.71	-18.76	-18.87	-18.87	20.0	0.0
100	SGSPK	250	80	-12.71	-18.81	-18.96	-18.96	20.0	0.0
100	SGSPK	250	160	-18.78	-18.78	-18.78	-18.78	20.0	0.0
100	SGSPK	250	241	-18.78	-18.78	-18.78	-18.78	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
80	Frequency [MHz]			12.76	18.72	18.81	18.81	20.0	0.0
Channel				-64.6234	-60.0000	-62.5000	-62.5000	Time-on-air	MPE
80	Frequency [MHz]			12.76	18.72	18.81	18.81	20.0	0.0
Channel				-64.6234	-60.0000	-62.5000	-62.5000	Time-on-air	MPE
80	Frequency [MHz]			12.77	18.85	18.98	18.98	20.0	0.0
Channel				-64.6234	-60.0000	-62.5000	-62.5000	Time-on-air	MPE
70	Channel			-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel				-64.6568	-60.0000	-62.5232	-62.5232	Time-on-air	MPE
70	Frequency [MHz]			12.74	18.82	18.81	18.81	20.0	0.0
Channel									

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RF [MHz]	Modulation	File Size	RF Offset	Power [dBm] Ch./Ch. Freq.	Power [dBm] Ch. Freq.	Power [dBm] Ch. Freq.	Power [dBm] Ch. Freq.	Time-up time (sec)	SNR (dB)
100	PI2-BPSK	1	1	10.81	10.81				
100	PI2-BPSK	1	1	10.81	10.81			25.1	0.0
100	PI2-BPSK	1	211	10.82	10.82				
100	PI2-BPSK	155	0	10.79	10.79			25.1	0.0
100	PI2-BPSK	155	138	10.78	10.78				
100	PI2-BPSK	155	138	10.82	10.82			25.1	0.0
100	QPSK	1	1	10.87	10.87				
100	QPSK	1	1	10.92	10.92				
100	QPSK	1	157	10.81	10.81			25.1	0.0
100	QPSK	1	157	10.81	10.81				
100	QPSK	155	0	10.82	10.82				
100	QPSK	155	60	10.83	10.83			25.1	0.0
100	QPSK	155	138	10.82	10.82				
100	QPSK	223	0	10.75	10.75			25.1	0.0
100	QPSK	223	60	10.75	10.75				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0
100	QPSK	223	138	10.82	10.82				
100	QPSK	223	138	10.82	10.82			25.1	0.0

[illegible]

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	17.84			18.5	0.0	
100	P12 BPSK	1	137	17.83			18.5	0.0	
100	P12 BPSK	1	271	17.77			18.5	0.0	
100	P12 BPSK	135	5	17.85			18.5	0.0	
100	P12 BPSK	135	86	17.78			18.5	0.0	
100	P12 BPSK	135	138	17.81			18.5	0.0	
100	P12 BPSK	271	5	17.83			18.5	0.0	
100	QPSK	1	1	17.84			18.5	0.0	
100	QPSK	1	137	17.81			18.5	0.0	
100	QPSK	1	271	17.85			18.5	0.0	
100	QPSK	135	5	17.89			18.5	0.0	
100	QPSK	135	86	17.82			18.5	0.0	
100	QPSK	135	138	17.84			18.5	0.0	
100	QPSK	271	5	17.82			18.5	0.0	
100	4QAM	1	1	17.87			18.5	0.0	
100	256QAM	1	1	17.70			18.5	0.0	
Channel				633000	633332	633666	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633000	633332	633666	18.5	0.0	
30	QPSK	1	1	17.80	17.84	17.88	18.5	0.0	
Channel				633666	633332	633000	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633666	633332	633000	18.5	0.0	
30	QPSK	1	1	17.82	17.83	17.89	18.5	0.0	
Channel				633332	633000	632666	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633332	633000	632666	18.5	0.0	
70	QPSK	1	1	17.86	17.83	17.81	18.5	0.0	
Channel				633000	632666	632332	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633000	632666	632332	18.5	0.0	
80	QPSK	1	1	17.82	17.84	17.84	18.5	0.0	
Channel				633332	633000	632666	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633332	633000	632666	18.5	0.0	
40	QPSK	1	1	17.82	17.83	17.84	18.5	0.0	
Channel				633000	633332	633666	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633000	633332	633666	18.5	0.0	
30	QPSK	1	1	17.81	17.85	17.89	18.5	0.0	
Channel				633666	633332	633000	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633666	633332	633000	18.5	0.0	
20	QPSK	1	1	17.89	17.84	17.82	18.5	0.0	
Channel				633332	633000	632666	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633332	633000	632666	18.5	0.0	
15	QPSK	1	1	17.88	17.86	17.82	18.5	0.0	
Channel				633000	633332	633666	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633000	633332	633666	18.5	0.0	
10	QPSK	1	1	17.90	17.89	17.87	18.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	17.78	17.89	17.95		18.5	0.0
100	P12 BPSK	1	137	17.73	17.75	17.81		18.5	0.0
100	P12 BPSK	1	271	17.64	17.76	17.81		18.5	0.0
100	P12 BPSK	135	5	17.82	17.87	17.94		18.5	0.0
100	P12 BPSK	135	86	17.82	17.75	17.85		18.5	0.0
100	P12 BPSK	135	138	17.89	17.89	17.95		18.5	0.0
100	P12 BPSK	271	5	17.82	17.74	17.80		18.5	0.0
100	QPSK	1	1	17.82	17.82	17.82		18.5	0.0
100	QPSK	1	137	17.81	17.82	17.81		18.5	0.0
100	QPSK	1	271	17.71	17.85	17.95		18.5	0.0
100	QPSK	135	5	17.82	17.77	17.49		18.5	0.0
100	QPSK	135	86	17.81	17.83			18.5	0.0
100	QPSK	135	138	17.89	17.78	17.84		18.5	0.0
100	QPSK	271	5	17.89	17.85	17.47		18.5	0.0
100	4QAM	1	1	17.87	17.75	17.45		18.5	0.0
100	256QAM	1	1	17.89	17.72	17.43		18.5	0.0
Channel				640668	640668	642332	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				640668	640668	642332	18.5	0.0	
30	QPSK	1	1	17.83	17.84	17.85		18.5	0.0
Channel				640334	640668	640998	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				640334	640668	640998	18.5	0.0	
30	QPSK	1	1	17.83	17.49	17.71		18.5	0.0
Channel				640000	640668	640998	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				640000	640668	640998	18.5	0.0	
70	QPSK	1	1	17.84	17.47	17.73		18.5	0.0
Channel				640000	640334	640998	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				640000	640334	640998	18.5	0.0	
40	QPSK	1	1	17.82	17.45	17.70		18.5	0.0
Channel				640334	640668	640998	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				640334	640668	640998	18.5	0.0	
30	QPSK	1	1	17.84	17.70	17.70		18.5	0.0
Channel				640668	640998	641332	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				640668	640998	641332	18.5	0.0	
20	QPSK	1	1	17.89	17.48	17.71		18.5	0.0
Channel				640334	640668	640998	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				640334	640668	640998	18.5	0.0	
15	QPSK	1	1	17.88	17.49	17.69		18.5	0.0
Channel				640000	640334	640998	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				640000	640334	640998	18.5	0.0	
10	QPSK	1	1	17.87	17.43	17.74		18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	17.64			18.5	0.0	
100	P12 BPSK	1	137	17.61			18.5	0.0	
100	P12 BPSK	1	271	17.59			18.5	0.0	
100	P12 BPSK	135	5	17.61			18.5	0.0	
100	P12 BPSK	135	86	17.59			18.5	0.0	
100	P12 BPSK	135	138	17.55			18.5	0.0	
100	P12 BPSK	271	5	17.59			18.5	0.0	
100	QPSK	1	1	17.73			18.5	0.0	
100	QPSK	1	137	17.70			18.5	0.0	
100	QPSK	1	271	17.68			18.5	0.0	
100	QPSK	135	5	17.68			18.5	0.0	
100	QPSK	135	86	17.65			18.5	0.0	
100	QPSK	135	138	17.69			18.5	0.0	
100	QPSK	271	5	17.71			18.5	0.0	
100	4QAM	1	1	17.68			18.5	0.0	
100	256QAM	1	1	17.67			18.5	0.0	
Channel				633000	633332	633668	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633000	633332	633668	18.5	0.0	
30	QPSK	1	1	17.64	17.64	17.68	18.5	0.0	
Channel				633668	633332	633000	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633668	633332	633000	18.5	0.0	
30	QPSK	1	1	17.64	17.70	17.85	18.5	0.0	
Channel				633332	633000	632668	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633332	633000	632668	18.5	0.0	
70	QPSK	1	1	17.69	17.72	17.82	18.5	0.0	
Channel				633000	632668	632332	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633000	632668	632332	18.5	0.0	
40	QPSK	1	1	17.63	17.63	17.64	18.5	0.0	
Channel				633332	633000	632668	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633332	633000	632668	18.5	0.0	
30	QPSK	1	1	17.69	17.72	17.82	18.5	0.0	
Channel				633000	632668	632332	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633000	632668	632332	18.5	0.0	
20	QPSK	1	1	17.67	17.67	17.68	18.5	0.0	
Channel				633332	633000	632668	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633332	633000	632668	18.5	0.0	
15	QPSK	1	1	17.66	17.66	17.68	18.5	0.0	
Channel				633000	632668	632332	Turn-up time (dBm)	MPR (dB)	
Frequency [MHz]				633000	632668	632332	18.5	0.0	
10	QPSK	1	1	17.64	17.64	17.66	18.5	0.0	

Part27Q_n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-on time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.48					
100	P12 BPSK	1	137	18.43			20.0	0.0	
100	P12 BPSK	1	271	18.44					
100	P12 BPSK	135	5	18.44			20.0	0.0	
100	P12 BPSK	135	86	18.47			21.0	0.0	
100	P12 BPSK	135	138	18.33			20.0	0.0	
100	P12 BPSK	271	5	18.43					
100	QPSK	1	1	18.50					
100	QPSK	1	137	18.40			20.0	0.0	
100	QPSK	1	271	18.50					
100	QPSK	135	5	18.45			20.0	0.0	
100	QPSK	135	86	18.53			21.0	0.0	
100	QPSK	135	138	18.40			20.0	0.0	
100	QPSK	271	5	18.42			20.0	0.0	
100	HQAM	1	1	18.42			20.0	0.0	
100	HQAM	1	1	18.48			20.0	0.0	
100	256QAM	1	1	18.43			20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.50	18.49	18.49	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.46	18.53	18.49	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.45	18.47	18.51	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.54	18.53	18.54	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.54	18.53	18.54	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.52	18.48	18.47	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.61	18.65	18.63	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.68	18.69	18.62	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.71	18.70	18.64	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.71	18.67	18.69	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.61	18.66	18.64	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.48	18.49	18.47	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.52	18.51	18.49	20.0	0.0	

Part27O_n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.64					
100	P12 BPSK	1	137	18.53			20.0	0.0	
100	P12 BPSK	1	271	18.61					
100	P12 BPSK	135	5	18.50			20.0	0.0	
100	P12 BPSK	135	86	18.50			21.0	0.0	
100	P12 BPSK	135	138	18.58			20.0	0.0	
100	P12 BPSK	271	5	18.54					
100	QPSK	1	1	18.72					
100	QPSK	1	137	18.63			20.0	0.0	
100	QPSK	1	271	18.65					
100	QPSK	135	5	18.58			20.0	0.0	
100	QPSK	135	86	18.65			21.0	0.0	
100	QPSK	135	138	18.54			20.0	0.0	
100	QPSK	271	5	18.67			20.0	0.0	
100	HQAM	1	1	18.61			20.0	0.0	
100	HQAM	1	1	18.62			20.0	0.0	
100	256QAM	1	1	18.59			20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.56	18.55	18.56	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.62	18.60	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.61	18.65	18.63	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.68	18.69	18.62	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.71	18.70	18.64	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.71	18.67	18.69	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.61	18.66	18.64	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.48	18.49	18.47	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.65	18.67	18.63	20.0	0.0	

Part27Q_n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	20.18					
100	P12 BPSK	1	137	20.20			21.0	0.0	
100	P12 BPSK	1	271	20.21					
100	P12 BPSK	135	5	20.09			21.0	0.0	
100	P12 BPSK	135	86	20.12			21.0	0.0	
100	P12 BPSK	135	138	20.07			21.0	0.0	
100	P12 BPSK	271	5	20.07					
100	QPSK	1	1	20.20					
100	QPSK	1	137	20.23			21.0	0.0	
100	QPSK	1	271	20.20					
100	QPSK	135	5	20.14			21.0	0.0	
100	QPSK	135	86	20.21			21.0	0.0	
100	QPSK	135	138	20.12			20.0	0.0	
100	QPSK	271	5	20.09			21.0	0.0	
100	HQAM	1	1	20.14			21.0	0.0	
100	HQAM	1	1	20.15			21.0	0.0	
100	256QAM	1	1	20.19			21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.20	20.19	20.20	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.28	20.29	20.21	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.23	20.25	20.27	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.23	20.24	20.24	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.27	20.29	20.27	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.21	20.29	20.29	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.17	20.29	20.29	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.22	20.29	20.29	21.0	0.0	

Part27Q_n78_Ant 21									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-on time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	20.08			21.0	0.0	
100	P12 BPSK	1	137	20.07					
100	P12 BPSK	1	271	20.08			21.0	0.0	
100	P12 BPSK	135	5	20.08					
100	P12 BPSK	135	86	20.08			21.0	0.0	
100	P12 BPSK	135	138	20.08					
100	P12 BPSK	271	5	20.07			21.0	0.0	
100	QPSK	1	1	20.10					
100	QPSK	1	137	20.08			21.0	0.0	
100	QPSK	1	271	20.05					
100	QPSK	135	5	20.08			21.0	0.0	
100	QPSK	135	86	20.08					
100	QPSK	135	138	20.08			21.0	0.0	
100	QPSK	271	5	20.07					
100	8QAM	1	1	19.97			21.0	0.0	
100	25QAM	1	1	19.73					
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.76	19.72	19.73	20.01	21.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.76	19.72	19.73	20.01	21.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.74	19.81	19.80	20.10	21.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.76	19.72	19.73	20.01	21.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.76	19.73	19.73	20.01	21.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.83	19.74	19.89	20.10	21.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.71	19.75	19.69	20.10	21.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.73	19.80	19.77	20.10	21.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.74	19.77	20.01	20.10		

Part27O_n78_Ant 21											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	20.08				21.0	0.0		
100	P12 BPSK	1	137	20.05							
100	P12 BPSK	1	271	19.85				21.0	0.0		
100	P12 BPSK	135	5	19.85							
100	P12 BPSK	135	86	20.05				21.0	0.0		
100	P12 BPSK	135	138	20.05							
100	P12 BPSK	271	5	19.85				21.0	0.0		
100	QPSK	1	1	20.08							
100	QPSK	1	137	19.85				21.0	0.0		
100	QPSK	1	271	19.85							
100	QPSK	135	5	19.85				21.0	0.0		
100	QPSK	135	86	20.05							
100	QPSK	135	138	20.05				21.0	0.0		
100	QPSK	271	5	20.05							
100	8QAM	1	1	19.86				21.0	0.0		
100	25QAM	1	1	19.57							
Channel											
Frequency (MHz)											
80	QPSK	1	1	19.76	19.72	19.73	20.01	21.0	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	19.76	19.69	19.94	20.10	21.0	0.0		
Channel											
Frequency (MHz)											
70	QPSK	1	1	19.80	19.66	20.02	20.10	21.0	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	19.76	19.72	19.73	20.01	21.0	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	19.80	19.72	19.80	20.10	21.0	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.76	19.81	19.94	20.10	21.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	19.77	19.77	20.02	20.10	21.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	19.73	19.80	19.76	20.10	21.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	19.81	19.75	19.95	20.10				

Part27Q_n78_Ant 23											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	18.27				19.5	0.0		
100	P12 BPSK	1	137	18.26							
100	P12 BPSK	1	271	18.48				19.5	0.0		
100	P12 BPSK	135	5	18.45							
100	P12 BPSK	135	86	18.51				19.5	0.0		
100	P12 BPSK	135	138	18.49							
100	P12 BPSK	271	5	18.50				19.5	0.0		
100	QPSK	1	1	18.27							
100	QPSK	1	137	18.44				19.5	0.0		
100	QPSK	1	271	18.52							
100	QPSK	135	5	18.48				19.5	0.0		
100	QPSK	135	86	18.51							
100	QPSK	135	138	18.52				19.5	0.0		
100	QPSK	271	5	18.50							
100	8QAM	1	1	18.46				19.5	0.0		
100	25QAM	1	1	18.27							
Channel											
Frequency (MHz)											
30	QPSK	1	1	18.36	18.41	18.28	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	18.38	18.41	18.35	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
70	QPSK	1	1	18.38	18.45	18.24	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	18.37	18.37	18.45	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	18.41	18.34	18.31	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	18.42	18.48	18.21	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	18.40	18.40	18.27	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	18.46	18.46	18.24	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	18.41	18.31	18.24	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	18.40	18.40	18.27	19.51	19.5	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	18.46	18.46	18.24	19.51	19.5	0.0		



Reduced Power Mode for DSI 8

n2 Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Media Ch. Freq. 376000	Power High Ch. Freq. 380000	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	15.84	15.82	15.85			
20	PIC2 BPSK	1	53	15.71	15.68	15.68	17.5	0.0	
20	PIC2 BPSK	1	104	15.53	15.37	15.35			
20	PIC2 BPSK	50	0	15.70	15.82	15.68	17.5	0.0	
20	PIC2 BPSK	50	28	15.77	15.82	15.68	17.5	0.0	
20	PIC2 BPSK	50	54	15.64	15.75	15.72	17.5	0.0	
20	PIC2 BPSK	100	0	15.73	15.83	15.70			
20	QPSK	1	1	15.75	15.75	15.75			
20	QPSK	1	53	15.82	15.82	15.82	17.5	0.0	
20	QPSK	1	104	15.82	15.82	15.82	17.5	0.0	
20	QPSK	50	0	15.73	15.81	15.75	17.5	0.0	
20	QPSK	50	28	15.77	15.81	15.75	17.5	0.0	
20	QPSK	50	54	15.73	15.83	15.65	17.5	0.0	
20	QPSK	100	0	15.73	15.83	15.65			
20	16QAM	1	1	15.82	15.75	15.72	17.5	0.0	
20	16QAM	1	1	15.77	15.88	15.75	17.5	0.0	
20	256QAM	1	1	15.70	15.87	15.77	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.73	15.83	15.70	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.83	15.90	15.87	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.83	15.90	15.87	17.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.84	15.80	15.85	17.5	0.0	

n2_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Media Ch. Freq. 376000	Power High Ch. Freq. 380000	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	15.90	15.85	15.94			
20	PIC2 BPSK	1	53	15.82	15.91	15.84	18.5	0.0	
20	PIC2 BPSK	1	104	15.77	15.83	15.85			
20	PIC2 BPSK	50	0	15.77	15.82	15.82	18.5	0.0	
20	PIC2 BPSK	50	28	15.88	15.85	15.82	18.5	0.0	
20	PIC2 BPSK	50	54	15.73	15.84	15.81	18.5	0.0	
20	PIC2 BPSK	100	0	15.85	15.74	15.84			
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.75	15.75	15.75			
20	QPSK	1	53	15.83	15.84	15.82	18.5	0.0	
20	QPSK	1	104	15.83	15.82	15.81	18.5	0.0	
20	QPSK	50	0	15.82	15.88	15.82	18.5	0.0	
20	QPSK	50	28	15.82	15.87	15.82	18.5	0.0	
20	QPSK	50	54	15.81	15.83	15.83	18.5	0.0	
20	QPSK	100	0	15.84	15.82	15.82	18.5	0.0	
20	16QAM	1	1	15.85	15.84	15.82	18.5	0.0	
20	256QAM	1	1	15.87	15.83	15.82	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.82	15.85	15.78	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.85	15.79	15.75	18.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.87	15.84	15.85	18.5	0.0	

n5_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800	Power Media Ch. Freq. 167200	Power High Ch. Freq. 167600	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	23.81	23.71	23.82			
20	PIC2 BPSK	1	53	23.54	23.81	23.87	25.0	0.0	
20	PIC2 BPSK	1	104	23.45	23.45	23.47			
20	PIC2 BPSK	50	0	23.87	23.15	23.10	24.5	0.0	
20	PIC2 BPSK	50	28	23.51	23.55	23.38	25.0	0.0	
20	PIC2 BPSK	50	54	22.98	23.07	23.02	24.5	0.0	
20	PIC2 BPSK	100	0	23.12	23.15	23.15			
20	QPSK	1	1	23.82	23.82	23.71	25.0	0.0	
20	QPSK	1	53	23.57	23.80	23.50	25.0	0.0	
20	QPSK	1	104	23.44	23.45	23.38			
20	QPSK	50	0	22.85	22.85	22.85	24.0	1.0	
20	QPSK	50	28	22.50	22.85	22.40	25.0	0.0	
20	QPSK	50	54	22.42	22.50	22.42	24.0	1.0	
20	QPSK	100	0	22.54	22.55	22.48			
20	16QAM	1	1	23.75	23.82	23.81	24.0	1.0	
20	16QAM	1	1	21.41	21.45	21.42	23.5	2.0	
20	256QAM	1	1	19.51	19.32	19.31	20.5	4.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.75	23.82	23.82	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.75	23.77	23.81	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.72	23.82	23.85	25.0	0.0	

n5_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166800	Power Media Ch. Freq. 167200	Power High Ch. Freq. 167600	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PIC2 BPSK	1	1	23.43	23.49	23.48			
20	PIC2 BPSK	1	53	23.42	23.45	23.37	25.0	0.0	
20	PIC2 BPSK	1	104	23.15	23.21	23.18			
20	PIC2 BPSK	50	0	23.78	22.87	22.78	24.5	0.0	
20	PIC2 BPSK	50	28	23.51	23.34	23.32	25.0	0.0	
20	PIC2 BPSK	50	54	22.71	22.75	22.75	24.5	0.0	
20	PIC2 BPSK	100	0	22.75	22.85	22.78			
20	QPSK	1	1	23.82	23.82	23.82			
20	QPSK	1	53	23.42	23.42	23.32	25.0	0.0	
20	QPSK	1	104	23.15	23.25	23.11			
20	QPSK	50	0	22.28	22.50	22.28	24.0	1.0	
20	QPSK	50	28	22.50	22.50	22.51	25.0	0.0	
20	QPSK	50	54	22.88	22.14	22.17	24.0	1.0	
20	QPSK	100	0	22.24	22.25	22.25			
20	16QAM	1	1	21.45	21.45	21.45	24.0	1.0	
20	16QAM	1	1	21.02	21.10	21.03	22.5	2.0	
20	256QAM	1	1	19.04	19.10	19.08	20.5	4.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.42	23.52	23.42	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.43	23.53	23.43	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.41	23.52	23.38	25.0	0.0	

[illegible]

n7 Ant									
RF BNC	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-on time (sec)	MPR (dB)
Frequency (MHz)									
40	PSK	100	1	13.45	13.54	13.47			
40	PSK	100	1	13.47	13.54	13.47	14.5	0.0	
40	PSK	100	1	13.47	13.54	13.59			
40	PSK	100	1	13.47	13.54	13.59	14.5	0.0	
40	PSK	100	54	13.44	13.52	13.46	14.5	0.0	
40	PSK	100	100	13.40	13.41	13.46	14.5	0.0	
40	PSK	100	100	13.44	13.46	13.51	14.5	0.0	
40	QPSK	1	1	13.50	13.50				
40	QPSK	100	100	13.50	13.54	14.5	0.0		
40	QPSK	1	1	13.48	13.52	13.47			
40	QPSK	100	54	13.41	13.50	13.46	14.5	0.0	
40	QPSK	100	54	13.50	13.52	13.54	14.5	0.0	
40	QPSK	100	100	13.46	13.51	13.51	14.5	0.0	
40	QPSK	100	100	13.48	13.51	13.51	14.5	0.0	
40	SSBAM	1	1	13.43	13.46	13.50	14.5	0.0	
40	SSBAM	1	1	13.47	13.48	13.51	14.5	0.0	
40	SSBAM	1	1	13.48	13.49	13.52	14.5	0.0	
Frequency (MHz)									
30	QPSK	1	1	13.53	13.50	13.50	14.5	0.0	
30	QPSK	1	1	13.44	13.45	13.46	14.5	0.0	
Frequency (MHz)									
25	QPSK	1	1	13.44	13.50	13.46	14.5	0.0	
Frequency (MHz)									
25	QPSK	1	1	13.50	13.53	13.49	14.5	0.0	
25	QPSK	1	1	13.44	13.50	13.50	14.5	0.0	
25	QPSK	1	1	13.44	13.53	13.47	14.5	0.0	
Frequency (MHz)									
15	QPSK	1	1	13.47	13.52	13.44	14.5	0.0	
15	QPSK	1	1	13.47	13.52	13.44	14.5	0.0	
Frequency (MHz)									
10	QPSK	1	1	13.48	13.49	13.49	14.5	0.0	
Frequency (MHz)									
5	QPSK	1	1	13.47	13.48	13.50	14.5	0.0	

n7 Ant_A31										
RF (MHz)	Modulation	MS Size	RF Offset	Power (dBm)	Power C/I (dB)	Power C/N (dB)	Power C/A (dB)	Power C/E (dB)	Turn-up offset (dB)	MSR (dB)
40	Channel			21.55	21.55	21.55	21.58	21.58		
	Frequency (MHz)	1		21.53	21.53	21.53	21.56	21.56	23.0	0.0
	Channel			21.45	21.45	21.45	21.54	21.54		
	Frequency (MHz)	1	214	21.45	21.45	21.45	21.54	21.54		
	Channel			21.35	21.35	21.35	21.50	21.50		
	Frequency (MHz)	1	214	21.35	21.35	21.35	21.50	21.50	23.0	0.0
	Channel			21.25	21.25	21.25	21.48	21.48		
	Frequency (MHz)	1	54	21.25	21.25	21.25	21.48	21.48	23.0	0.0
	Channel			21.12	21.12	21.12	21.45	21.45		
	Frequency (MHz)	1	214	21.12	21.12	21.12	21.45	21.45	23.0	0.0
40	Channel			21.02	21.02	21.02	21.42	21.42		
	Frequency (MHz)	1	54	21.02	21.02	21.02	21.42	21.42	23.0	0.0
	Channel			20.92	20.92	20.92	21.40	21.40		
	Frequency (MHz)	1	214	20.92	20.92	20.92	21.40	21.40	23.0	0.0
	Channel			20.82	20.82	20.82	21.38	21.38		
	Frequency (MHz)	1	54	20.82	20.82	20.82	21.38	21.38	23.0	0.0
	Channel			20.72	20.72	20.72	21.36	21.36		
	Frequency (MHz)	1	214	20.72	20.72	20.72	21.36	21.36	23.0	0.0
	Channel			20.62	20.62	20.62	21.34	21.34		
	Frequency (MHz)	1	54	20.62	20.62	20.62	21.34	21.34	23.0	0.0
40	Channel			20.52	20.52	20.52	21.32	21.32		
	Frequency (MHz)	1	214	20.52	20.52	20.52	21.32	21.32	23.0	0.0
	Channel			20.42	20.42	20.42	21.30	21.30		
	Frequency (MHz)	1	54	20.42	20.42	20.42	21.30	21.30	23.0	0.0
	Channel			20.32	20.32	20.32	21.28	21.28		
	Frequency (MHz)	1	214	20.32	20.32	20.32	21.28	21.28	23.0	0.0
	Channel			20.22	20.22	20.22	21.26	21.26		
	Frequency (MHz)	1	54	20.22	20.22	20.22	21.26	21.26	23.0	0.0
	Channel			20.12	20.12	20.12	21.24	21.24		
	Frequency (MHz)	1	214	20.12	20.12	20.12	21.24	21.24	23.0	0.0
40	Channel			20.02	20.02	20.02	21.22	21.22		
	Frequency (MHz)	1	54	20.02	20.02	20.02	21.22	21.22	23.0	0.0
	Channel			19.92	19.92	19.92	21.20	21.20		
	Frequency (MHz)	1	214	19.92	19.92	19.92	21.20	21.20	23.0	0.0
	Channel			19.82	19.82	19.82	21.18	21.18		
	Frequency (MHz)	1	54	19.82	19.82	19.82	21.18	21.18	23.0	0.0
	Channel			19.72	19.72	19.72	21.16	21.16		
	Frequency (MHz)	1	214	19.72	19.72	19.72	21.16	21.16	23.0	0.0
	Channel			19.62	19.62	19.62	21.14	21.14		
	Frequency (MHz)	1	54	19.62	19.62	19.62	21.14	21.14	23.0	0.0
40	Channel			19.52	19.52	19.52	21.12	21.12		
	Frequency (MHz)	1	214	19.52	19.52	19.52	21.12	21.12	23.0	0.0
	Channel			19.42	19.42	19.42	21.10	21.10		
	Frequency (MHz)	1	54	19.42	19.42	19.42	21.10	21.10	23.0	0.0
	Channel			19.32	19.32	19.32	21.08	21.08		
	Frequency (MHz)	1	214	19.32	19.32	19.32	21.08	21.08	23.0	0.0
	Channel			19.22	19.22	19.22	21.06	21.06		
	Frequency (MHz)	1	54	19.22	19.22	19.22	21.06	21.06	23.0	0.0
	Channel			19.12	19.12	19.12	21.04	21.04		
	Frequency (MHz)	1	214	19.12	19.12	19.12	21.04	21.04	23.0	0.0
40	Channel			19.02	19.02	19.02	21.02	21.02		
	Frequency (MHz)	1	54	19.02	19.02	19.02	21.02	21.02	23.0	0.0
	Channel			18.92	18.92	18.92	21.00	21.00		
	Frequency (MHz)	1	214	18.92	18.92	18.92	21.00	21.00	23.0	0.0
	Channel			18.82	18.82	18.82	20.98	20.98		
	Frequency (MHz)	1	54	18.82	18.82	18.82	20.98	20.98	23.0	0.0
	Channel			18.72	18.72	18.72	20.96	20.96		
	Frequency (MHz)	1	214	18.72	18.72	18.72	20.96	20.96	23.0	0.0
	Channel			18.62	18.62	18.62	20.94	20.94		
	Frequency (MHz)	1	54	18.62	18.62	18.62	20.94	20.94	23.0	0.0
40	Channel			18.52	18.52	18.52	20.92	20.92		
	Frequency (MHz)	1	214	18.52	18.52	18.52	20.92	20.92	23.0	0.0
	Channel			18.42	18.42	18.42	20.90	20.90		
	Frequency (MHz)	1	54	18.42	18.42	18.42	20.90	20.90	23.0	0.0
	Channel			18.32	18.32	18.32	20.88	20.88		
	Frequency (MHz)	1	214	18.32	18.32	18.32	20.88	20.88	23.0	0.0
	Channel			18.22	18.22	18.22	20.86	20.86		
	Frequency (MHz)	1	54	18.22	18.22	18.22	20.86	20.86	23.0	0.0
	Channel			18.12	18.12	18.12	20.84	20.84		
	Frequency (MHz)	1	214	18.12	18.12	18.12	20.84	20.84	23.0	0.0

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SV (MHz)	Mutational	RF SW	RF Offset	Power Low Ch. (mW)	Power Mid Ch. (mW)	Power High Ch. (mW)	Turn-up time (s)	SWR	SWR (dB)
Channel									
				166000	166000	171000			
Frequency (MHz)									
20	HF2 HF3	1	1	24.03	23.49	23.94			
20	HF2 HF3	1	50	24.04	23.97	23.91	26.5	6.9	
20	HF2 HF3	50	100	23.96	23.94	23.91			
20	HF2 HF3	50	0	23.39	23.41	23.48	23.4	0.8	
20	HF2 HF3	50	50	23.48	23.50	23.54			
20	HF2 HF3	50	90	23.43	23.49	23.47			
20	HF2 HF3	100	0	23.37	23.45	23.26			
20	HF2 HF3	100	50	23.47	23.48	23.47			
20	QHF3	1	50	23.97	23.98	23.91	25.0	0.0	
20	QHF3	50	100	23.97	23.98	23.91			
20	QHF3	50	0	22.85	22.91	22.83	24.8	1.6	
20	QHF3	50	20	22.86	23.05	22.81	25.0	5.0	
20	QHF3	50	20	22.81	22.98	22.81	24.9	1.0	
20	QHF3	100	0	22.96	22.98	22.96	24.9	1.0	
20	QHF3	100	50	22.13	22.15	22.15	25.0	0.0	
20	SAGH4	1	0	21.50	21.50	21.32	22.5	2.5	
20	S2GH4	1	1	19.54	19.50	19.55	20.5	4.5	
Channel									
10	QHF3	1	50	82.15	81.13	84.15			
Frequency (MHz)									
10	QHF3	1	50	82.15	81.13	84.15			
Channel									
10	QHF3	1	50	166000	166000	166000			
Frequency (MHz)									
10	QHF3	1	50	166100	166100	166100			
10	QHF3	1	50	21.38	21.35	21.34	29.0	0.9	
Channel									
10	QHF3	1	50	166300	166300	166300			
Frequency (MHz)									
5	QHF3	1	1	24.38	24.34	23.95	25.0	0.5	



n26_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. 163840]	Power Media Ch. [Frac. 163840]	Power High Ch. [Frac. 163840]	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PIC2 BPSK	1	1	23.70	23.78	23.67			
20	PIC2 BPSK	1	53	23.63	23.65	23.65	25.0	0.0	
20	PIC2 BPSK	1	104	23.55	23.64	23.53			
20	PIC2 BPSK	50	0	23.07	23.15	23.09	24.5	0.0	
20	PIC2 BPSK	50	26	23.06	23.09	23.09	25.0	0.0	
20	PIC2 BPSK	50	56	23.34	23.25	23.15	24.5	0.0	
20	PIC2 BPSK	100	0	23.09	23.20	23.12			
20	QPSK	1	1	23.71	23.63	23.71			
20	QPSK	1	53	23.69	23.71	23.62	25.0	0.0	
20	QPSK	1	104	23.64	23.64	23.62			
20	QPSK	50	0	22.59	22.67	22.64	24.0	1.0	
20	QPSK	50	26	22.59	22.69	22.59	25.0	0.0	
20	QPSK	50	56	22.59	22.72	22.64	24.0	1.0	
20	QPSK	100	0	22.59	22.65	22.59			
20	16QAM	1	1	23.71	23.61	23.69	24.0	1.0	
20	16QAM	1	1	23.29	23.40	23.39	22.5	2.5	
20	256QAM	1	1	19.24	19.32	19.26	20.5	4.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.07	23.09	23.12	25.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.70	23.78	23.67			
Channel									
Frequency [MHz]									
5	QPSK	1	1	23.71	23.72	23.71	25.0	0.0	

n66_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. 348608]	Power Media Ch. [Frac. 348608]	Power High Ch. [Frac. 348608]	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PIC2 BPSK	1	1	18.94	19.07	18.99			
40	PIC2 BPSK	1	104	18.89	18.98	18.94	20.0	0.0	
40	PIC2 BPSK	1	214	18.82	18.94	18.91			
40	PIC2 BPSK	100	0	18.85	18.86	18.79	20.0	0.0	
40	PIC2 BPSK	100	54	18.90	18.90	18.85	20.0	0.0	
40	PIC2 BPSK	100	108	18.89	18.85	18.77	20.0	0.0	
40	PIC2 BPSK	210	0	18.90	18.95	18.84			
40	QPSK	1	1	19.02	19.10	19.05	20.0	0.0	
40	QPSK	1	108	18.92	19.08	18.97	20.0	0.0	
40	QPSK	1	214	18.92	19.02	18.91			
40	QPSK	100	0	18.90	18.95	18.89	20.0	0.0	
40	QPSK	100	54	18.91	19.04	18.97	20.0	0.0	
40	QPSK	100	108	18.97	19.07	18.97	20.0	0.0	
40	QPSK	210	0	18.95	19.00	18.93			
40	16QAM	1	1	19.07	19.09	19.04	20.0	0.0	
40	16QAM	1	1	18.56	18.67	18.60	20.0	0.0	
40	256QAM	1	1	16.91	16.93	16.95	20.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.27	17.45	17.42			
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.26	17.45	17.46			
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.97	19.01	18.95	20.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	16.98	16.99	16.97	20.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	16.91	16.96	16.93	20.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.94	16.93	16.90	20.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	17.13	17.43	17.25			
Channel									
Frequency [MHz]									
5	QPSK	1	1	16.94	16.94	16.93	20.0	0.0	

n66_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. 348608]	Power Media Ch. [Frac. 348608]	Power High Ch. [Frac. 348608]	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PIC2 BPSK	1	1	18.38	18.52	18.44			
40	PIC2 BPSK	1	104	18.29	18.38	18.33	19.5	0.0	
40	PIC2 BPSK	1	214	18.35	18.35	18.42			
40	PIC2 BPSK	100	0	18.30	18.34	18.30	18.0	0.0	
40	PIC2 BPSK	100	54	18.37	18.42	18.34	18.0	0.0	
40	PIC2 BPSK	100	108	18.30	18.32	18.28	18.0	0.0	
40	PIC2 BPSK	210	0	18.24	18.33	18.28			
40	QPSK	1	1	18.43	18.53	18.31			
40	QPSK	1	108	18.32	18.49	18.42	19.5	0.0	
40	QPSK	1	214	18.42	18.49	18.46			
40	QPSK	100	0	18.31	18.43	18.38	18.0	0.0	
40	QPSK	100	54	18.30	18.42	18.40	18.0	0.0	
40	QPSK	100	108	18.33	18.42	18.33	18.0	0.0	
40	QPSK	210	0	18.28	18.41	18.35			
40	16QAM	1	1	18.40	18.40	18.34	18.0	0.0	
40	16QAM	1	1	18.35	18.35	18.34	18.0	0.0	
40	256QAM	1	1	18.29	18.41	18.35	18.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.27	17.45	17.42			
30	QPSK	1	1	17.26	17.45	17.46			
30	QPSK	1	1	17.23	17.41	17.39			
30	QPSK	1	1	17.24	17.41	17.40			
30	QPSK	1	1	17.25	17.41	17.42			
30	QPSK	1	1	17.26	17.41	17.42			
30	QPSK	1	1	17.27	17.41	17.42			
30	QPSK	1	1	17.28	17.41	17.42			
30	QPSK	1	1	17.29	17.41	17.42			
30	QPSK	1	1	17.30	17.41	17.42			
30	QPSK	1	1	17.31	17.41	17.42			
30	QPSK	1	1	17.32	17.41	17.42			
30	QPSK	1	1	17.33	17.41	17.42			
30	QPSK	1	1	17.34	17.41	17.42			
30	QPSK	1	1	17.35	17.41	17.42			
30	QPSK	1	1	17.36	17.41	17.42			
30	QPSK	1	1	17.37	17.41	17.42			
30	QPSK	1	1	17.38	17.41	17.42			
30	QPSK	1	1	17.39	17.41	17.42			
30	QPSK	1	1	17.40	17.41	17.42			
30	QPSK	1	1	17.41	17.41	17.42			
30	QPSK	1	1	17.42	17.41	17.42			
30	QPSK	1	1	17.43	17.41	17.42			
30	QPSK	1	1	17.44	17.41	17.42			
30	QPSK	1	1	17.45	17.41	17.42			
30	QPSK	1	1	17.46	17.41	17.42			
30	QPSK	1	1	17.47	17.41	17.42			
30	QPSK	1	1	17.48	17.41	17.42			
30	QPSK	1	1	17.49	17.41	17.42			
30	QPSK	1	1	17.50	17.41	17.42			
30	QPSK	1	1	17.51	17.41	17.42			
30	QPSK	1	1	17.52	17.41	17.42			
30	QPSK	1	1	17.53	17.41	17.42			
30	QPSK	1	1	17.54	17.41	17.42			
30	QPSK	1	1	17.55	17.41	17.42			
30	QPSK	1	1	17.56	17.41	17.42			
30	QPSK	1	1	17.57	17.41	17.42			
30	QPSK	1	1	17.58	17.41	17.42			
30	QPSK	1	1	17.59	17.41	17.42			
30	QPSK	1	1	17.60	17.41	17.42			
30	QPSK	1	1	17.61	17.41	17.42			
30	QPSK	1	1	17.62	17.41	17.42			
30	QPSK	1	1	17.63	17.41	17.42			
30	QPSK	1	1	17.64	17.41	17.42			
30	QPSK	1	1	17.65	17.41	17.42			
30	QPSK	1	1	17.66	17.41	17.42			
30	QPSK	1	1	17.67	17.41	17.42			
30	QPSK	1	1	17.68	17.41	17.42			
30	QPSK	1	1	17.69	17.41	17.42			
30	QPSK	1	1	17.70	17.41	17.42			
30	QPSK	1	1	17.71	17.41	17.42			
30	QPSK	1	1	17.72	17.41	17.42			
30	QPSK	1	1	17.73	17.41	17.42			
30	QPSK	1	1	17.74	17.41	17.42			
30	QPSK	1	1	17.75	17.41	17.42			
30	QPSK	1	1	17.76	17.41	17.42			
30	QPSK	1	1	17.77	17.41	17.42			
30	QPSK	1	1	17.78	17.41	17.42			
30	QPSK	1	1	17.79	17.41	17.42			
30	QPSK	1	1	17.80	17.41	17.42			
30	QPSK	1	1	17.81	17.41	17.42			
30	QPSK	1	1	17.82	17.41	17.42			
30	QPSK	1	1	17.83	17.41	17.42			
30	QPSK	1	1	17.84	17.41	17.42			
30	QPSK	1	1	17.85	17.41	17.42			
30	QPSK	1	1	17.86	17.41	17.42			
30	QPSK	1	1	17.87	17.41	17.42			
30	QPSK	1	1	17.88	17.41	17.42			
30	QPSK	1	1	17.89	17.41	17.42			
30	QPSK	1	1	17.90	17.41	17.42			
30	QPSK	1	1	17.91	17.41	17.42			
30	QPSK	1	1	17.92	17.41	17.42			
30	QPSK	1	1	17.93	17.41	17.42			
30	QPSK	1	1	17.94	17.41	17.42			
30	QPSK	1	1	17.95	17.41	17.42			
30	QPSK	1	1	17.96	17.41	17.42			
30	QPSK	1	1	17.97	17.41	17.42			
30	QPSK	1	1	17.98	17.41	17.42			
30	QPSK	1	1	17.99	17.41	17.42			
30	QPSK	1	1	18.00	17.41	17.42			
30	QPSK	1	1	18.01	17.41	17.42			
30	QPSK	1	1	18.02	17.41	17.42			
30	QPSK	1	1	18.03	17.41	17.42			
30	QPSK	1	1	18.04	17.41	17.42			
30	QPSK	1	1	18.05	17.41	17.42			
30	QPSK	1	1	18.06	17.41	17.42			
30	QPSK	1	1	18.07	17.41	17.42			
30	QPSK	1	1	18.08	17.41	17.42			
30	QPSK	1	1	18.09	17.41	17.42			
30	QPSK	1	1	18.10	17.41	17.42			
30	QPSK	1	1	18.11	17.41	17.42			
30	QPSK	1	1	18.12	17.41	17.42			
30	QPSK	1	1	18.13	17.41	17.42			
30	QPSK	1	1	18.14	17.41	17.42			
30	QPSK	1	1	18.15	17.41	17.42			
30	QPSK	1	1	18.16	17.41	17.42			
30	QPSK	1	1	18.17	17.41	17.42			
30	QPSK	1	1	18.18	17.41	17.42			
30	QPSK	1	1	18.19	17.41	17.42			
30	QPSK	1	1	18.20	17.41	17.42			
30	QPSK	1	1	18.21	17.41	17.42			
30	QPSK	1	1	18.22	17.41	17.42			
30	QPSK	1	1	18.23	17.41	17.42			
30	QPSK	1	1	18.24	17.41	17.42			
30	QPSK	1	1	18.25	17.41	17.42			
30	QPSK	1	1	18.26	17.41	17.42			
30	QPSK	1	1	18.27	17.41	17.42			
30	QPSK	1	1	18.28	17.41	17.42			
30	QPSK	1	1	18.29	17.41	17.42			
30	QPSK	1	1	18.30	17.41	17.42			
30	QPSK	1	1	18.31	17.41	17.42			
30	QPSK	1	1	18.32	17.41	17.42			
30	QPSK	1	1	18.33	17.41	17.42			
30	QPSK	1	1	18.34	17.41	17.42			
30	QPSK	1	1	18.35	17.41	17.42			
30	QPSK	1	1	18.36	17.41	17.42			
30	QPSK	1	1	18.37	17.41	17.42			
30	QPSK	1	1	18.38	17.41	17.42			
30	QPSK	1	1	18.39	17.41	17.42			
30	QPSK	1	1	18.40	17.41	17.42			
30	QPSK	1	1	18.41	17.41	17.42			
30	QPSK	1	1	18.42	17.41	17.42			
30	QPSK	1	1	18.43	17.41	17.42			
30	QPSK	1	1	18.44	17.41	17.42			
30	QPSK	1	1	18.45	17.41	17.42			
30	QPSK	1	1	18.46	17.41	17.42			
30	QPSK	1	1	18.47	17.41	17.42			
30	QPSK	1	1	18.48	17.41	17.42			
30	QPSK	1	1	18.49	17.41	17.42			
30	QPSK	1	1	18.50	17.41	17.42			
30	QPSK	1	1	18.51	17.41	17.42			
30	QPSK	1	1	18.52	17.41	17.42			
30	QPSK	1	1	18.53	17.41	17.42			
30	QPSK	1	1	18.54	17.41	17.42			
30	QPSK	1	1	18.55	17.41	17.42			
30	QPSK	1	1	18.56	17.41	17.42			
30	QPSK	1	1	18.57	17.41	17.42			
30	QPSK	1	1	18.58	17.41	17.42			
30	QPSK	1	1	18.59	17.41	17.42			
30	QPSK	1	1	18.60	17.41	17.42			
30	QPSK	1	1	18.61	17.41	17.42			
30	QPSK	1	1	18.62	17.41	17.42			
30	QPSK	1	1	18.63	17.41	17.42			
30	QPSK	1	1	18.64	17.41	17.42			
30	QPSK	1	1	18.65	17.41	17.42			
30	QPSK	1	1	18.66	17.41	17.42			
30	QPSK	1	1	18.67	17.41	17.42			
30	QPSK	1	1	18.68	17.41	17.42			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac. 348608]	Power Media Ch. [Frac. 348608]	Power High Ch. [Frac. 348608]	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PIC2 BPSK	1	1	20.83	20.91	20.74			
40	PIC2 BPSK	1	108	20.82	20.72	20.75	22.0	0.0	
40	PIC2 BPSK	1	214	20.80	20.82	20.81	22.0	0.0	
40	PIC2 BPSK	100	0	20.84	20.81	20.81	22.0	0.0	
40	PIC2 BPSK	100	54	20.84	20.79	20.82	22.0	0.0	
40	PIC2 BPSK	100	108	20.87	20.75	20.58	22.0	0.0	
40	PIC2 BPSK	210	0	20.85	20.67	20.58			
40	QPSK	1	1	20.71	20.82	20.80	22.0	0.0	
40	QPSK	1	108	20.81	20.73	20.78	22.0	0.0	
40	QPSK	1	214	20.83	20.77	20.80			
40	QPSK	100	0	20.85	20.70	20.64	20.0	0.0	
40	QPSK	100	54	20.88	20.59	20.60	20.0	0.0	
40	QPSK	100	108	20.84	20.77	20.68	20.0	0.0	
40	QPSK	210	0	20.83	20.73	20.67			
40	16QAM	1	1	20.87	20.68	20.65	20.0	0.0	
40	16QAM	1	1	20.84	20.71	20.68	20.0	0.0	
40	28QAM	1	1	18.80	18.81	18.81	20.0	2.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	34.6500	34.6500	34.6500			MPR
15	QPSK	1	1	34.6500	34.6500	34.6500			MPR
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	
15	QPSK	1	1	20.89	20.78	20.79	22.0	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	18.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	17.24	17.34	17.32	18.5	0.0	
40	PI2 BPSK	1	53	17.31	17.44	17.34			
40	PI2 BPSK	1	104	17.29	17.30	17.29	18.5	0.0	
40	PI2 BPSK	50	0	17.35	17.34	17.30			
40	PI2 BPSK	50	28	17.33	17.42	17.32	18.5	0.0	
40	PI2 BPSK	50	56	17.30	17.35	17.28			
40	PI2 BPSK	100	0	17.29	17.40	17.29	18.5	0.0	
40	QPSK	1	1	17.45	17.45	17.45			
40	QPSK	1	53	17.26	17.30	17.30	18.5	0.0	
40	QPSK	1	104	17.34	17.38	17.40			
40	QPSK	50	0	17.36	17.35	17.30	18.5	0.0	
40	QPSK	50	28	17.35	17.40	17.33			
40	QPSK	50	56	17.28	17.37	17.30	18.5	0.0	
40	QPSK	100	0	17.28	17.33	17.30			
40	16QAM	1	1	17.35	17.44	17.29	18.5	0.0	
40	64QAM	1	1	17.26	17.35	17.35			
40	256QAM	1	1	17.27	17.38	17.35	18.5	0.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.24	17.37	17.29	18.5	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.30	17.33	17.28	18.5	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.31	17.35	17.32	18.5	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.31	17.34	17.30	18.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	15.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	13.89	13.92	13.91	15.0	0.0	
40	PI2 BPSK	1	53	13.85	13.95	13.95			
40	PI2 BPSK	1	104	13.91	13.90	13.94	15.0	0.0	
40	PI2 BPSK	50	0	13.80	13.97	13.92			
40	PI2 BPSK	50	28	13.83	13.94	13.94	15.0	0.0	
40	PI2 BPSK	50	56	13.91	13.91	13.92			
40	PI2 BPSK	100	0	13.86	13.93	13.90	15.0	0.0	
40	QPSK	1	1	13.95	14.04	13.95			
40	QPSK	1	53	13.88	13.99	13.96	15.0	0.0	
40	QPSK	1	104	13.80	13.90	13.83			
40	QPSK	50	0	13.81	13.93	13.95	15.0	0.0	
40	QPSK	50	28	13.91	13.98	13.95			
40	QPSK	50	56	13.81	13.88	13.89	15.0	0.0	
40	QPSK	100	0	13.85	13.95	13.94			
40	16QAM	1	1	13.81	13.91	13.83	15.0	0.0	
40	64QAM	1	1	13.83	13.95	13.87			
40	256QAM	1	1	13.84	13.93	13.83	15.0	0.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.84	13.95	13.93	15.0	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.80	13.92	13.83	15.0	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.84	13.94	13.93	15.0	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.82	13.90	13.86	15.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.83	22.96	22.82	24.0	0.0	
40	PI2 BPSK	1	53	22.86	22.86	22.85			
40	PI2 BPSK	1	104	22.93	22.90	22.88	24.0	0.0	
40	PI2 BPSK	50	0	22.92	22.93	22.91			
40	PI2 BPSK	50	28	22.90	22.95	22.78	24.0	0.0	
40	PI2 BPSK	50	56	22.87	22.86	22.88			
40	PI2 BPSK	100	0	22.93	22.94	22.93	24.0	0.0	
40	QPSK	1	1	22.95	23.00	22.94			
40	QPSK	1	53	22.91	22.90	22.90	24.0	0.0	
40	QPSK	1	104	22.92	22.96	22.89			
40	QPSK	50	0	22.25	22.20	22.25	23.5	0.5	
40	QPSK	50	28	22.63	22.65	22.61			
40	QPSK	50	56	22.29	22.34	22.25	23.5	0.5	
40	QPSK	100	0	22.22	22.28	22.21			
40	16QAM	1	1	22.30	22.28	22.21	23.5	0.5	
40	64QAM	1	1	20.81	20.78	20.75			
40	256QAM	1	1	18.76	18.81	18.74	20.0	4.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.92	22.94	22.90	24.0	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.86	22.94	22.84	24.0	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.82	22.96	22.81	24.0	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.85	22.87	22.79	24.0	0.0	

FCC_n41_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5050.02	5185.98	5260.00			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	17.99	17.98	17.95			
100	P22 BPSK	1	137	17.89	17.98	17.89	19.0	0.0	
100	P22 BPSK	1	271	17.86	17.90	17.84			
100	P22 BPSK	135	0	17.87	17.95	17.84	19.0	0.0	
100	P22 BPSK	135	69	17.87	17.88	17.82	19.0	0.0	
100	P22 BPSK	135	138	17.82	17.89	17.94	19.0	0.0	
100	P22 BPSK	270	0	17.98	17.97	17.93			
100	QPSK	1	1	17.93	17.94	17.95			
100	QPSK	1	137	17.91	17.97	17.95	19.0	0.0	
100	QPSK	1	271	17.94	18.00	17.94			
100	QPSK	135	0	17.87	17.95	17.91	19.0	0.0	
100	QPSK	135	69	17.91	17.95	17.94	19.0	0.0	
100	QPSK	135	138	17.85	17.93	17.90	19.0	0.0	
100	QPSK	270	0	17.98	17.99	17.90			
100	16QAM	1	1	17.95	17.91	17.88	19.0	0.0	
100	64QAM	1	1	17.96	17.91	17.85	19.0	0.0	
100	256QAM	1	1	17.98	17.95	17.88	19.0	0.0	
Channel				5060.00	5185.98	5269.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2547	2592.99	2644.98			
90	QPSK	1	1	17.80	17.85	17.83	19.0	0.0	
Channel				507204	5185.98	5209.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.94	17.91	17.88	19.0	0.0	
Channel				507204	5185.98	5209.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.93	18.00	17.94	19.0	0.0	
Channel				505000	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	17.97	17.94	17.84	19.0	0.0	
Channel				504204	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.90	17.93	17.83	19.0	0.0	
Channel				503202	5185.98	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.94	17.96	17.83	19.0	0.0	
Channel				502200	5185.98	5359.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.94	17.94	17.83	19.0	0.0	
Channel				501204	5185.98	5359.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.95	17.93	17.85	19.0	0.0	
Channel				500700	5185.98	5364.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.94	17.97	17.86	19.0	0.0	
Channel				500202	5185.98	5370.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.87	18.00	17.84	19.0	0.0	

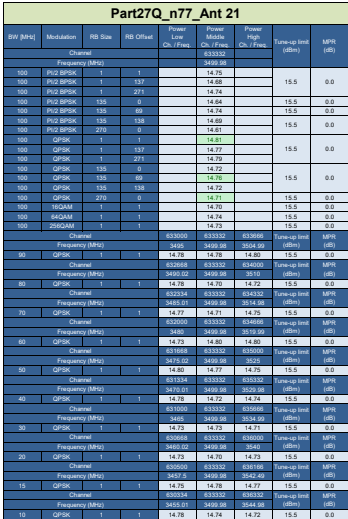
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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5050.02	5185.98	5260.00			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	13.99	14.02	13.99			
100	P22 BPSK	1	137	13.97	14.02	14.01	15.0	0.0	
100	P22 BPSK	1	271	13.93	14.03	13.94			
100	P22 BPSK	135	0	13.93	14.04	14.00	15.0	0.0	
100	P22 BPSK	135	69	13.97	14.06	14.00	15.0	0.0	
100	P22 BPSK	135	138	14.01	14.06	13.91	15.0	0.0	
100	P22 BPSK	270	0	13.96	13.99	13.92			
100	QPSK	1	1	14.00	14.10	14.05			
100	QPSK	1	137	13.98	13.98	14.02	15.0	0.0	
100	QPSK	1	271	13.92	13.97	13.91			
100	QPSK	135	0	14.00	13.95	13.99	15.0	0.0	
100	QPSK	135	69	14.01	14.05	14.01	15.0	0.0	
100	QPSK	135	138	13.94	13.99	13.90	15.0	0.0	
100	QPSK	270	0	13.92	14.01	13.92			
100	16QAM	1	1	14.00	14.01	13.95	15.0	0.0	
100	64QAM	1	1	13.99	13.98	14.02	15.0	0.0	
100	256QAM	1	1	14.01	14.03	13.91	15.0	0.0	
Channel				5060.00	5185.98	5269.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2547	2592.99	2644.98			
90	QPSK	1	1	14.00	13.95	13.99	15.0	0.0	
Channel				507204	5185.98	5209.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	14.03	14.05	13.99	15.0	0.0	
Channel				507204	5185.98	5209.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	14.02	14.04	13.98	15.0	0.0	
Channel				505000	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	14.04	13.99	13.90	15.0	0.0	
Channel				504204	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	13.97	14.03	13.92	15.0	0.0	
Channel				503202	5185.98	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	14.03	14.04	13.93	15.0	0.0	
Channel				502200	5185.98	5359.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	13.97	13.94	13.99	15.0	0.0	
Channel				501204	5185.98	5359.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	13.98	14.05	14.01	15.0	0.0	
Channel				500700	5185.98	5364.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	14.02	14.02	13.95	15.0	0.0	
Channel				500202	5185.98	5370.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	14.00	13.96	13.91	15.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5050.02	5185.98	5260.00			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	21.74	21.85	21.77			
100	P22 BPSK	1	137	21.79	21.86	21.82	23.0	0.0	
100	P22 BPSK	1	271	21.77	21.83	21.78			
100	P22 BPSK	135	0	21.85	21.83	21.84	23.0	0.0	
100	P22 BPSK	135	69	21.77	21.80	21.78	23.0	0.0	
100	P22 BPSK	135	138	21.83	21.81	21.75	23.0	0.0	
100	P22 BPSK	270	0	21.81	21.87	21.73			
100	QPSK	1	1	21.85	21.85	21.88			
100	QPSK	1	137	21.86	21.90	21.73	23.0	0.0	
100	QPSK	1	271	21.78	21.83	21.79			
100	QPSK	135	0	21.75	21.83	21.74	23.0	0.0	
100	QPSK	135	69	21.88	21.80	21.75	23.0	0.0	
100	QPSK	135	138	21.81	21.85	21.72	23.0	0.0	
100	QPSK	270	0	21.75	21.88	21.74	23.0	0.0	
100	16QAM	1	1	21.82	21.81	21.77			
100	64QAM	1	1	21.22	21.26	21.20	22.5	0.5	
100	256QAM	1	1	19.26	19.25	19.25	20.5	2.5	
Channel				5050.00	5185.99	5259.98			
Frequency (MHz)				2546.01	2592.98	2639.99			
90	QPSK	1	1	21.84	21.87	21.78	23.0	0.0	
Channel				5072.04	5185.98	5259.98			
Frequency (MHz)				2572.04	2592.99	2639.99			
80	QPSK	1	1	21.74	21.80	21.75	23.0	0.0	
Channel				5050.02	5185.98	5310.00			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.80	21.84	21.73	23.0	0.0	
Channel				5050.02	5185.98	5310.00			
Frequency (MHz)				2536	2592.99	2659.98			
60	QPSK	1	1	21.80	21.84	21.82	23.0	0.0	
Channel				5050.02	5185.98	5309.98			
Frequency (MHz)				2532.02	2592.99	2664.99			
50	QPSK	1	1	21.82	21.81	21.80	23.0	0.0	
Channel				5050.02	5185.98	5340.00			
Frequency (MHz)				2534.04	2592.99	2670			
40	QPSK	1	1	21.75	21.81	21.74	23.0	0.0	
Channel				5052.00	5185.98	5349.96			
Frequency (MHz)				2531.01	2592.99	2674.98			
30	QPSK	1	1	21.80	21.83	21.74	23.0	0.0	
Channel				5012.04	5185.98	5369.98			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.85	21.80	21.74	23.0	0.0	
Channel				5050.02	5185.98	5369.98			
Frequency (MHz)				2503.03	2592.99	2682.48			
15	QPSK	1	1	21.75	21.91	21.74	23.0	0.0	
Channel				5050.02	5185.98	5370.00			
Frequency (MHz)				2502.02	2592.99	2685			
10	QPSK	1	1	21.85	21.84	21.80	23.0	0.0	

Part27Q_n77_Ant 11											
SW [MHz]	Modulation	RF Size	RF Offset	Power Lvl Ch./F.Freq.	Power Mdn Ch./F.Freq.	Power Hgt Ch./F.Freq.	Turnup time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	15.48	15.29	15.54	16.5	0.0			
100	P12 BPSK	1	137	15.45	15.22	15.55					
100	P12 BPSK	1	271	15.43	15.21	15.58	16.5	0.0			
100	P12 BPSK	135	5	15.35	15.14	15.54					
100	P12 BPSK	135	86	15.41	15.15	15.55	16.5	0.0			
100	P12 BPSK	135	138	15.37	15.31	15.15	14.05	16.5	0.0		
100	P12 BPSK	270	5	15.35	15.12	15.55	16.5	0.0			
100	QPSK	1	1	15.48	15.32	15.15					
100	QPSK	1	137	15.45	15.28	15.11	16.5	0.0			
100	QPSK	1	271	15.35	15.22	15.15	16.5	0.0			
100	QPSK	135	5	15.38	15.19	15.05					
100	QPSK	135	86	15.43	15.15	15.15	16.5	0.0			
100	QPSK	135	138	15.45	15.33	15.20	15.05	16.5	0.0		
100	QPSK	270	5	15.35	15.12	15.05	16.5	16.5	0.0		
100	84QAM	1	1	15.38	15.12	15.02	16.5	16.5	0.0		
100	84QAM	1	1	15.33	15.15	15.05		16.5	0.0		
Channel											
Frequency (MHz)				63000	63032	63066	Turn-up time	MFR			
Frequency (MHz)				63066	63032	63005	Turn-up time	MFR			
Channel											
Frequency (MHz)											
50	QPSK	1	1	15.51	15.41	15.55	0.0	16.5	0.0		
50	QPSK	1	271	15.45	15.35	15.55					
Channel											
Frequency (MHz)											
80	QPSK	1	1	15.48	15.45	15.45	16.5	16.5	0.0		
Channel											
Frequency (MHz)											
70	QPSK	1	1	15.50	15.44	15.45	16.5	16.5	0.0		
Channel											
Frequency (MHz)											
60	QPSK	1	1	15.47	15.44	15.45	16.5	16.5	0.0		
Channel											
Frequency (MHz)											
50	QPSK	1	1	15.45	15.41	15.45	16.5	16.5	0.0		
Channel											
Frequency (MHz)											
40	QPSK	1	1	15.43	15.49	15.44	16.5	16.5	0.0		
Channel											
Frequency (MHz)											
30	QPSK	1	1	15.44	15.47	15.42	16.5	16.5	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	15.42	15.47	15.50	16.5	16.5	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	15.41	15.44	15.50	16.5	16.5	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	15.45	15.43	15.45	16.5	16.5	0.0		

Part27O_n77_Ant 11															
SW [MHz]	Modulation	RF Size	RF Offset	Power Lvl Ch./F.Freq.	Power Mdn Ch./F.Freq.	Power Hgt Ch./F.Freq.	Turn-up time (min)	MFR (dB)							
Channel															
Frequency (MHz)															
100	P12 BPSK	1	1	15.48	15.29	15.54		16.5	0.0						
100	P12 BPSK	1	137	15.38	15.22	15.55									
100	P12 BPSK	1	271	15.33	15.21	15.58		16.5	0.0						
100	P12 BPSK	135	5	15.35	15.14	15.54	16.5	16.5	0.0						
100	P12 BPSK	135	86	15.39	15.15	15.55	16.5	16.5	0.0						
100	P12 BPSK	135	138	15.31	15.15	14.05	16.5	16.5	0.0						
100	P12 BPSK	270	5	15.35	15.12	15.55		16.5	0.0						
100	QPSK	1	1	15.51	15.32	15.15									
100	QPSK	1	137	15.45	15.28	15.11		16.5	0.0						
100	QPSK	1	271	15.35	15.22	15.15		16.5	0.0						
100	QPSK	135	5	15.39	15.19	15.05									
100	QPSK	135	86	15.43	15.15	15.15		16.5	0.0						
100	QPSK	135	138	15.33	15.20	15.05	16.5	16.5	0.0						
100	QPSK	270	5	15.35	15.12	15.05	16.5	16.5	0.0						
100	84QAM	1	1	15.39	15.15	15.05	16.5	16.5	0.0						
100	84QAM	1	1	15.41	15.12	15.02	16.5	16.5	0.0						
100	84QAM	1	1	15.35	15.22	15.11	16.5	16.5	0.0						
Channel															
63586	83586	83532	Turn-up time	MFR											
63532	83586	83405	Turn-up time	MFR											
Channel															
Frequency (MHz)															
50	QPSK	1	1	15.54	15.15	15.55	0.0	16.5	0.0						
50	QPSK	1	271	15.41	15.35	15.55									
Channel															
Frequency (MHz)															
80	QPSK	1	1	15.36	15.14	15.15	16.5	16.5	0.0						
Channel															
Frequency (MHz)															
70	QPSK	1	1	15.39	15.21	15.05	16.5	16.5	0.0						
Channel															
Frequency (MHz)															
60	QPSK	1	1	15.41	15.15	15.05	16.5	16.5	0.0						
Channel															
Frequency (MHz)															
50	QPSK	1	1	15.38	15.15	15.15	16.5	16.5	0.0						
Channel															
Frequency (MHz)															
40	QPSK	1	1	15.41	15.22	15.15	16.5	16.5	0.0						
Channel															
Frequency (MHz)															
30	QPSK	1	1	15.36	15.12	15.02	16.5	16.5	0.0						
Channel															
Frequency (MHz)															
20	QPSK	1	1	15.33	15.12	15.04	16.5	16.5	0.0						
Channel															
Frequency (MHz)															
15	QPSK	1	1	15.39	15.15	15.05	16.5	16.5	0.0						
Channel															
Frequency (MHz)															
10	QPSK	1	1	15.36	15.17	15.05	16.5	16.5	0.0						

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SW [MHz]	Modulation	RF Size	RF Offset	Power Lvl Ch./F.Freq.	Power Mdn Ch./F.Freq.	Power Hgt Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	17.27			18.0	0.0	
100	P12 BPSK	1	137	17.25					
100	P12 BPSK	1	271	17.25			18.0	0.0	
100	P12 BPSK	135	5	17.25					
100	P12 BPSK	135	86	17.25			18.0	0.0	
100	P12 BPSK	135	138	17.32			18.0	0.0	
100	P12 BPSK	270	5	17.25			18.0	0.0	
100	QPSK	1	1	17.37					
100	QPSK	1	137	17.37			18.0	0.0	
100	QPSK	1	271	17.25			18.0	0.0	
100	QPSK	135	5	17.32					
100	QPSK	135	86	17.37			18.0	0.0	
100	QPSK	135	138	17.35			18.0	0.0	
100	QPSK	270	5	17.25			18.0	0.0	
100	16QAM	1	1	17.25			18.0	0.0	
100	84QAM	1	1	17.28			18.0	0.0	
100	84QAM	1	1	17.33			18.0	0.0	
Channel									
Frequency (MHz)									
63500	83532	83586	Turn-up time	MFR					
63586	83532	83405	Turn-up time						
50	QPSK	1	1	17.25	17.25	17.37	18.0	0.0	
Channel									
Frequency (MHz)									
63500	83532	83405	Turn-up time	MFR					
63586	83532	83586	Turn-up time						
80	QPSK	1	1	17.24	17.25	17.35	18.0	0.0	
Channel									
Frequency (MHz)									
63234	83532	83432	Turn-up time	MFR					
63432	83532	83532	Turn-up time						
70	QPSK	1	1	17.32	17.28	17.36	18.0	0.0	
Channel									
Frequency (MHz)									
63500	83532	83456	Turn-up time	MFR					
63500	83532	83532	Turn-up time						
80	QPSK	1	1	17.32	17.30	17.36	18.0	0.0	
Channel									
Frequency (MHz)									
63432	83532	83532	Turn-up time	MFR					
63532	83532	83532	Turn-up time						
50	QPSK	1	1	17.34	17.30	17.31	18.0	0.0	
Channel									
Frequency (MHz)									
63100	83532	83532	Turn-up time	MFR					
63100	83532	83532	Turn-up time						
40	QPSK	1	1	17.28	17.28	17.35	18.0	0.0	
Channel									
Frequency (MHz)									
63456	83532	83532	Turn-up time	MFR					
63456	83532	83532	Turn-up time						
30	QPSK	1	1	17.22	17.22	17.30	18.0	0.0	
Channel									
Frequency (MHz)									
63100	83532	83516	Turn-up time	MFR					
63100	83532	83516	Turn-up time						
15	QPSK	1	1	17.26	17.26	17.33	18.0	0.0	
Channel									
Frequency (MHz)									
63024	83532	83632	Turn-up time	MFR					
63024	83532	83632	Turn-up time						
10	QPSK	1	1	17.30	17.25	17.30	18.0	0.0	

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Part27Q_n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.08			17.5	0.0	
100	P12 BPSK	1	137	18.03					
100	P12 BPSK	1	271	18.04					
100	P12 BPSK	135	5	18.05			17.5	0.0	
100	P12 BPSK	135	89	18.06			17.5	0.0	
100	P12 BPSK	135	138	18.08			17.5	0.0	
100	P12 BPSK	271	5	18.02					
100	QPSK	1	1	18.11					
100	QPSK	1	137	18.01			17.5	0.0	
100	QPSK	1	271	18.02					
100	QPSK	135	5	18.08			17.5	0.0	
100	QPSK	135	89	18.02			17.5	0.0	
100	QPSK	135	138	18.05			17.5	0.0	
100	QPSK	271	5	18.04			17.5	0.0	
100	84QAM	1	1	18.03			17.5	0.0	
100	256QAM	1	1	18.02			17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	18.08	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
70	QPSK	1	1	18.02	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
80	QPSK	1	1	18.02	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
40	QPSK	1	1	18.08	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
20	QPSK	1	1	18.04	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
15	QPSK	1	1	18.07	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
10	QPSK	1	1	18.06	833332	833696	Turn-up time (dBm)	MPR	(dB)

Part27O_n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.20					
100	P12 BPSK	1	137	18.11			17.5	0.0	
100	P12 BPSK	1	271	18.12					
100	P12 BPSK	135	5	18.08			17.5	0.0	
100	P12 BPSK	135	89	18.05			17.5	0.0	
100	P12 BPSK	135	138	18.06			17.5	0.0	
100	P12 BPSK	271	5	18.05					
100	QPSK	1	1	18.23					
100	QPSK	1	137	18.10			17.5	0.0	
100	QPSK	1	271	18.15					
100	QPSK	135	5	18.14			17.5	0.0	
100	QPSK	135	89	18.13			17.5	0.0	
100	QPSK	135	138	18.08			17.5	0.0	
100	QPSK	271	5	18.11			17.5	0.0	
100	84QAM	1	1	18.07			17.5	0.0	
100	84QAM	1	1	18.15			17.5	0.0	
100	256QAM	1	1	18.05			17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.20	833332	833696	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	18.20	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.13	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.21	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.20	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.20	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.20	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.22	833332	833696	Turn-up time (dBm)	MPR	(dB)

Part27Q_n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.28			18.0	0.0	
100	P12 BPSK	1	137	18.14					
100	P12 BPSK	1	271	18.23					
100	P12 BPSK	135	5	18.10			18.0	0.0	
100	P12 BPSK	135	89	18.15			18.0	0.0	
100	P12 BPSK	135	138	18.07			18.05		
100	P12 BPSK	271	5	18.14			18.0	0.0	
100	QPSK	1	1	18.28					
100	QPSK	1	137	18.21			18.0	0.0	
100	QPSK	1	271	18.23					
100	QPSK	135	5	18.21			18.0	0.0	
100	QPSK	135	89	18.23			18.0	0.0	
100	QPSK	135	138	18.15			18.0	0.0	
100	QPSK	271	5	18.24			18.0	0.0	
100	84QAM	1	1	18.21			18.0	0.0	
100	256QAM	1	1	18.23			18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.26	833332	833696	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	18.26	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.20	833332	833696	Turn-up time (dBm)	MPR	(dB)
80	QPSK	1	1	18.20	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.28	833332	833696	Turn-up time (dBm)	MPR	(dB)
70	QPSK	1	1	18.28	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.26	833332	833696	Turn-up time (dBm)	MPR	(dB)
40	QPSK	1	1	18.26	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.22	833332	833696	Turn-up time (dBm)	MPR	(dB)
20	QPSK	1	1	18.22	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.23	833332	833696	Turn-up time (dBm)	MPR	(dB)
15	QPSK	1	1	18.23	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.21	833332	833696	Turn-up time (dBm)	MPR	(dB)
10	QPSK	1	1	18.21	833332	833696	Turn-up time (dBm)	MPR	(dB)

Part27O_n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.21					
100	P12 BPSK	1	137	18.03			18.0	0.0	
100	P12 BPSK	1	271	18.01					
100	P12 BPSK	135	5	18.02			18.0	0.0	
100	P12 BPSK	135	89	18.07			18.0	0.0	
100	P12 BPSK	135	138	18.05			18.05	0.0	0.0
100	P12 BPSK	271	5	18.07			18.0	0.0	
100	QPSK	1	1	18.23					
100	QPSK	1	137	18.12			18.0	0.0	
100	QPSK	1	271	18.12					
100	QPSK	135	5	18.09			18.0	0.0	
100	QPSK	135	89	18.14			18.0	0.0	
100	QPSK	135	138	18.06					
100	QPSK	270	0	18.07			18.0	0.0	
100	QPSK	270	135	18.07			18.0	0.0	
100	QPSK	270	270	18.10			18.0	0.0	
100	QPSK	270	405	18.13			18.0	0.0	
50	Frequency (MHz)								
50	QPSK	1	1	18.21	850000	850000	Turn-up time (dBm)	MPR	
50	QPSK	1	137	18.03	850000	850000	18.0	0.0	
50	QPSK	1	271	18.01	850000	850000	18.0	0.0	
50	QPSK	135	5	18.02	850000	850000	18.0	0.0	
50	QPSK	135	89	18.07	850000	850000	18.0	0.0	
50	QPSK	135	138	18.05	850000	850000	18.05	0.0	0.0
50	QPSK	271	5	18.07	850000	850000	18.0	0.0	
50	QPSK	271	135	18.07	850000	850000	18.0	0.0	
50	QPSK	271	271	18.10	850000	850000	18.0	0.0	
50	QPSK	271	405	18.13	850000	850000	18.0	0.0	
30	Frequency (MHz)								
30	QPSK	1	1	18.21	850000	850000	Turn-up time (dBm)	MPR	
30	QPSK	1	137	18.03	850000	850000	18.0	0.0	
30	QPSK	1	271	18.01	850000	850000	18.0	0.0	
30	QPSK	135	5	18.02	850000	850000	18.0	0.0	
30	QPSK	135	89	18.07	850000	850000	18.0	0.0	
30	QPSK	135	138	18.05	850000	850000	18.05	0.0	0.0
30	QPSK	271	5	18.07	850000	850000	18.0	0.0	
30	QPSK	271	135	18.07	850000	850000	18.0	0.0	
30	QPSK	271	271	18.10	850000	850000	18.0	0.0	
30	QPSK	271	405	18.13	850000	850000	18.0	0.0	
15	Frequency (MHz)								
15	QPSK	1	1	18.21	850000	850000	Turn-up time (dBm)	MPR	
15	QPSK	1	137	18.03	850000	850000	18.0	0.0	
15	QPSK	1	271	18.01	850000	850000	18.0	0.0	
15	QPSK	135	5	18.02	850000	850000	18.0	0.0	
15	QPSK	135	89	18.07	850000	850000	18.0	0.0	
15	QPSK	135	138	18.05	850000	850000	18.05	0.0	0.0
15	QPSK	271	5	18.07	850000	850000	18.0	0.0	
15	QPSK	271	135	18.07	850000	850000	18.0	0.0	
15	QPSK	271	271	18.10	850000	850000	18.0	0.0	
15	QPSK	271	405	18.13	850000	850000	18.0	0.0	

Part27Q_n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.78			20.0	0.0	
100	P12 BPSK	1	137	18.80					
100	P12 BPSK	1	271	18.81					
100	P12 BPSK	135	5	18.87			20.0	0.0	
100	P12 BPSK	135	89	18.83			20.0	0.0	
100	P12 BPSK	135	138	18.78			20.0	0.0	
100	P12 BPSK	271	5	18.80					
100	QPSK	1	1	18.80					
100	QPSK	1	137	18.79			20.0	0.0	
100	QPSK	1	271	18.77					
100	QPSK	135	5	18.80					
100	QPSK	135	89	18.83			20.0	0.0	
100	QPSK	135	138	18.79					
100	QPSK	271	5	18.80			20.0	0.0	
100	4QAM	1	1	18.82			20.0	0.0	
100	4QAM	1	1	18.74			20.0	0.0	
100	25QAM	1	1	18.70			20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.81	18.84		20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.42	18.58	18.78	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.53	18.58	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.49	18.50	18.51	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.49	18.40	18.83	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.46	18.61	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.55	18.58	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.55	18.63	18.50	20.0	0.0	

Part27O_n78_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.83			20.0	0.0	
100	P12 BPSK	1	137	18.85					
100	P12 BPSK	1	271	18.80					
100	P12 BPSK	135	5	18.84			20.0	0.0	
100	P12 BPSK	135	89	18.85			20.0	0.0	
100	P12 BPSK	135	138	18.82			20.0	0.0	
100	P12 BPSK	271	5	18.80					
100	QPSK	1	1	18.80					
100	QPSK	1	137	18.80			20.0	0.0	
100	QPSK	1	271	18.81					
100	QPSK	135	5	18.80					
100	QPSK	135	89	18.83			20.0	0.0	
100	QPSK	135	138	18.87					
100	QPSK	271	5	18.87			20.0	0.0	
100	4QAM	1	1	18.81			20.0	0.0	
100	25QAM	1	1	18.69			20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.43	18.47		20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.52	18.62	18.66	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.48	18.66	18.69	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.47	18.46	18.14	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.49	18.60	18.30	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.50	18.58	18.34	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.54	18.63	18.74	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.52	18.60	18.68	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.56	18.62	18.42	20.0	0.0	

Part27Q_n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	17.13					
100	P12 BPSK	1	137	17.05			18.0	0.0	
100	P12 BPSK	1	271	17.08					
100	P12 BPSK	135	5	17.14			18.0	0.0	
100	P12 BPSK	135	89	17.07			18.0	0.0	
100	P12 BPSK	135	138	17.05			18.0	0.0	
100	P12 BPSK	271	5	17.11			18.0	0.0	
100	QPSK	1	1	17.10					
100	QPSK	1	137	17.04			18.0	0.0	
100	QPSK	1	271	17.14					
100	QPSK	135	5	17.05			18.0	0.0	
100	QPSK	135	89	17.06			18.0	0.0	
100	QPSK	135	138	17.05			18.0		
100	QPSK	271	5	17.06			18.0	0.0	
100	4QAM	1	1	17.12			18.0	0.0	
100	25QAM	1	1	17.02			18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.92	16.91	17.00	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.77	16.89	17.11	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.82	16.87	17.01	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.79	16.82	17.08	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.81	16.83	17.00	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.89	16.84	17.13	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.82	16.85	17.15	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.84	16.86	17.09	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.81	16.82	17.01	18.0	0.0	

Part27O_n78_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	17.14					
100	P12 BPSK	1	101	17.14			16.0	0.0	
100	P12 BPSK	1	201	17.04					
100	P12 BPSK	150	0	17.14			16.0	0.0	
100	P12 BPSK	150	8	17.04			16.0	0.0	
100	P12 BPSK	150	158	17.11			16.0	0.0	
100	QPSK	200	0	17.04			16.0	0.0	
100	QPSK		201	17.04					
100	QPSK	1	157	17.00			16.0	0.0	
100	QPSK	1	158	17.00					
100	QPSK	150	0	17.02			16.0	0.0	
100	QPSK	150	8	17.02			16.0	0.0	
100	QPSK	150	158	17.02			16.0	0.0	
100	QPSK	250	0	17.11			16.0	0.0	
100	QPSK	250	8	17.02			16.0	0.0	
100	QPSK	250	158	17.02			16.0	0.0	
100	QPSK	250	200	17.02			16.0	0.0	
100	QPSK	250	208	17.02			16.0	0.0	
100	QPSK	250	250	17.02			16.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	94.866	95.000	95.032	Turn-up time (dB)	MPR	
80	QPSK	1	101	94.866	95.000	95.032	16.0	0.0	
80	QPSK	1	201	94.834	95.000	95.000	Turn-up time (dB)	MPR	
80	QPSK	1	202	94.834	95.000	95.000	16.0	0.0	
80	QPSK	1	301	94.784	95.000	95.000	Turn-up time (dB)	MPR	
80	QPSK	1	302	94.784	95.000	95.000	16.0	0.0	
80	QPSK	1	401	94.734	95.000	95.000	Turn-up time (dB)	MPR	
80	QPSK	1	402	94.734	95.000	95.000	16.0	0.0	
70	QPSK	1	1	96.70	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	101	96.70	96.91	97.09	16.0	0.0	
70	QPSK	1	201	96.65	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	202	96.65	96.91	97.09	16.0	0.0	
70	QPSK	1	301	96.60	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	302	96.60	96.91	97.09	16.0	0.0	
70	QPSK	1	401	96.55	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	402	96.55	96.91	97.09	16.0	0.0	
70	QPSK	1	501	96.50	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	502	96.50	96.91	97.09	16.0	0.0	
70	QPSK	1	601	96.45	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	602	96.45	96.91	97.09	16.0	0.0	
70	QPSK	1	701	96.40	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	702	96.40	96.91	97.09	16.0	0.0	
70	QPSK	1	801	96.35	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	802	96.35	96.91	97.09	16.0	0.0	
70	QPSK	1	901	96.30	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	902	96.30	96.91	97.09	16.0	0.0	
70	QPSK	1	1001	96.25	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1002	96.25	96.91	97.09	16.0	0.0	
70	QPSK	1	1101	96.20	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1102	96.20	96.91	97.09	16.0	0.0	
70	QPSK	1	1201	96.15	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1202	96.15	96.91	97.09	16.0	0.0	
70	QPSK	1	1301	96.10	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1302	96.10	96.91	97.09	16.0	0.0	
70	QPSK	1	1401	96.05	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1402	96.05	96.91	97.09	16.0	0.0	
70	QPSK	1	1501	96.00	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1502	96.00	96.91	97.09	16.0	0.0	
70	QPSK	1	1601	95.95	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1602	95.95	96.91	97.09	16.0	0.0	
70	QPSK	1	1701	95.90	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1702	95.90	96.91	97.09	16.0	0.0	
70	QPSK	1	1801	95.85	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1802	95.85	96.91	97.09	16.0	0.0	
70	QPSK	1	1901	95.80	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	1902	95.80	96.91	97.09	16.0	0.0	
70	QPSK	1	2001	95.75	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2002	95.75	96.91	97.09	16.0	0.0	
70	QPSK	1	2101	95.70	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2102	95.70	96.91	97.09	16.0	0.0	
70	QPSK	1	2201	95.65	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2202	95.65	96.91	97.09	16.0	0.0	
70	QPSK	1	2301	95.60	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2302	95.60	96.91	97.09	16.0	0.0	
70	QPSK	1	2401	95.55	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2402	95.55	96.91	97.09	16.0	0.0	
70	QPSK	1	2501	95.50	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2502	95.50	96.91	97.09	16.0	0.0	
70	QPSK	1	2601	95.45	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2602	95.45	96.91	97.09	16.0	0.0	
70	QPSK	1	2701	95.40	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2702	95.40	96.91	97.09	16.0	0.0	
70	QPSK	1	2801	95.35	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2802	95.35	96.91	97.09	16.0	0.0	
70	QPSK	1	2901	95.30	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	2902	95.30	96.91	97.09	16.0	0.0	
70	QPSK	1	3001	95.25	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3002	95.25	96.91	97.09	16.0	0.0	
70	QPSK	1	3101	95.20	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3102	95.20	96.91	97.09	16.0	0.0	
70	QPSK	1	3201	95.15	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3202	95.15	96.91	97.09	16.0	0.0	
70	QPSK	1	3301	95.10	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3302	95.10	96.91	97.09	16.0	0.0	
70	QPSK	1	3401	95.05	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3402	95.05	96.91	97.09	16.0	0.0	
70	QPSK	1	3501	95.00	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3502	95.00	96.91	97.09	16.0	0.0	
70	QPSK	1	3601	94.95	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3602	94.95	96.91	97.09	16.0	0.0	
70	QPSK	1	3701	94.90	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3702	94.90	96.91	97.09	16.0	0.0	
70	QPSK	1	3801	94.85	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3802	94.85	96.91	97.09	16.0	0.0	
70	QPSK	1	3901	94.80	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	3902	94.80	96.91	97.09	16.0	0.0	
70	QPSK	1	4001	94.75	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4002	94.75	96.91	97.09	16.0	0.0	
70	QPSK	1	4101	94.70	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4102	94.70	96.91	97.09	16.0	0.0	
70	QPSK	1	4201	94.65	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4202	94.65	96.91	97.09	16.0	0.0	
70	QPSK	1	4301	94.60	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4302	94.60	96.91	97.09	16.0	0.0	
70	QPSK	1	4401	94.55	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4402	94.55	96.91	97.09	16.0	0.0	
70	QPSK	1	4501	94.50	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4502	94.50	96.91	97.09	16.0	0.0	
70	QPSK	1	4601	94.45	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4602	94.45	96.91	97.09	16.0	0.0	
70	QPSK	1	4701	94.40	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4702	94.40	96.91	97.09	16.0	0.0	
70	QPSK	1	4801	94.35	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4802	94.35	96.91	97.09	16.0	0.0	
70	QPSK	1	4901	94.30	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	4902	94.30	96.91	97.09	16.0	0.0	
70	QPSK	1	5001	94.25	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5002	94.25	96.91	97.09	16.0	0.0	
70	QPSK	1	5101	94.20	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5102	94.20	96.91	97.09	16.0	0.0	
70	QPSK	1	5201	94.15	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5202	94.15	96.91	97.09	16.0	0.0	
70	QPSK	1	5301	94.10	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5302	94.10	96.91	97.09	16.0	0.0	
70	QPSK	1	5401	94.05	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5402	94.05	96.91	97.09	16.0	0.0	
70	QPSK	1	5501	94.00	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5502	94.00	96.91	97.09	16.0	0.0	
70	QPSK	1	5601	93.95	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5602	93.95	96.91	97.09	16.0	0.0	
70	QPSK	1	5701	93.90	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5702	93.90	96.91	97.09	16.0	0.0	
70	QPSK	1	5801	93.85	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5802	93.85	96.91	97.09	16.0	0.0	
70	QPSK	1	5901	93.80	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	5902	93.80	96.91	97.09	16.0	0.0	
70	QPSK	1	6001	93.75	96.91	97.09	Turn-up time (dB)	MPR	
70	QPSK	1	6002	93.75					



Reduced Power Mode for DSI 9

n2_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	15.84	15.82	15.86			
20	PI2-BPSK	1	5	15.71	15.65	15.86	17.5	0.0	
20	PI2-BPSK	1	104	15.83	15.87	15.86			
20	PI2-BPSK	50	5	15.75	15.82	15.86	17.5	0.0	
20	PI2-BPSK	50	25	15.77	15.82	15.86	17.5	0.0	
20	PI2-BPSK	50	56	15.84	15.75	15.72	17.5	0.0	
20	PI2-BPSK	100	5	15.73	15.83	15.75			
20	QPSK	1	1	15.84	15.82	15.81			
20	QPSK	1	5	15.82	15.85	15.81	17.5	0.0	
20	QPSK	1	104	15.86	15.81	15.87	17.5	0.0	
20	QPSK	50	5	15.73	15.81	15.78	17.5	0.0	
20	QPSK	50	25	15.74	15.81	15.75	17.5	0.0	
20	QPSK	50	56	15.77	15.81	15.80	17.5	0.0	
20	QPSK	100	5	15.75	15.86	15.85			
20	16QAM	1	1	15.85	15.79	15.77	17.5	0.0	
20	16QAM	1	1	15.77	15.88	15.75	17.5	0.0	
20	256QAM	1	1	15.75	15.87	15.77	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.83	15.98	15.95	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.83	16.01	15.97	17.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.84	16.03	15.88	17.5	0.0	

n2_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	16.50	16.39	16.54	18.5	0.0	
20	PI2-BPSK	1	5	16.52	16.51	16.54			
20	PI2-BPSK	1	104	16.77	16.83	16.89			
20	PI2-BPSK	50	5	16.77	16.80	16.82	18.5	0.0	
20	PI2-BPSK	50	25	16.86	16.85	16.82	18.5	0.0	
20	PI2-BPSK	50	56	16.73	16.84	16.81	18.5	0.0	
20	PI2-BPSK	100	5	16.80	16.74	16.84			
20	QPSK	1	1	16.84	17.07	16.82			
20	QPSK	1	5	16.86	16.94	16.95	18.5	0.0	
20	QPSK	1	104	16.85	16.80	16.81	18.5	0.0	
20	QPSK	50	5	16.82	16.88	16.82	18.5	0.0	
20	QPSK	50	25	16.95	16.92	16.91	18.5	0.0	
20	QPSK	50	56	16.81	16.88	16.83	18.5	0.0	
20	QPSK	100	5	16.84	16.92	16.82			
20	16QAM	1	1	16.85	16.84	16.82	18.5	0.0	
20	16QAM	1	1	16.91	16.88	16.89	18.5	0.0	
20	256QAM	1	1	16.97	16.83	16.83	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.82	16.86	16.85	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.88	16.79	16.89	18.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.87	16.84	16.80	18.5	0.0	

n5_Ant 13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
20	PI2-BPSK	1	1	23.81	23.71	23.82	25.0	0.0			
20	PI2-BPSK	1	5	23.54	23.61	23.57					
20	PI2-BPSK	1	104	23.45	23.48	23.47					
20	PI2-BPSK	50	5	23.57	23.15	23.15	24.5	0.0			
20	PI2-BPSK	50	25	23.51	23.55	23.55	24.5	0.0			
20	PI2-BPSK	50	56	22.98	23.67	23.62	24.5	0.0			
20	PI2-BPSK	100	5	23.12	23.15	23.15					
20	QPSK	1	1	23.82	23.82	23.71					
20	QPSK	1	5	23.57	23.60	23.55	25.0	0.0			
20	QPSK	1	104	23.44	23.48	23.38					
20	QPSK	50	5	22.85	22.89	22.85	24.0	1.0			
20	QPSK	50	25	22.76	23.00	23.00	24.5	1.0			
20	QPSK	50	56	22.42	22.50	22.43	24.0	1.0			
20	QPSK	100	5	22.54	22.59	22.48					
20	16QAM	1	1	22.75	22.81	22.81	24.0	1.0			
20	16QAM	1	1	21.41	21.45	21.42	22.5	2.5			
20	256QAM	1	1	18.31	18.32	18.31	20.5	4.5			
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.78	23.65	23.70	25.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.78	23.77	23.81	25.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	23.72	23.82	23.86	25.0	0.0			

n5_Ant 31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
20	PI2-BPSK	1	1	23.43	23.49	23.48	25.0	0.0			
20	PI2-BPSK	1	5	23.43	23.48	23.37					
20	PI2-BPSK	1	104	23.15	23.21	23.19					
20	PI2-BPSK	50	5	22.78	22.87	22.78	24.5	0.0			
20	PI2-BPSK	50	25	23.31	23.34	23.32	25.0	0.0			
20	PI2-BPSK	50	56	22.71	22.75	22.70	24.5	0.0			
20	PI2-BPSK	100	5	22.75	22.85	22.78					
20	QPSK	1	1	23.12	23.27	23.40					
20	QPSK	1	5	23.48	23.45	23.35	25.0	0.0			
20	QPSK	1	104	23.18	23.25	23.17					
20	QPSK	50	5	22.29	22.59	22.29	24.0	1.0			
20	QPSK	50	25	22.15	22.15	22.15	24.0	1.0			
20	QPSK	50	56	22.08	22.19	22.17	24.0	1.0			
20	QPSK	100	5	22.24	22.25	22.25					
20	16QAM	1	1	22.58	22.55	22.55	24.0	1.0			
20	16QAM	1	1	21.82	21.10	21.09	22.5	2.5			
20	256QAM	1	1	18.44	16.15	16.06	20.5	4.5			
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.15	23.50	23.43	25.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.43	23.53	23.47	25.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	23.41	23.52	23.39	25.0	0.0			

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq. [dBm]	Power Main Ch./F.Freq. [dBm]	Power Tgt. Ch./F.Freq. [dBm]	Time-up time [min]	MPR [dB]	
Channel									
Frequency [MHz]									
40	PUS BPSK	1	1	17.18	17.32	17.23	18.5	0.0	
40	PUS BPSK	1	104	17.14	17.18	17.20	18.5	0.0	
40	PUS BPSK	1	214	17.11	17.28	17.14	18.5	0.0	
40	PUS BPSK	104	0	17.04	17.18	17.07	18.5	0.0	
40	PUS BPSK	104	54	17.05	17.05	17.05	18.5	0.0	
40	PUS BPSK	104	104	16.94	17.17	17.09	18.5	0.0	
40	PUS BPSK	214	0	16.95	17.18	17.00	18.5	0.0	
40	QPSK	1	1	17.24	17.32	17.28	18.5	0.0	
40	QPSK	1	104	17.18	17.28	17.23	18.5	0.0	
40	QPSK	1	214	17.15	17.32	17.23	18.5	0.0	
40	QPSK	104	0	17.07	17.23	17.14	18.5	0.0	
40	QPSK	104	54	17.01	17.05	17.03	18.5	0.0	
40	QPSK	104	104	17.04	17.28	17.15	18.5	0.0	
40	QPSK	214	0	17.04	17.32	17.11	18.5	0.0	
40	16QAM	1	1	17.08	17.28	17.13	18.5	0.0	
40	16QAM	1	1	17.09	17.21	17.09	18.5	0.0	
40	256QAM	1	1	17.11	17.24	17.14	18.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.05	17.25	17.07	18.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.13	17.28	17.13	18.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.12	17.23	17.13	18.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	17.14	17.28	17.13	18.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	17.13	17.23	17.13	18.5	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	17.11	17.23	17.11	18.5	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq. [dBm]	Power Main Ch./F.Freq. [dBm]	Power Tgt. Ch./F.Freq. [dBm]	Time-up time [min]	MPR [dB]	
Channel									
Frequency [MHz]									
40	PUS BPSK	1	1	13.48	13.54	13.47	14.5	0.0	
40	PUS BPSK	1	104	13.42	13.45	13.43	14.5	0.0	
40	PUS BPSK	1	214	13.47	13.45	13.39	14.5	0.0	
40	PUS BPSK	104	0	13.33	13.42	13.31	14.5	0.0	
40	PUS BPSK	104	54	13.44	13.45	13.38	14.5	0.0	
40	PUS BPSK	104	104	13.40	13.41	13.43	14.5	0.0	
40	PUS BPSK	214	0	13.34	13.32	13.44	14.5	0.0	
40	QPSK	1	1	13.52	13.52	13.34	14.5	0.0	
40	QPSK	1	104	13.50	13.50	13.54	14.5	0.0	
40	QPSK	1	214	13.48	13.52	13.37	14.5	0.0	
40	QPSK	104	0	13.41	13.45	13.52	14.5	0.0	
40	QPSK	104	54	13.51	13.52	13.51	14.5	0.0	
40	QPSK	104	104	13.48	13.45	13.52	14.5	0.0	
40	QPSK	214	0	13.39	13.52	13.51	14.5	0.0	
40	16QAM	1	1	13.43	13.45	13.50	14.5	0.0	
40	16QAM	1	1	13.41	13.48	13.49	14.5	0.0	
40	256QAM	1	1	13.48	13.45	13.50	14.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	13.43	13.43	13.43	14.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	13.44	13.48	13.48	14.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	13.45	13.52	13.47	14.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	13.47	13.52	13.44	14.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	13.46	13.42	13.44	14.5	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	13.47	13.48	13.50	14.5	0.0	

n7_Ant_31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq. [dBm]	Power Main Ch./F.Freq. [dBm]	Power Tgt. Ch./F.Freq. [dBm]	Time-up time [min]	MPR [dB]	
Channel									
Frequency [MHz]									
40	PUS BPSK	1	1	21.58	21.62	21.58	23.0	0.0	
40	PUS BPSK	1	104	21.52	21.59	21.48	23.0	0.0	
40	PUS BPSK	1	214	21.45	21.49	21.54	23.0	0.0	
40	PUS BPSK	104	0	21.38	21.56	21.38	23.0	0.0	
40	PUS BPSK	104	54	21.42	21.52	21.48	23.0	0.0	
40	PUS BPSK	104	104	21.29	21.42	21.47	23.0	0.0	
40	PUS BPSK	214	0	21.41	21.42	21.35	23.0	0.0	
40	QPSK	1	1	21.62	21.62	21.62	23.0	0.0	
40	QPSK	1	104	21.58	21.62	21.58	23.0	0.0	
40	QPSK	1	214	21.50	21.52	21.38	23.0	0.0	
40	QPSK	104	0	21.43	21.60	21.44	23.0	0.0	
40	QPSK	104	54	21.42	21.62	21.51	23.0	0.0	
40	QPSK	104	104	21.38	21.52	21.51	23.0	0.0	
40	QPSK	214	0	21.42	21.58	21.46	23.0	0.0	
40	16QAM	1	1	21.48	21.52	21.43	23.0	0.0	
40	16QAM	1	1	21.38	21.54	21.37	23.0	0.0	
40	256QAM	1	1	21.64	21.62	21.64	23.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.52	21.52	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.58	21.59	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.49	21.54	21.54	23.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.54	21.61	21.53	23.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.52	21.52	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	21.50	21.54	21.54	23.0	0.0	

n26_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq. [dBm]	Power Main Ch./F.Freq. [dBm]	Power Tgt. Ch./F.Freq. [dBm]	Time-up time [min]	MPR [dB]	
Channel									
Frequency [MHz]									
20	PUS BPSK	1	1	24.03	24.04	23.94	25.0	0.0	
20	PUS BPSK	1	80	23.94	23.97	23.97	25.0	0.0	
20	PUS BPSK	1	104	23.92	23.98	23.97	25.0	0.0	
20	PUS BPSK	80	0	23.99	24.01	23.98	24.5	0.0	
20	PUS BPSK	80	56	23.43	23.54	23.47	24.5	0.0	
20	PUS BPSK	100	0	23.37	23.48	23.38	24.5	0.0	
20	PUS BPSK	100	56	23.37	23.48	23.37	24.5	0.0	
20	PUS BPSK	100	80	23.37	23.48	23.31	24.0	0.0	
20	PUS BPSK	100	104	23.37	23.48	23.37	24.0	0.0	
20	PUS BPSK	56	0	22.88	22.95	22.87	24.0	1.0	
20	PUS BPSK	56	56	22.88	22.95	22.88	23.5	0.0	
20	PUS BPSK	56	80	22.88	22.95	22.88	24.0	1.0	
20	PUS BPSK	56	104	22.88	22.95	22.88	24.0	1.0	
20	PUS BPSK	100	0	22.96	23.00	22.96	24.0	1.0	
20	PUS BPSK	100	56	22.96	23.00	22.96	24.0	1.0	
20	PUS BPSK	100	80	22.96	23.00	22.96	24.0	1.0	
20	PUS BPSK	100	104	22.96	23.00	22.97	23.5	1.0	
20	25QAM	1	1	19.54	19.59	19.53	20.5	4.5	
Frequency [MHz]									
15	Channel			82.15	82.15	82.15	(off)	0.0	
15	Channel			23.56	23.58	23.58	25.0	0.0	
15	Channel			23.56	23.58	23.58	25.0	0.0	
15	Channel			81.15	81.15	81.15	(off)	0.0	
15	Channel			23.58	23.58	23.58	25.0	0.0	
15	Channel			23.58	23.58	23.58	25.0	0.0	
15	Channel			19.53	19.53	19.53	20.5	4.5	
15	Channel			23.58	23.58	23.58	25.0	0.0	

n26_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. [dBm]	Power Mdn Ch./F.Freq. [dBm]	Power Tgt Ch./F.Freq. [dBm]	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PUS BPSK	1	1	23.75	23.78	23.67	25.0	0.0	
30	PUS BPSK	1	50	23.83	23.80	23.80	25.0	0.0	
30	PUS BPSK	1	104	23.95	23.84	23.53	25.0	0.0	
30	PUS BPSK	50	5	23.97	23.19	23.06	24.5	0.5	
30	PUS BPSK	50	25	23.98	23.99	23.99	25.0	0.0	
30	PUS BPSK	50	56	23.24	23.25	23.16	24.5	0.5	
30	PUS BPSK	100	5	23.98	23.90	23.72	25.0	0.0	
30	QPSK	1	1	23.75	23.82	23.77	25.0	0.0	
30	QPSK	1	50	23.88	23.71	23.60	25.0	0.0	
30	QPSK	1	104	23.98	23.89	23.62	25.0	0.0	
30	QPSK	50	5	22.96	22.87	22.84	24.0	1.0	
30	QPSK	50	25	23.98	23.98	23.98	25.0	0.0	
30	QPSK	50	56	22.89	22.72	22.68	24.0	1.0	
30	QPSK	100	5	22.98	22.89	22.69	25.0	0.0	
30	16QAM	1	1	22.70	22.81	22.60	24.0	1.0	
30	16QAM	1	1	21.29	21.40	21.39	22.5	2.5	
30	256QAM	1	1	18.24	18.32	18.26	20.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.87	23.81	23.74	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.78	23.78	23.67	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.71	23.72	23.71	25.0	0.0	

n66_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. [dBm]	Power Mdn Ch./F.Freq. [dBm]	Power Tgt Ch./F.Freq. [dBm]	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUS BPSK	1	1	18.34	18.37	18.39	20.0	0.0	
40	PUS BPSK	1	168	18.80	18.96	18.94	20.0	0.0	
40	PUS BPSK	1	214	18.82	18.94	18.91	20.0	0.0	
40	PUS BPSK	100	5	18.85	18.86	18.79	20.0	0.0	
40	PUS BPSK	100	54	18.85	18.91	18.95	20.0	0.0	
40	PUS BPSK	100	108	18.89	18.93	18.77	20.0	0.0	
40	PUS BPSK	210	5	18.90	18.96	18.94	20.0	0.0	
40	QPSK	1	1	18.82	18.90	18.94	20.0	0.0	
40	QPSK	1	100	18.92	18.98	18.97	20.0	0.0	
40	QPSK	1	214	18.93	18.91	18.93	20.0	0.0	
40	QPSK	100	5	18.90	18.93	18.89	20.0	0.0	
40	QPSK	100	54	18.96	18.96	18.96	20.0	0.0	
40	QPSK	100	108	18.97	18.91	18.87	20.0	0.0	
40	QPSK	210	5	18.95	18.99	18.99	20.0	0.0	
40	16QAM	1	1	18.97	18.99	18.98	20.0	0.0	
40	16QAM	1	1	18.98	18.91	18.95	20.0	0.0	
40	256QAM	1	1	18.91	18.90	18.90	20.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.92	18.90	18.96	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.97	18.91	18.95	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.90	18.89	18.87	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.90	17.90	17.90	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.14	18.91	18.70	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.97	18.90	18.91	20.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.96	18.96	18.98	20.0	0.0	

n66_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. [dBm]	Power Mdn Ch./F.Freq. [dBm]	Power Tgt Ch./F.Freq. [dBm]	Time-up time (min)	MPR (dB)	
Channel									
40	PUS BPSK	1	1	18.38	18.52	18.44	19.5	0.0	0.0
40	PUS BPSK	1	168	18.20	18.39	18.31			
40	PUS BPSK	1	214	18.38	18.39	18.42			
40	PUS BPSK	100	5	18.39	18.34	18.30			
40	PUS BPSK	100	54	18.27	18.40	18.34			
40	PUS BPSK	100	108	18.30	18.52	18.28			
40	PUS BPSK	210	5	18.34	18.31	18.36	19.5	0.0	0.0
40	QPSK	1	1	18.40	18.53	18.51	19.5	0.0	0.0
40	QPSK	1	100	18.39	18.46	18.42			
40	QPSK	1	214	18.42	18.40	18.45			
40	QPSK	100	5	18.31	18.40	18.38			
40	QPSK	100	54	18.41	18.41	18.41			
40	QPSK	100	108	18.32	18.42	18.31			
40	QPSK	210	5	18.38	18.41	18.39	19.5	0.0	0.0
40	16QAM	1	1	18.35	18.40	18.38	19.5	0.0	0.0
40	16QAM	1	1	18.35	18.38	18.34	19.5	0.0	0.0
40	256QAM	1	1	18.29	18.41	18.30	19.5	0.0	0.0
Channel									
35	QPSK	1	1	18.29	18.40	18.38	19.5	0.0	0.0
35	QPSK	1	1	17.72	17.62	17.62	19.5	0.0	0.0
Channel									
30	QPSK	1	1	18.30	18.42	18.31	19.5	0.0	0.0
30	QPSK	1	1	17.21	17.46	17.46	19.5	0.0	0.0
Channel									
30	QPSK	1	1	18.25	18.40	18.39	19.5	0.0	0.0
Channel									
25	QPSK	1	1	17.23	17.46	17.43	19.5	0.0	0.0
25	QPSK	1	1	18.31	18.40	18.38	19.5	0.0	0.0
Channel									
20	QPSK	1	1	18.26	18.40	18.40	19.5	0.0	0.0
20	QPSK	1	1	18.30	18.43	18.37	19.5	0.0	0.0
Channel									
15	QPSK	1	1	18.25	18.37	18.39	19.5	0.0	0.0
15	QPSK	1	1	17.17	17.46	17.46	19.5	0.0	0.0
Channel									
10	QPSK	1	1	18.30	18.40	18.37	19.5	0.0	0.0
10	QPSK	1	1	18.35	18.40	18.35	19.5	0.0	0.0
Channel									
5	QPSK	1	1	17.17	17.68	17.73	19.5	0.0	0.0
5	QPSK	1	1	18.33	18.40	18.38	19.5	0.0	0.0

n66_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. [dBm]	Power Mdn Ch./F.Freq. [dBm]	Power Tgt Ch./F.Freq. [dBm]	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUS BPSK	1	1	20.83	20.71	20.74			
40	PUS BPSK	1	168	20.83	20.71	20.74	22.0	0.0	
40	PUS BPSK	1	214	20.82	20.82	20.81			
40	PUS BPSK	100	5	20.84	20.81	20.81	22.0	0.0	
40	PUS BPSK	100	54	20.86	20.79	20.79	22.0	0.0	
40	PUS BPSK	100	108	20.87	20.73	20.58	22.0	0.0	
40	PUS BPSK	210	5	20.79	20.79	20.79	22.0	0.0	
40	GPUS	1	1	20.71	20.62	20.62			
40	GPUS	1	168	20.71	20.62	20.62	22.0	0.0	
40	GPUS	1	214	20.63	20.71	20.71			
40	GPUS	100	5	20.56	20.70	20.84	22.0	0.0	
40	GPUS	100	54	20.58	20.70	20.84	22.0	0.0	
40	GPUS	100	108	20.64	20.77	20.58	22.0	0.0	
40	GPUS	210	5	20.50	20.67	20.81	22.0	0.0	
40	ISG4M	1	1	20.87	20.68	20.65	22.0	0.0	
40	ISG4M	1	168	20.87	20.68	20.65	22.0	0.0	
40	ISG4M	1	214	20.80	20.91	20.91	22.0	0.0	
Channel									
Frequency (MHz)									
40	GPUS	1	1	34.6500	34.6500	34.6500			MPR
40	GPUS	1	168	34.6500	34.6500	34.6500	22.0	0.0	MPR
15	GPUS	1	1	20.89	20.78	20.79	22.0	0.0	MPR
Channel									
Frequency (MHz)									
15	GPUS	1	1	17.21	17.41	17.60			MPR
15	GPUS	1	168	17.21	17.41	17.60	22.0	0.0	MPR
Channel									
Frequency (MHz)									
15	GPUS	1	1	34.6600	34.6600	34.6600			MPR
15	GPUS	1	168	34.6600	34.6600	34.6600	22.0	0.0	MPR
20	GPUS	1	1	20.82	20.81	20.80	22.0	0.0	MPR
20	GPUS	1	168	20.84	20.80	20.80	22.0	0.0	MPR
15	GPUS	1	1	17.17	17.17	17.17			MPR
15	GPUS	1	168	20.49	20.78	20.79	22.0	0.0	MPR
15	GPUS	1	214	20.50	20.67	20.67	22.0	0.0	MPR
Channel									
Frequency (MHz)									
15	GPUS	1	1	34.6100	34.6100	34.6100			MPR
15	GPUS	1	168	34.6100	34.6100	34.6100	22.0	0.0	MPR
15	GPUS	1	214	17.17	17.17	17.17	22.0	0.0	MPR
5	GPUS	1	1	17.17	17.17	17.17	22.0	0.0	MPR



n38_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	18.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	17.24	17.34	17.32	18.5	0.0	
40	PI2 BPSK	1	53	17.31	17.44	17.34			
40	PI2 BPSK	1	104	17.29	17.30	17.29	18.5	0.0	
40	PI2 BPSK	50	0	17.35	17.34	17.30			
40	PI2 BPSK	50	28	17.33	17.42	17.32	18.5	0.0	
40	PI2 BPSK	50	56	17.30	17.35	17.28			
40	PI2 BPSK	100	0	17.29	17.40	17.29	18.5	0.0	
40	QPSK	1	1	17.45	17.45	17.45			
40	QPSK	1	53	17.26	17.30	17.30	18.5	0.0	
40	QPSK	1	104	17.34	17.38	17.40			
40	QPSK	50	0	17.36	17.35	17.30	18.5	0.0	
40	QPSK	50	28	17.35	17.40	17.33			
40	QPSK	50	56	17.28	17.37	17.30	18.5	0.0	
40	QPSK	100	0	17.28	17.33	17.30			
40	16QAM	1	1	17.35	17.44	17.29	18.5	0.0	
40	16QAM	1	1	17.26	17.35	17.35			
40	256QAM	1	1	17.27	17.38	17.35	18.5	0.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.24	17.37	17.29	18.5	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.30	17.33	17.28	18.5	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.31	17.35	17.32	18.5	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.31	17.34	17.30	18.5	0.0	

n38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	15.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	13.89	13.92	13.91	15.0	0.0	
40	PI2 BPSK	1	53	13.85	13.95	13.95			
40	PI2 BPSK	1	104	13.91	13.90	13.94	15.0	0.0	
40	PI2 BPSK	50	0	13.80	13.97	13.92			
40	PI2 BPSK	50	28	13.83	13.94	13.94	15.0	0.0	
40	PI2 BPSK	50	56	13.91	13.91	13.92			
40	PI2 BPSK	100	0	13.86	13.93	13.90	15.0	0.0	
40	QPSK	1	1	13.95	14.04	13.95			
40	QPSK	1	53	13.88	13.89	13.86	15.0	0.0	
40	QPSK	1	104	13.80	13.90	13.83			
40	QPSK	50	0	13.81	13.83	13.85	15.0	0.0	
40	QPSK	50	28	13.81	13.88	13.88			
40	QPSK	50	56	13.81	13.88	13.89	15.0	0.0	
40	QPSK	100	0	13.85	13.95	13.84			
40	16QAM	1	1	13.81	13.91	13.83	15.0	0.0	
40	16QAM	1	1	13.83	13.85	13.87			
40	256QAM	1	1	13.84	13.93	13.83	15.0	0.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.84	13.95	13.83	15.0	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.80	13.92	13.83	15.0	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.84	13.94	13.93	15.0	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.82	13.90	13.86	15.0	0.0	

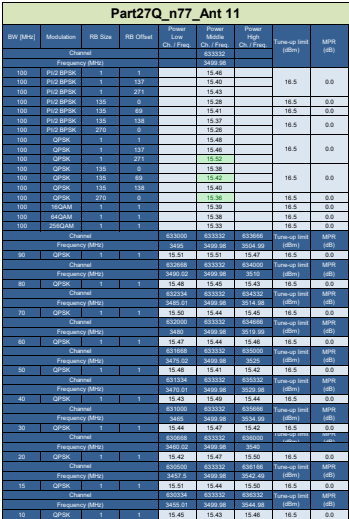
n38_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.83	22.96	22.82	24.0	0.0	
40	PI2 BPSK	1	53	22.86	22.86	22.85			
40	PI2 BPSK	1	104	22.93	22.90	22.88	24.0	0.0	
40	PI2 BPSK	50	0	22.92	22.93	22.91			
40	PI2 BPSK	50	28	22.90	22.95	22.78	24.0	0.0	
40	PI2 BPSK	50	56	22.87	22.86	22.88			
40	PI2 BPSK	100	0	22.93	22.94	22.93	24.0	0.0	
40	QPSK	1	1	22.95	23.00	22.94			
40	QPSK	1	53	22.91	22.90	22.90	24.0	0.0	
40	QPSK	1	104	22.92	22.96	22.89			
40	QPSK	50	0	22.25	22.20	22.25	23.5	0.5	
40	QPSK	50	28	22.65	22.67	22.61			
40	QPSK	50	56	22.29	22.34	22.25	23.5	0.5	
40	QPSK	100	0	22.22	22.28	22.21			
40	16QAM	1	1	22.30	22.28	22.21	23.5	0.5	
40	16QAM	1	1	20.81	20.78	20.75			
40	256QAM	1	1	18.76	18.81	18.74	20.0	4.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.92	22.94	22.89	24.0	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.86	22.94	22.84	24.0	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.82	22.96	22.81	24.0	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.85	22.87	22.79	24.0	0.0	



FCC_n41_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5185.98	5200.00			
Frequency (MHz)				2546.01	2592.99	2546			
100	P12 BPSK	1	1	17.99	17.98	17.95			
100	P12 BPSK	1	137	17.89	17.98	17.89	19.0	0.0	
100	P12 BPSK	1	271	17.86	17.90	17.84			
100	P12 BPSK	135	0	17.87	17.95	17.84	19.0	0.0	
100	P12 BPSK	135	69	17.87	17.88	17.82	19.0	0.0	
100	P12 BPSK	135	138	17.82	17.89	17.94	19.0	0.0	
100	P12 BPSK	270	0	17.98	17.97	17.93			
100	QPSK	1	1	17.93	18.04	17.95			
100	QPSK	1	137	17.91	17.97	17.95	19.0	0.0	
100	QPSK	1	271	17.94	18.00	17.94			
100	QPSK	135	0	17.87	17.95	17.91	19.0	0.0	
100	QPSK	135	69	17.91	17.95	17.94	19.0	0.0	
100	QPSK	135	138	17.85	17.93	17.90	19.0	0.0	
100	QPSK	270	0	17.98	17.99	17.90			
100	16QAM	1	1	17.95	17.91	17.88	19.0	0.0	
100	64QAM	1	1	17.96	17.91	17.85	19.0	0.0	
100	256QAM	1	1	17.98	17.95	17.88	19.0	0.0	
Channel				5062.00	5185.98	5269.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2547	2592.99	2544.98			
90	QPSK	1	1	17.80	17.85	17.83	19.0	0.0	
Channel				5072.04	5185.98	5295.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2549.99			
80	QPSK	1	1	17.94	17.91	17.88	19.0	0.0	
Channel				5082.02	5185.98	5310.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2555			
70	QPSK	1	1	17.93	18.00	17.94	19.0	0.0	
Channel				5092.00	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2559.98			
60	QPSK	1	1	17.97	17.94	17.84	19.0	0.0	
Channel				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2554.99			
50	QPSK	1	1	17.90	17.93	17.83	19.0	0.0	
Channel				5032.02	5185.98	5340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2570			
40	QPSK	1	1	17.94	17.96	17.83	19.0	0.0	
Channel				5022.00	5185.98	5349.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2574.98			
30	QPSK	1	1	17.94	17.94	17.83	19.0	0.0	
Channel				5012.04	5185.98	5359.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2579.99			
20	QPSK	1	1	17.95	17.93	17.85	19.0	0.0	
Channel				5007.00	5185.98	5364.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2582.48			
15	QPSK	1	1	17.94	17.97	17.86	19.0	0.0	
Channel				5002.02	5185.98	5370.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2585			
10	QPSK	1	1	17.87	18.00	17.84	19.0	0.0	

FCC_n41_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5185.98	5200.00			
Frequency (MHz)				2546.01	2592.99	2546			
100	P12 BPSK	1	1	13.99	14.02	13.99			
100	P12 BPSK	1	137	13.97	14.02	14.01	15.0	0.0	
100	P12 BPSK	1	271	13.93	14.03	13.94			
100	P12 BPSK	135	0	13.93	14.04	14.00	15.0	0.0	
100	P12 BPSK	135	69	13.97	14.06	14.00	15.0	0.0	
100	P12 BPSK	135	138	14.01	14.06	13.91	15.0	0.0	
100	P12 BPSK	270	0	13.96	13.99	13.92			
100	QPSK	1	1	14.00	14.10	14.05			
100	QPSK	1	137	13.98	13.98	14.02	15.0	0.0	
100	QPSK	1	271	13.92	13.97	13.91			
100	QPSK	135	0	14.00	13.95	13.99	15.0	0.0	
100	QPSK	135	69	14.01	14.05	14.01	15.0	0.0	
100	QPSK	135	138	13.94	13.99	13.90	15.0	0.0	
100	QPSK	270	0	13.92	14.01	13.92			
100	16QAM	1	1	14.00	14.01	13.95	15.0	0.0	
100	64QAM	1	1	13.99	13.98	14.02	15.0	0.0	
100	256QAM	1	1	14.01	14.03	13.91	15.0	0.0	
Channel				5062.00	5185.98	5269.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2547	2592.99	2544.98			
90	QPSK	1	1	14.00	13.95	13.99	15.0	0.0	
Channel				5072.04	5185.98	5295.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2549.99			
80	QPSK	1	1	14.03	14.05	13.99	15.0	0.0	
Channel				5082.02	5185.98	5310.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2555			
70	QPSK	1	1	14.02	14.04	13.98	15.0	0.0	
Channel				5092.00	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2559.98			
60	QPSK	1	1	14.04	13.99	13.90	15.0	0.0	
Channel				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2554.99			
50	QPSK	1	1	13.97	14.03	13.92	15.0	0.0	
Channel				5032.02	5185.98	5340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2570			
40	QPSK	1	1	14.03	14.04	13.93	15.0	0.0	
Channel				5022.00	5185.98	5349.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2574.98			
30	QPSK	1	1	13.97	13.94	13.99	15.0	0.0	
Channel				5012.04	5185.98	5359.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2579.99			
20	QPSK	1	1	13.98	14.05	14.01	15.0	0.0	
Channel				5007.00	5185.98	5364.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2582.48			
15	QPSK	1	1	14.02	14.02	13.95	15.0	0.0	
Channel				5002.02	5185.98	5370.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2585			
10	QPSK	1	1	14.00	13.96	13.91	15.0	0.0	

FCC_n41_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5185.98	5200.00			
Frequency (MHz)				2546.01	2592.99	2546			
100	P12 BPSK	1	1	21.74	21.85	21.77			
100	P12 BPSK	1	137	21.77	21.86	21.82	23.0	0.0	
100	P12 BPSK	1	271	21.77	21.83	21.78			
100	P12 BPSK	135	0	21.85	21.83	21.84	23.0	0.0	
100	P12 BPSK	135	69	21.77	21.80	21.78	23.0	0.0	
100	P12 BPSK	135	138	21.83	21.81	21.75	23.0	0.0	
100	P12 BPSK	270	0	21.81	21.87	21.73			
100	QPSK	1	1	21.85	21.85	21.88			
100	QPSK	1	137	21.88	21.90	21.73	23.0	0.0	
100	QPSK	1	271	21.78	21.83	21.79			
100	QPSK	135	0	21.75	21.83	21.74	23.0	0.0	
100	QPSK	135	69	21.86	21.80	21.75	23.0	0.0	
100	QPSK	135	138	21.81	21.85	21.72	23.0	0.0	
100	QPSK	270	0	21.75	21.88	21.74	23.0	0.0	
100	16QAM	1	1	21.82	21.91	21.77			
100	64QAM	1	1	21.22	21.26	21.20	22.5	0.5	
100	256QAM	1	1	19.26	19.25	19.25	20.5	2.5	
Channel				50520.00	51859.98	52009.96			
Frequency (MHz)				25460.01	25929.99	25469.98			
90	QPSK	1	1	21.84	21.87	21.78	23.0	0.0	
Channel				50720.04	51859.98	52009.98			
Frequency (MHz)				25672.02	25929.99	25469.98			
80	QPSK	1	1	21.74	21.86	21.75	23.0	0.0	
Channel				50532.01	51859.98	52010.00			
Frequency (MHz)				25513.01	25929.99	25465.00			
70	QPSK	1	1	21.80	21.81	21.74	23.0	0.0	
Channel				50536.01	51859.98	52010.00			
Frequency (MHz)				25516.01	25929.99	25465.00			
60	QPSK	1	1	21.80	21.84	21.82	23.0	0.0	
Channel				50536.02	51859.98	52009.98			
Frequency (MHz)				25516.02	25929.99	25464.99			
50	QPSK	1	1	21.82	21.81	21.80	23.0	0.0	
Channel				50532.02	51859.98	52009.98			
Frequency (MHz)				25516.02	25929.99	25464.98			
40	QPSK	1	1	21.75	21.91	21.74	23.0	0.0	
Channel				50520.00	51859.98	52009.98			
Frequency (MHz)				25511.00	25929.99	25464.98			
30	QPSK	1	1	21.80	21.85	21.82	23.0	0.0	
Channel				50120.04	51859.98	52009.98			
Frequency (MHz)				25506.02	25929.99	25469.98			
20	QPSK	1	1	21.85	21.82	21.74	23.0	0.0	
Channel				50120.02	51859.98	52009.98			
Frequency (MHz)				25503.05	25929.99	25462.48			
15	QPSK	1	1	21.75	21.91	21.74	23.0	0.0	
Channel				50320.02	51859.98	52009.98			
Frequency (MHz)				25522.02	25929.99	25469.98			
10	QPSK	1	1	21.85	21.84	21.80	23.0	0.0	



Part207_n77_Ant 11									
BN [MHz]	Muscatone	PB Size	PB Offset	Power [mW]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	MPE [%]
150	GPSPK	1	0	16.000	12.00	12.00	12.00	12.00	0.0
150	GPSPK	1	1	15.999	11.99	11.99	11.99	11.99	0.0
150	GPSPK	1	2	15.998	11.98	11.98	11.98	11.98	0.0
150	GPSPK	1	3	15.997	11.97	11.97	11.97	11.97	0.0
150	GPSPK	1	4	15.996	11.96	11.96	11.96	11.96	0.0
150	GPSPK	1	5	15.995	11.95	11.95	11.95	11.95	0.0
150	GPSPK	1	6	15.994	11.94	11.94	11.94	11.94	0.0
150	GPSPK	1	7	15.993	11.93	11.93	11.93	11.93	0.0
150	GPSPK	1	8	15.992	11.92	11.92	11.92	11.92	0.0
150	GPSPK	1	9	15.991	11.91	11.91	11.91	11.91	0.0
150	GPSPK	1	10	15.990	11.90	11.90	11.90	11.90	0.0
150	GPSPK	1	11	15.989	11.89	11.89	11.89	11.89	0.0
150	GPSPK	1	12	15.988	11.88	11.88	11.88	11.88	0.0
150	GPSPK	1	13	15.987	11.87	11.87	11.87	11.87	0.0
150	GPSPK	1	14	15.986	11.86	11.86	11.86	11.86	0.0
150	GPSPK	1	15	15.985	11.85	11.85	11.85	11.85	0.0
150	GPSPK	1	16	15.984	11.84	11.84	11.84	11.84	0.0
150	GPSPK	1	17	15.983	11.83	11.83	11.83	11.83	0.0
150	GPSPK	1	18	15.982	11.82	11.82	11.82	11.82	0.0
150	GPSPK	1	19	15.981	11.81	11.81	11.81	11.81	0.0
150	GPSPK	1	20	15.980	11.80	11.80	11.80	11.80	0.0
150	GPSPK	1	21	15.979	11.79	11.79	11.79	11.79	0.0
150	GPSPK	1	22	15.978	11.78	11.78	11.78	11.78	0.0
150	GPSPK	1	23	15.977	11.77	11.77	11.77	11.77	0.0
150	GPSPK	1	24	15.976	11.76	11.76	11.76	11.76	0.0
150	GPSPK	1	25	15.975	11.75	11.75	11.75	11.75	0.0
150	GPSPK	1	26	15.974	11.74	11.74	11.74	11.74	0.0
150	GPSPK	1	27	15.973	11.73	11.73	11.73	11.73	0.0
150	GPSPK	1	28	15.972	11.72	11.72	11.72	11.72	0.0
150	GPSPK	1	29	15.971	11.71	11.71	11.71	11.71	0.0
150	GPSPK	1	30	15.970	11.70	11.70	11.70	11.70	0.0
150	GPSPK	1	31	15.969	11.69	11.69	11.69	11.69	0.0
150	GPSPK	1	32	15.968	11.68	11.68	11.68	11.68	0.0
150	GPSPK	1	33	15.967	11.67	11.67	11.67	11.67	0.0
150	GPSPK	1	34	15.966	11.66	11.66	11.66	11.66	0.0
150	GPSPK	1	35	15.965	11.65	11.65	11.65	11.65	0.0
150	GPSPK	1	36	15.964	11.64	11.64	11.64	11.64	0.0
150	GPSPK	1	37	15.963	11.63	11.63	11.63	11.63	0.0
150	GPSPK	1	38	15.962	11.62	11.62	11.62	11.62	0.0
150	GPSPK	1	39	15.961	11.61	11.61	11.61	11.61	0.0
150	GPSPK	1	40	15.960	11.60	11.60	11.60	11.60	0.0
150	GPSPK	1	41	15.959	11.59	11.59	11.59	11.59	0.0
150	GPSPK	1	42	15.958	11.58	11.58	11.58	11.58	0.0
150	GPSPK	1	43	15.957	11.57	11.57	11.57	11.57	0.0
150	GPSPK	1	44	15.956	11.56	11.56	11.56	11.56	0.0
150	GPSPK	1	45	15.955	11.55	11.55	11.55	11.55	0.0
150	GPSPK	1	46	15.954	11.54	11.54	11.54	11.54	0.0
150	GPSPK	1	47	15.953	11.53	11.53	11.53	11.53	0.0
150	GPSPK	1	48	15.952	11.52	11.52	11.52	11.52	0.0
150	GPSPK	1	49	15.951	11.51	11.51	11.51	11.51	0.0
150	GPSPK	1	50	15.950	11.50	11.50	11.50	11.50	0.0
150	GPSPK	1	51	15.949	11.49	11.49	11.49	11.49	0.0
150	GPSPK	1	52	15.948	11.48	11.48	11.48	11.48	0.0
150	GPSPK	1	53	15.947	11.47	11.47	11.47	11.47	0.0
150	GPSPK	1	54	15.946	11.46	11.46	11.46	11.46	0.0
150	GPSPK	1	55	15.945	11.45	11.45	11.45	11.45	0.0
150	GPSPK	1	56	15.944	11.44	11.44	11.44	11.44	0.0
150	GPSPK	1	57	15.943	11.43	11.43	11.43	11.43	0.0
150	GPSPK	1	58	15.942	11.42	11.42	11.42	11.42	0.0
150	GPSPK	1	59	15.941	11.41	11.41	11.41	11.41	0.0
150	GPSPK	1	60	15.940	11.40	11.40	11.40	11.40	0.0
150	GPSPK	1	61	15.939	11.39	11.39	11.39	11.39	0.0
150	GPSPK	1	62	15.938	11.38	11.38	11.38	11.38	0.0
150	GPSPK	1	63	15.937	11.37	11.37	11.37	11.37	0.0
150	GPSPK	1	64	15.936	11.36	11.36	11.36	11.36	0.0
150	GPSPK	1	65	15.935	11.35	11.35	11.35	11.35	0.0
150	GPSPK	1	66	15.934	11.34	11.34	11.34	11.34	0.0
150	GPSPK	1	67	15.933	11.33	11.33	11.33	11.33	0.0
150	GPSPK	1	68	15.932	11.32	11.32	11.32	11.32	0.0
150	GPSPK	1	69	15.931	11.31	11.31	11.31	11.31	0.0
150	GPSPK	1	70	15.930	11.30	11.30	11.30	11.30	0.0
150	GPSPK	1	71	15.929	11.29	11.29	11.29	11.29	0.0
150	GPSPK	1	72	15.928	11.28	11.28	11.28	11.28	0.0
150	GPSPK	1	73	15.927	11.27	11.27	11.27	11.27	0.0
150	GPSPK	1	74	15.926	11.26	11.26	11.26	11.26	0.0
150	GPSPK	1	75	15.925	11.25	11.25	11.25	11.25	0.0
150	GPSPK	1	76	15.924	11.24	11.24	11.24	11.24	0.0
150	GPSPK	1	77	15.923	11.23	11.23	11.23	11.23	0.0
150	GPSPK	1	78	15.922	11.22	11.22	11.22	11.22	0.0
150	GPSPK	1	79	15.921	11.21	11.21	11.21	11.21	0.0
150	GPSPK	1	80	15.920	11.20	11.20	11.20	11.20	0.0
150	GPSPK	1	81	15.919	11.19	11.19	11.19	11.19	0.0
150	GPSPK	1	82	15.918	11.18	11.18	11.18	11.18	0.0
150	GPSPK	1	83	15.917	11.17	11.17	11.17	11.17	0.0
150	GPSPK	1	84	15.916	11.16	11.16	11.16	11.16	0.0
150	GPSPK	1	85	15.915	11.15	11.15	11.15	11.15	0.0
150	GPSPK	1	86	15.914	11.14	11.14	11.14	11.14	0.0
150	GPSPK	1	87	15.913	11.13	11.13	11.13	11.13	0.0
150	GPSPK	1	88	15.912	11.12	11.12	11.12	11.12	0.0
150	GPSPK	1	89	15.911	11.11	11.11	11.11	11.11	0.0
150	GPSPK	1	90	15.910	11.10	11.10	11.10	11.10	0.0
150	GPSPK	1	91	15.909	11.09	11.09	11.09	11.09	0.0
150	GPSPK	1	92	15.908	11.08	11.08	11.08	11.08	0.0
150	GPSPK	1	93	15.907	11.07	11.07	11.07	11.07	0.0
150	GPSPK	1	94	15.906	11.06	11.06	11.06	11.06	0.0
150	GPSPK	1	95	15.905	11.05	11.05	11.05	11.05	0.0
150	GPSPK	1	96	15.904	11.04	11.04	11.04	11.04	0.0
150	GPSPK	1	97	15.903	11.03	11.03	11.03	11.03	0.0
150	GPSPK	1	98	15.902	11.02	11.02	11.02	11.02	0.0
150	GPSPK	1	99	15.901	11.01	11.01	11.01	11.01	0.0
150	GPSPK	1	100	15.900	11.00	11.00	11.00	11.00	0.0
150	GPSPK	1	101	15.899	10.99	10.99	10.99	10.99	0.0
150	GPSPK	1	102	15.898	10.98	10.98	10.98	10.98	0.0
150	GPSPK	1	103	15.897	10.97	10.97	10.97	10.97	0.0
150	GPSPK	1	104	15.896	10.96	10.96	10.96	10.96	0.0
150	GPSPK	1	105	15.895	10.95	10.95	10.95	10.95	0.0
150	GPSPK	1	106	15.894	10.94	10.94	10.94	10.94	0.0
150	GPSPK	1	107	15.893	10.93	10.93	10.93	10.93	0.0
150	GPSPK	1	108	15.892	10.92	10.92	10.92	10.92	0.0
150	GPSPK	1	109	15.891	10.91	10.91	10.91	10.91	0.0
150	GPSPK	1	110	15.890	10.90	10.90	10.90	10.90	0.0
150	GPSPK	1	111	15.889	10.89	10.89	10.89	10.89	0.0
150	GPSPK	1	112	15.888	10.88	10.88	10.88	10.88	0.0
150	GPSPK	1	113	15.887	10.87	10.87	10.87	10.87	0.0
150	GPSPK	1	114	15.886	10.86	10.86	10.86	10.86	0.0
150	GPSPK	1	115	15.885	10.85	10.85	10.85	10.85	0.0
150	GPSPK	1	116	15.884	10.84	10.84	10.84	10.84	0.0
150	GPSPK	1	117	15.883	10.83	10.83	10.83	10.83	0.0
150	GPSPK	1	118	15.882	10.82	10.82	10.82	10.82	0.0
150	GPSPK	1	119	15.881	10.81	10.81	10.81	10.81	0.0
150	GPSPK	1	120	15.880	10.80	10.80	10.80	10.80	0.0
150	GPSPK	1	121	15.879	10.79	10.79	10.79	10.79	0.0
150	GPSPK	1	122	15.878	10.78	10.78	10.78	10.78	0.0
150	GPSPK	1	123	15.877	10.77	10.77	10.77	10.77	0.0
150	GPSPK	1	124	15.876	10.76	10.76	10.76	10.76	0.0
150	GPSPK	1	125	15.875	10.75	10.75	10.75	10.75	0.0
150	GPSPK	1	126	15.874	10.74	10.74	10.74	10.74	0.0
150	GPSPK	1	127	15.873	10.73	10.73	10.73	10.73	0.0
150	GPSPK	1	128	15.872	10.72	10.72	10.72	10.72	0.0
150	GPSPK	1	129	15.871	10.71	10.71	10.71	10.71	0.0
150	GPSPK	1	130	15.870	10.70	10.70	10.70	10.70	0.0
150	GPSPK	1	131	15.869	10.69	10.69	10.69	10.69	0.0
150	GPSPK	1	132	15.868	10.68	10.68	10.68	10.68	0.0

[illegible]

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RF MHz	Modulation	RB Size	RB Offset	Power Line Power (mW)	Power Max Power (mW)	Power Min Power (mW)	Power Avg Power (mW)	Time-up time (sec)	SNR (dB)
150	PI-PBSSS	1	1	17.31	17.42	16.88			
150	PI-PBSSS	1	1	17.31	17.42	16.88	16.5	0.0	0.0
150	PI-PBSSS	1	241	17.31	17.38	16.83			
150	PI-PBSSS	1	241	17.31	17.38	16.83	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.30	17.31	16.81			
150	PI-PBSSS	156	6	17.30	17.43	16.81	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.30	17.22	16.71			
150	PI-PBSSS	156	138	17.30	17.22	16.71	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.30	17.32	16.77			
150	PI-PBSSS	210	2	17.30	17.32	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.31	17.30	16.79			
150	PI-PBSSS	156	6	17.31	17.30	16.79	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.30	17.32	16.77			
150	PI-PBSSS	156	138	17.30	17.32	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.35	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	156	138	17.33	17.37	16.77			
150	PI-PBSSS	156	138	17.33	17.37	16.77	16.5	0.0	0.0
150	PI-PBSSS	210	2	17.34	17.34	16.82			
150	PI-PBSSS	210	2	17.34	17.34	16.82	16.5	0.0	0.0
150	PI-PBSSS	156	6	17.33	17.37	16.77			
150	PI-PBSSS	156	6	17.33	17.37	16.77	16.5	0.0	0.0

Part27Q_n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-on time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	P1/2 BPSK	1	1	14.73	14.83	14.83	14.48	15.5	0.0
100	P1/2 BPSK	1	137	14.73	14.83	14.83	14.48	15.5	0.0
100	P1/2 BPSK	1	271	14.74	14.83	14.82	14.36	15.5	0.0
100	P1/2 BPSK	135	5	14.74	14.84	14.82	14.32	15.5	0.0
100	P1/2 BPSK	135	89	14.74	14.84	14.82	14.32	15.5	0.0
100	P1/2 BPSK	135	138	14.88	14.88	14.88	14.39	15.5	0.0
100	P1/2 BPSK	271	5	14.81	14.81	14.80	14.31	15.5	0.0
100	QPSK	1	1	14.81	14.81	14.80	14.31	15.5	0.0
100	QPSK	1	137	14.77	14.88	14.80	14.40	15.5	0.0
100	QPSK	1	271	14.75	14.88	14.80	14.42	15.5	0.0
100	QPSK	135	5	14.72	14.83	14.88	14.43	15.5	0.0
100	QPSK	135	89	14.73	14.83	14.82	14.32	15.5	0.0
100	QPSK	135	138	14.72	14.81	14.88	14.44	15.5	0.0
100	QPSK	271	5	14.71	14.82	14.76	14.39	15.5	0.0
100	4QAM	1	1	14.74	14.74	14.74	14.49	15.5	0.0
100	256QAM	1	1	14.73	14.73	14.73	14.52	15.5	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.76	14.76	14.76	14.51	15.5	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.78	14.78	14.72	14.52	15.5	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	14.77	14.71	14.75	14.75	15.5	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.79	14.80	14.80	14.55	15.5	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.79	14.77	14.75	14.75	15.5	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.79	14.79	14.79	14.79	15.5	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	14.73	14.79	14.73	14.73	15.5	0.0
Channel									
Frequency [MHz]									
15	QPSK	1	1	14.75	14.76	14.77	14.77	15.5	0.0
Channel									
Frequency [MHz]									
15	QPSK	1	1	14.78	14.74	14.72	14.72	15.5	0.0

Part27O_n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	P1/2 BPSK	1	1	14.82	14.83	14.48			
100	P1/2 BPSK	1	137	14.53	14.72	14.44	15.5	0.0	
100	P1/2 BPSK	1	271	14.83	14.82	14.36			
100	P1/2 BPSK	135	5	14.82	14.85	14.32	15.5		
100	P1/2 BPSK	135	89	14.83	14.72	14.37	15.5		
100	P1/2 BPSK	135	138	14.85	14.82	14.39	15.5	0.0	
100	P1/2 BPSK	271	5	14.80	14.80	14.31			
100	QPSK	1	1	14.82	14.82	14.31			
100	QPSK	1	137	14.58	14.80	14.40	15.5	0.0	
100	QPSK	1	271	14.88	14.80	14.42			
100	QPSK	135	5	14.83	14.76	14.39	15.5	0.0	
100	QPSK	135	89	14.84	14.72	14.37	15.5		
100	QPSK	135	138	14.81	14.88	14.44	15.5	0.0	
100	QPSK	271	5	14.82	14.76	14.39			
100	4QAM	1	1	14.88	14.75	14.44	15.5	0.0	
100	256QAM	1	1	14.83	14.88	14.49	15.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.85	14.81	14.78	15.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.87	14.48	14.75	15.5	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	14.82	14.48	14.76	15.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.87	14.42	14.83	15.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.85	14.42	14.74	15.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	14.85	14.48	14.83	15.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	14.88	14.46	14.76	15.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	14.88	14.43	14.83	15.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	14.80	14.50	14.81	15.5	0.0	

Part27Q_n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-on time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	P1/2 BPSK	1	1	18.23	18.23	18.23	17.0	0.0	0.0
100	P1/2 BPSK	1	137	18.23	18.23	18.23	17.0	0.0	0.0
100	P1/2 BPSK	1	271	18.14	18.23	18.23	17.0	0.0	0.0
100	P1/2 BPSK	135	5	18.12	18.23	18.23	17.0	0.0	0.0
100	P1/2 BPSK	135	89	18.12	18.23	18.23	17.0	0.0	0.0
100	P1/2 BPSK	135	138	18.13	18.23	18.23	17.0	0.0	0.0
100	P1/2 BPSK	271	5	18.27	18.27	18.27	17.0	0.0	0.0
100	QPSK	1	1	18.23	18.23	18.23	17.0	0.0	0.0
100	QPSK	1	137	18.26	18.26	18.26	17.0	0.0	0.0
100	QPSK	1	271	18.23	18.23	18.23	17.0	0.0	0.0
100	QPSK	135	5	18.18	18.23	18.23	17.0	0.0	0.0
100	QPSK	135	89	18.21	18.23	18.23	17.0	0.0	0.0
100	QPSK	135	138	18.21	18.23	18.23	17.0	0.0	0.0
100	QPSK	271	5	18.26	18.26	18.27	17.0	0.0	0.0
100	4QAM	1	1	18.23	18.23	18.23	17.0	0.0	0.0
100	256QAM	1	1	18.22	18.22	18.22	17.0	0.0	0.0
100	256QAM	1	1	18.23	18.23	18.23	17.0	0.0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.16	18.16	18.26	17.0	0.0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.22	18.24	18.25	17.0	0.0	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	18.25	18.17	18.19	17.0	0.0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.22	18.14	18.26	17.0	0.0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.23	18.23	18.18	17.0	0.0	0.0

Part27Q_n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.08	833332	833696			
100	P12 BPSK	1	137	18.03			17.5	0.0	
100	P12 BPSK	1	271	18.04					
100	P12 BPSK	135	5	18.05			17.5	0.0	
100	P12 BPSK	135	89	18.06			17.5	0.0	
100	P12 BPSK	135	138	18.08			17.5	0.0	
100	P12 BPSK	271	5	18.02					
100	QPSK	1	1	18.11					
100	QPSK	1	137	18.01			17.5	0.0	
100	QPSK	1	271	18.02					
100	QPSK	135	5	18.08			17.5	0.0	
100	QPSK	135	89	18.02			17.5	0.0	
100	QPSK	135	138	18.05			17.5	0.0	
100	QPSK	271	5	18.04			17.5	0.0	
100	84QAM	1	1	18.03			17.5	0.0	
100	256QAM	1	1	18.02			17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	833696	834000	834332	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	833696	834000	834332	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
70	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
70	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	833696	834000	834332	Turn-up time (dBm)	MPR	(dB)
70	QPSK	1	1	833696	834000	834332	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
80	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
80	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
40	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
40	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
20	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
20	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
15	QPSK	1	1	833000	833332	833696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)
15	QPSK	1	1	833332	833696	834000	Turn-up time (dBm)	MPR	(dB)

Part27O_n78_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.20					
100	P12 BPSK	1	137	18.11			17.5	0.0	
100	P12 BPSK	1	271	18.12					
100	P12 BPSK	135	5	18.08			17.5	0.0	
100	P12 BPSK	135	89	18.05			17.5	0.0	
100	P12 BPSK	135	138	18.06			17.5	0.0	
100	P12 BPSK	271	5	18.05					
100	QPSK	1	1	18.23					
100	QPSK	1	137	18.10			17.5	0.0	
100	QPSK	1	271	18.15					
100	QPSK	135	5	18.14			17.5	0.0	
100	QPSK	135	89	18.13			17.5	0.0	
100	QPSK	135	138	18.08			17.5	0.0	
100	QPSK	271	5	18.11			17.5	0.0	
100	84QAM	1	1	18.07			17.5	0.0	
100	84QAM	1	1	18.15			17.5	0.0	
100	256QAM	1	1	18.05			17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.20	850000	850360	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	18.20	850000	850360	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.13	850000	850360	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.21	850000	850360	Turn-up time (dBm)	MPR	(dB)
70	QPSK	1	1	18.21	850000	850360	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.22	850000	850360	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.20	850000	850360	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.19	850000	850360	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.13	850000	850360	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.22	850000	850360	Turn-up time (dBm)	MPR	(dB)

Part27Q_n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.28					
100	P12 BPSK	1	137	18.21			18.0	0.0	
100	P12 BPSK	1	271	18.23					
100	P12 BPSK	135	5	18.10			18.0	0.0	
100	P12 BPSK	135	89	18.13			18.0	0.0	
100	P12 BPSK	135	138	18.07			18.05	0.0	
100	P12 BPSK	271	5	18.14			18.0	0.0	
100	QPSK	1	1	18.28					
100	QPSK	1	137	18.21			18.0	0.0	
100	QPSK	1	271	18.23					
100	QPSK	135	5	18.21			18.0	0.0	
100	QPSK	135	89	18.23			18.0	0.0	
100	QPSK	135	138	18.15			18.0	0.0	
100	QPSK	271	5	18.24			18.0	0.0	
100	84QAM	1	1	18.21			18.0	0.0	
100	256QAM	1	1	18.23			18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.26	863332	863696	Turn-up time (dBm)	MPR	(dB)
30	QPSK	1	1	18.26	863332	863696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.20	863332	863696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.28	863332	863696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.28	863332	863696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.26	863332	863696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.21	863332	863696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.22	863332	863696	Turn-up time (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.23	863332	863696	Turn-up time (dBm)	MPR	(dB)

Part27O_n78_Ant 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.21					
100	QPSK	1	137	18.03			19.0	0.0	
100	P12 BPSK	1	271	18.01					
100	P12 BPSK	155	0	18.02			19.0	0.0	
100	P12 BPSK	155	138	18.03			19.0	0.0	
100	P12 BPSK	155	271	18.01			19.0	0.0	
100	QPSK	1	1	18.21					
100	QPSK	1	137	18.03					
100	QPSK	1	271	18.01					
100	QPSK	155	0	18.02			19.0	0.0	
100	QPSK	155	138	18.03			19.0	0.0	
100	QPSK	155	271	18.01			19.0	0.0	
100	QPSK	155	138	18.06			19.0	0.0	
100	QPSK	270	0	18.07			19.0	0.0	
100	QPSK	270	138	18.01			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	
100	QPSK	270	138	18.06			19.0	0.0	
100	QPSK	270	271	18.01			19.0	0.0	
100	QPSK	270	138	18.05			19.0	0.0	
100	QPSK	270	271	18.02			19.0	0.0	

Part27Q_n78_Ant 21									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.78			20.0	0.0	
100	P12 BPSK	1	137	18.80					
100	P12 BPSK	1	271	18.81					
100	P12 BPSK	135	5	18.87			20.0	0.0	
100	P12 BPSK	135	89	18.83			20.0	0.0	
100	P12 BPSK	135	138	18.78			20.0	0.0	
100	P12 BPSK	271	5	18.80					
100	QPSK	1	1	18.80					
100	QPSK	1	137	18.79			20.0	0.0	
100	QPSK	1	271	18.77					
100	QPSK	135	5	18.80					
100	QPSK	135	89	18.83			20.0	0.0	
100	QPSK	135	138	18.79					
100	QPSK	271	5	18.80			20.0	0.0	
100	4QAM	1	1	18.82			20.0	0.0	
100	4QAM	1	1	18.74			20.0	0.0	
100	25QAM	1	1	18.70			20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.81	18.84		20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.42	18.58	18.78	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.53	18.58	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.49	18.58	18.74	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.44	18.50	18.63	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.49	18.50	18.51	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.49	18.40	18.83	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.46	18.61	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.55	18.58	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.50	18.60	18.70	20.0	0.0	

Part27O_n78_Ant 21									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.83			20.0	0.0	
100	P12 BPSK	1	137	18.85					
100	P12 BPSK	1	271	18.80					
100	P12 BPSK	135	5	18.84			20.0	0.0	
100	P12 BPSK	135	89	18.85			20.0	0.0	
100	P12 BPSK	135	138	18.82			20.0	0.0	
100	P12 BPSK	271	5	18.80					
100	QPSK	1	1	18.80					
100	QPSK	1	137	18.80			20.0	0.0	
100	QPSK	1	271	18.81					
100	QPSK	135	5	18.80					
100	QPSK	135	89	18.83			20.0	0.0	
100	QPSK	135	138	18.87					
100	QPSK	271	5	18.87			20.0	0.0	
100	4QAM	1	1	18.81			20.0	0.0	
100	25QAM	1	1	18.69			20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.43	18.47		20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.52	18.62	18.66	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.48	18.66	18.69	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.47	18.44	18.74	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.49	18.60	18.60	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.50	18.50	18.84	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.54	18.63	18.74	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.52	18.60	18.68	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.50	18.60	18.70	20.0	0.0	

Part27Q_n78_Ant 23									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	17.13					
100	P12 BPSK	1	137	17.05			18.0	0.0	
100	P12 BPSK	1	271	17.08					
100	P12 BPSK	135	5	17.14			18.0	0.0	
100	P12 BPSK	135	89	17.07			18.0	0.0	
100	P12 BPSK	135	138	17.05			18.0	0.0	
100	P12 BPSK	271	5	17.11			18.0	0.0	
100	QPSK	1	1	17.10					
100	QPSK	1	137	17.04			18.0	0.0	
100	QPSK	1	271	17.14					
100	QPSK	135	5	17.05			18.0	0.0	
100	QPSK	135	89	17.06			18.0	0.0	
100	QPSK	135	138	17.05			18.0		
100	QPSK	271	5	17.06			18.0	0.0	
100	4QAM	1	1	17.12			18.0	0.0	
100	25QAM	1	1	17.02			18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.92	16.91	17.00	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.77	16.89	17.11	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.82	16.87	17.01	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.74	16.80	17.00	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.89	16.84	17.13	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.82	16.85	17.15	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.84	16.80	17.00	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.81	16.70	17.01	18.0	0.0	

Part27O_n78_Ant 23									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up [sec]	Time-down [sec]	MPFS [%]
100	PID-BPSK	1	1	17.14					
100	PID-BPSK	1	101	17.14			18.0	0.0	
100	PID-BPSK	1	201	17.04					
100	PID-BPSK	1	251	17.04			18.0	0.0	
100	PID-BPSK	1	301	17.04			18.0	0.0	
100	PID-BPSK	1	351	17.04			18.0	0.0	
100	PID-BPSK	1	401	17.04			18.0	0.0	
100	PID-BPSK	100	100	17.11			18.0	0.0	
100	PID-BPSK	200	201	17.11			18.0	0.0	
100	QPSK	1	1	17.18					
100	QPSK	1	101	17.08			18.0	0.0	
100	QPSK	1	201	17.08					
100	QPSK	1	301	17.02			18.0	0.0	
100	QPSK	1	401	17.02			18.0	0.0	
100	QPSK	100	100	17.02			18.0	0.0	
100	QPSK	200	201	17.11			18.0	0.0	
100	QPSK	300	301	17.11			18.0	0.0	
100	QPSK	400	401	17.11			18.0	0.0	
100	QPSK	500	501	17.11			18.0	0.0	
100	QPSK	600	601	17.11			18.0	0.0	
100	QPSK	700	701	17.11			18.0	0.0	
100	QPSK	800	801	17.11			18.0	0.0	
100	QPSK	900	901	17.11			18.0	0.0	
100	QPSK	1000	1001	17.11			18.0	0.0	
100	QPSK	1100	1101	17.11			18.0	0.0	
100	QPSK	1200	1201	17.11			18.0	0.0	
100	QPSK	1300	1301	17.11			18.0	0.0	
100	QPSK	1400	1401	17.11			18.0	0.0	
100	QPSK	1500	1501	17.11			18.0	0.0	
100	QPSK	1600	1601	17.11			18.0	0.0	
100	QPSK	1700	1701	17.11			18.0	0.0	
100	QPSK	1800	1801	17.11			18.0	0.0	
100	QPSK	1900	1901	17.11			18.0	0.0	
100	QPSK	2000	2001	17.11			18.0	0.0	
100	QPSK	2100	2101	17.11			18.0	0.0	
100	QPSK	2200	2201	17.11			18.0	0.0	
100	QPSK	2300	2301	17.11			18.0	0.0	
100	QPSK	2400	2401	17.11			18.0	0.0	
100	QPSK	2500	2501	17.11			18.0	0.0	
100	QPSK	2600	2601	17.11			18.0	0.0	
100	QPSK	2700	2701	17.11			18.0	0.0	
100	QPSK	2800	2801	17.11			18.0	0.0	
100	QPSK	2900	2901	17.11			18.0	0.0	
100	QPSK	3000	3001	17.11			18.0	0.0	
100	QPSK	3100	3101	17.11			18.0	0.0	
100	QPSK	3200	3201	17.11			18.0	0.0	
100	QPSK	3300	3301	17.11			18.0	0.0	
100	QPSK	3400	3401	17.11			18.0	0.0	
100	QPSK	3500	3501	17.11			18.0	0.0	
100	QPSK	3600	3601	17.11			18.0	0.0	
100	QPSK	3700	3701	17.11			18.0	0.0	
100	QPSK	3800	3801	17.11			18.0	0.0	
100	QPSK	3900	3901	17.11			18.0	0.0	
100	QPSK	4000	4001	17.11			18.0	0.0	
100	QPSK	4100	4101	17.11			18.0	0.0	
100	QPSK	4200	4201	17.11			18.0	0.0	
100	QPSK	4300	4301	17.11			18.0	0.0	
100	QPSK	4400	4401	17.11			18.0	0.0	
100	QPSK	4500	4501	17.11			18.0	0.0	
100	QPSK	4600	4601	17.11			18.0	0.0	
100	QPSK	4700	4701	17.11			18.0	0.0	
100	QPSK	4800	4801	17.11			18.0	0.0	
100	QPSK	4900	4901	17.11			18.0	0.0	
100	QPSK	5000	5001	17.11			18.0	0.0	
100	QPSK	5100	5101	17.11			18.0	0.0	
100	QPSK	5200	5201	17.11			18.0	0.0	
100	QPSK	5300	5301	17.11			18.0	0.0	
100	QPSK	5400	5401	17.11			18.0	0.0	
100	QPSK	5500	5501	17.11			18.0	0.0	
100	QPSK	5600	5601	17.11			18.0	0.0	
100	QPSK	5700	5701	17.11			18.0	0.0	
100	QPSK	5800	5801	17.11			18.0	0.0	
100	QPSK	5900	5901	17.11			18.0	0.0	
100	QPSK	6000	6001	17.11			18.0	0.0	
100	QPSK	6100	6101	17.11			18.0	0.0	
100	QPSK	6200	6201	17.11			18.0	0.0	
100	QPSK	6300	6301	17.11			18.0	0.0	
100	QPSK	6400	6401	17.11			18.0	0.0	
100	QPSK	6500	6501	17.11			18.0	0.0	
100	QPSK	6600	6601	17.11			18.0	0.0	
100	QPSK	6700	6701	17.11			18.0	0.0	
100	QPSK	6800	6801	17.11			18.0	0.0	
100	QPSK	6900	6901	17.11			18.0	0.0	
100	QPSK	7000	7001	17.11			18.0	0.0	
100	QPSK	7100	7101	17.11			18.0	0.0	
100	QPSK	7200	7201	17.11			18.0	0.0	
100	QPSK	7300	7301	17.11			18.0	0.0	
100	QPSK	7400	7401	17.11			18.0	0.0	
100	QPSK	7500	7501	17.11			18.0	0.0	
100	QPSK	7600	7601	17.11			18.0	0.0	
100	QPSK	7700	7701	17.11			18.0	0.0	
100	QPSK	7800	7801	17.11			18.0	0.0	
100	QPSK	7900	7901	17.11			18.0	0.0	
100	QPSK	8000	8001	17.11			18.0	0.0	
100	QPSK	8100	8101	17.11			18.0	0.0	
100	QPSK	8200	8201	17.11			18.0	0.0	
100	QPSK	8300	8301	17.11			18.0	0.0	
100	QPSK	8400	8401	17.11			18.0	0.0	
100	QPSK	8500	8501	17.11			18.0	0.0	
100	QPSK	8600	8601	17.11			18.0	0.0	
100	QPSK	8700	8701	17.11			18.0	0.0	
100	QPSK	8800	8801	17.11			18.0	0.0	
100	QPSK	8900	8901	17.11			18.0	0.0	
100	QPSK	9000	9001	17.11			18.0	0.0	
100	QPSK	9100	9101	17.11			18.0	0.0	
100	QPSK	9200	9201	17.11			18.0	0.0	
100	QPSK	9300	9301	17.11			18.0	0.0	
100	QPSK	9400	9401	17.11			18.0	0.0	
100	QPSK	9500	9501	17.11			18.0	0.0	
100	QPSK	9600	9601	17.11			18.0	0.0	
100	QPSK	9700	9701	17.11			18.0	0.0	
100	QPSK	9800	9801	17.11			18.0	0.0	
100	QPSK	9900	9901	17.11			18.0	0.0	
100	QPSK	10000	10001	17.11			18.0	0.0	
100	QPSK	10100	10101	17.11			18.0	0.0	
100	QPSK	10200	10201	17.11			18.0	0.0	
100	QPSK	10300	10301	17.11			18.0	0.0	
100	QPSK	10400	10401	17.11			18.0	0.0	
100	QPSK	10500	10501	17.11			18.0	0.0	
100	QPSK	10600	10601	17.11			18.0	0.0	
100	QPSK	10700	10701	17.11			18.0	0.0	
100	QPSK	10800	10801	17.11			18.0	0.0	
100	QPSK	10900	10901	17.11			18.0	0.0	
100	QPSK	11000	11001	17.11			18.0	0.0	
100	QPSK	11100	11101	17.11			18.0	0.0	
100	QPSK	11200	11201	17.11			18.0	0.0	
100	QPSK	11300	11301	17.11			18.0	0.0	
100	QPSK	11400	11401	17.11			18.0	0.0	
100	QPSK	11500	11501	17.11			18.0	0.0	
100	QPSK	11600	11601	17.11			18.0	0.0	
100	QPSK	11700	11701	17.11			18.0	0.0	
100	QPSK	11800	11801	17.11			18.0	0.0	
100	QPSK	11900	11901	17.11			18.0	0.0	
100	QPSK	12000	12001	17.11			18.0	0.0	
100	QPSK	12100	12101	17.11			18.0	0.0	
100	QPSK	12200	12201	17.11			18.0	0.0	
100	QPSK	12300	12301	17.11			18.0	0.0	
100	QPSK	12400	12401	17.11			18.0	0.0	
100	QPSK	12500	12501	17.11			18.0	0.0	
100	QPSK	12600	12601	17.11			18.0	0.0	
100	QPSK	12700	12701	17.11			18.0	0.0	
100	QPSK	12800	12801	17.11			18.0	0.0	
100	QPSK	12900	12901	17.11			18.0	0.0	
100	QPSK	13000	13001	17.11			18.0	0.0	
100	QPSK	13100	13101	17.11			18.0	0.0	
100	QPSK	13200	13201	17.11			18.0	0.0	
100	QPSK	13300	13301	17.11			18.0	0.0	
100	QPSK	13400	13401	17.11			18.0	0.0	
100	QPSK	13500	13501	17.11			18.0	0.0	
100	QPSK	13600	13601	17.11			18.0	0.0	
100	QPSK	13700	13701	17.11			18.0	0.0	
100	QPSK	13800	13801	17.11			18.0	0.0	
100	QPSK	13900	13901	17.11			18.0	0.0	
100	QPSK	14000	14001	17.11			18.0	0.0	
100	QPSK	14100	14101	17.11			18.0	0.0	
100	QPSK	14200	14201	17.11			18.0	0.0	
100	QPSK	14300	14301	17.11			18.0	0.0	
100	QPSK	14400	14401	17.11			18.0	0.0	
100	QPSK	14500	14501	17.11			18.0	0.0	
100	QPSK	14							

Reduced Power Mode for DSI 10

n2_Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	15.54	15.02	15.55	17.5	0.0	
20	PI2-BPSK	1	5	15.71	15.85	15.86			
20	PI2-BPSK	1	104	15.83	15.97	15.98			
20	PI2-BPSK	50	5	15.70	15.82	15.85	17.5	0.0	
20	PI2-BPSK	50	25	15.77	15.82	15.85	17.5	0.0	
20	PI2-BPSK	50	56	15.64	15.75	15.72	17.5	0.0	
20	PI2-BPSK	100	5	15.73	15.83	15.75			
20	QPSK	1	1	15.54	15.02	15.55			
20	QPSK	1	5	15.60	15.95	15.61	17.5	0.0	
20	QPSK	1	104	15.66	15.91	15.67	17.5	0.0	
20	QPSK	50	5	15.73	15.81	15.75	17.5	0.0	
20	QPSK	50	25	15.74	15.81	15.75	17.5	0.0	
20	QPSK	50	56	15.77	15.81	15.80	17.5	0.0	
20	QPSK	100	5	15.75	15.86	15.85	17.5	0.0	
20	16QAM	1	1	15.65	15.79	15.77	17.5	0.0	
20	16QAM	1	1	15.77	15.88	15.75	17.5	0.0	
20	256QAM	1	1	15.70	15.87	15.77	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.83	15.98	15.75	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.83	16.01	15.87	17.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.84	16.00	15.88	17.5	0.0	

n2_Ant 13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
20	PI2-BPSK	1	1	16.50	16.39	16.54	18.5	0.0			
20	PI2-BPSK	1	5	16.82	16.91	16.84					
20	PI2-BPSK	1	104	16.77	16.83	16.82					
20	PI2-BPSK	50	5	16.77	16.80	16.82	18.5	0.0			
20	PI2-BPSK	50	25	16.86	16.85	16.85	18.5	0.0			
20	PI2-BPSK	50	56	16.73	16.84	16.81	18.5	0.0			
20	PI2-BPSK	100	5	16.80	16.74	16.84					
20	QPSK	1	1	16.54	17.07	16.55					
20	QPSK	1	5	16.86	16.94	16.85	18.5	0.0			
20	QPSK	1	104	16.85	16.80	16.81					
20	QPSK	50	5	16.82	16.88	16.82	18.5	0.0			
20	QPSK	50	25	16.95	16.92	16.95	18.5	0.0			
20	QPSK	50	56	16.81	16.88	16.83	18.5	0.0			
20	QPSK	100	5	16.84	16.90	16.85					
20	16QAM	1	1	16.85	16.84	16.82	18.5	0.0			
20	16QAM	1	1	16.91	16.88	16.89	18.5	0.0			
20	256QAM	1	1	16.87	16.83	16.83	18.5	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	16.82	16.86	16.85	18.5	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	16.88	16.79	16.89	18.5	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	16.87	16.84	16.86	18.5	0.0			

n5_Ant 13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
20	PI2-BPSK	1	1	23.61	23.71	23.62					
20	PI2-BPSK	1	5	23.54	23.61	23.57	25.0	0.0			
20	PI2-BPSK	1	104	23.45	23.48	23.47					
20	PI2-BPSK	50	5	23.57	23.15	23.10	24.5	0.5			
20	PI2-BPSK	50	25	23.51	23.05	23.05	24.5	0.5			
20	PI2-BPSK	50	56	22.98	23.07	23.02	24.5	0.5			
20	PI2-BPSK	100	5	23.12	23.15	23.13					
20	QPSK	1	1	23.62	23.62	23.61					
20	QPSK	1	5	23.57	23.60	23.59	25.0	0.0			
20	QPSK	1	104	23.44	23.48	23.38					
20	QPSK	50	5	22.65	22.69	22.65	24.0	1.0			
20	QPSK	50	25	22.76	22.60		24.0	1.0			
20	QPSK	50	56	22.42	22.50	22.43	24.0	1.0			
20	QPSK	100	5	22.54	22.59	22.48					
20	16QAM	1	1	22.75	22.62	22.61	24.0	1.0			
20	16QAM	1	1	21.41	21.45	21.42	22.5	2.5			
20	256QAM	1	1	18.31	18.32	18.31	20.5	4.5			
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.78	23.65	23.70	25.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.78	23.77	23.61	25.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	23.72	23.82	23.66	25.0	0.0			

n5_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PI2-BPSK	1	1	23.43	23.49	23.48	25.0	0.0	
20	PI2-BPSK	1	5	23.43	23.45	23.37			
20	PI2-BPSK	1	104	23.15	23.21	23.19			
20	PI2-BPSK	50	5	22.78	22.67	22.76	24.5	0.5	
20	PI2-BPSK	50	25	23.31	23.34	23.32	25.0	0.0	
20	PI2-BPSK	50	56	22.71	22.75	22.70	24.5	0.5	
20	PI2-BPSK	100	5	23.75	22.45	22.76			
20	QPSK	1	1	23.12	23.57	23.45			
20	QPSK	1	5	23.48	23.45	23.35	25.0	0.0	
20	QPSK	1	104	23.18	23.25	23.17			
20	QPSK	50	5	22.29	22.59	22.29	24.0	1.0	
20	QPSK	50	25	23.15	22.75		24.0	1.0	
20	QPSK	50	56	22.58	22.19	22.17	24.0	1.0	
20	16QAM	1	1	22.58	22.55	22.55	24.0	1.0	
20	16QAM	1	1	21.82	21.10	21.03	22.5	2.5	
20	256QAM	1	1	18.44	16.15	16.06	20.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.43	23.50	23.44	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.43	23.53	23.47	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.41	23.52	23.39	25.0	0.0	

n7_Ant 1									
RF [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Time-up time (min)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PUS BPSK	1	1	17.18	17.32	17.23	18.5	0.0	
40	PUS BPSK	1	104	17.14	17.18	17.20	18.5	0.0	
40	PUS BPSK	1	214	17.11	17.28	17.14	18.5	0.0	
40	PUS BPSK	104	0	17.04	17.18	17.07	18.5	0.0	
40	PUS BPSK	104	54	17.05	17.05	17.05	18.5	0.0	
40	PUS BPSK	104	104	16.94	17.17	17.09	18.5	0.0	
40	PUS BPSK	214	0	16.95	17.18	17.00	18.5	0.0	
40	QPSK	1	1	17.24	17.32	17.28	18.5	0.0	
40	QPSK	1	104	17.18	17.28	17.23	18.5	0.0	
40	QPSK	1	214	17.15	17.32	17.23	18.5	0.0	
40	QPSK	104	0	17.07	17.23	17.14	18.5	0.0	
40	QPSK	104	54	17.05	17.05	17.05	18.5	0.0	
40	QPSK	104	104	17.04	17.28	17.15	18.5	0.0	
40	QPSK	214	0	17.04	17.32	17.11	18.5	0.0	
40	16QAM	1	1	17.08	17.28	17.13	18.5	0.0	
40	16QAM	1	1	17.09	17.21	17.09	18.5	0.0	
40	256QAM	1	1	17.11	17.24	17.14	18.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.05	17.23	17.05	18.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.13	17.28	17.13	18.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.12	17.23	17.13	18.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	17.14	17.28	17.13	18.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	17.13	17.23	17.13	18.5	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	17.11	17.23	17.11	18.5	0.0	

n7_Ant 13									
RF [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Time-up time (min)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PUS BPSK	1	1	13.48	13.54	13.47	14.5	0.0	
40	PUS BPSK	1	104	13.42	13.45	13.43	14.5	0.0	
40	PUS BPSK	1	214	13.47	13.45	13.39	14.5	0.0	
40	PUS BPSK	104	0	13.33	13.42	13.31	14.5	0.0	
40	PUS BPSK	104	54	13.44	13.45	13.38	14.5	0.0	
40	PUS BPSK	104	104	13.40	13.41	13.43	14.5	0.0	
40	PUS BPSK	214	0	13.34	13.52	13.44	14.5	0.0	
40	QPSK	1	1	13.52	13.52	13.34	14.5	0.0	
40	QPSK	1	104	13.50	13.50	13.54	14.5	0.0	
40	QPSK	1	214	13.48	13.52	13.37	14.5	0.0	
40	QPSK	104	0	13.41	13.45	13.52	14.5	0.0	
40	QPSK	104	54	13.45	13.52	13.38	14.5	0.0	
40	QPSK	104	104	13.48	13.45	13.52	14.5	0.0	
40	QPSK	214	0	13.38	13.52	13.51	14.5	0.0	
40	16QAM	1	1	13.43	13.45	13.50	14.5	0.0	
40	16QAM	1	1	13.41	13.48	13.49	14.5	0.0	
40	256QAM	1	1	13.48	13.45	13.52	14.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	13.43	13.43	13.43	14.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	13.44	13.48	13.48	14.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	13.45	13.52	13.47	14.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	13.47	13.52	13.44	14.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	13.45	13.45	13.45	14.5	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	13.47	13.48	13.50	14.5	0.0	

n7_Ant_31									
RF [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Time-up time (min)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PUS BPSK	1	1	21.58	21.62	21.58	23.0	0.0	
40	PUS BPSK	1	104	21.52	21.59	21.48	23.0	0.0	
40	PUS BPSK	1	214	21.45	21.49	21.54	23.0	0.0	
40	PUS BPSK	104	0	21.38	21.58	21.38	23.0	0.0	
40	PUS BPSK	104	54	21.42	21.52	21.48	23.0	0.0	
40	PUS BPSK	104	104	21.29	21.42	21.47	23.0	0.0	
40	PUS BPSK	214	0	21.41	21.52	21.35	23.0	0.0	
40	QPSK	1	1	21.62	21.62	21.62	23.0	0.0	
40	QPSK	1	104	21.58	21.62	21.58	23.0	0.0	
40	QPSK	1	214	21.50	21.52	21.38	23.0	0.0	
40	QPSK	104	0	21.43	21.60	21.44	23.0	0.0	
40	QPSK	104	54	21.42	21.62	21.45	23.0	0.0	
40	QPSK	104	104	21.38	21.52	21.51	23.0	0.0	
40	QPSK	214	0	21.42	21.58	21.46	23.0	0.0	
40	16QAM	1	1	21.48	21.52	21.43	23.0	0.0	
40	16QAM	1	1	21.38	21.54	21.37	23.0	0.0	
40	256QAM	1	1	21.64	21.62	21.64	23.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.52	21.52	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.58	21.59	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.49	21.54	21.54	23.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.54	21.61	21.53	23.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.52	21.52	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	21.50	21.54	21.54	23.0	0.0	

n26_Ant 13									
RF [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Time-up time (min)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PUS BPSK	1	1	24.03	24.04	23.94	25.0	0.0	
20	PUS BPSK	1	80	23.94	23.97	23.91	25.0	0.0	
20	PUS BPSK	1	104	23.92	23.98	23.91	25.0	0.0	
20	PUS BPSK	80	0	23.99	24.01	23.98	24.5	0.0	
20	PUS BPSK	80	80	23.93	23.94	23.87	24.5	0.0	
20	PUS BPSK	100	0	23.97	24.00	23.98	24.5	0.0	
20	PUS BPSK	100	80	23.97	23.98	23.91	25.0	0.0	
20	PUS BPSK	100	104	23.95	23.99	23.91	25.0	0.0	
20	SPSK	56	0	22.88	22.90	22.87	24.0	1.0	
20	SPSK	56	56	22.88	22.91	22.87	24.0	1.0	
20	SPSK	100	0	22.96	22.99	22.93	23.5	0.0	
20	SPSK	100	56	22.91	22.92	22.86	24.0	1.0	
20	SPSK	100	100	22.96	23.00	22.96	24.0	1.0	
20	WCDMA	1	1	21.50	21.53	21.47	23.0	2.0	
20	WCDMA	1	1	19.54	19.59	19.53	20.5	4.0	
Frequency [MHz]									
15	SPSK	56	0	82.15	82.15	82.15	(off)	0.0	
15	SPSK	56	56	23.06	23.08	23.04	23.5	0.0	
15	SPSK	100	0	81.15	81.15	81.15	(off)	0.0	
15	SPSK	100	56	23.08	23.09	23.04	23.5	0.0	
15	SPSK	100	100	23.08	23.08	23.04	23.5	0.0	
Channel									
Frequency [MHz]									
5	SPSK	56	0	23.58	23.64	23.56	25.0	0.0	

n26_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. dBm	Power Mdn Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PUS BPSK	1	1	23.75	23.78	23.67	25.0	0.0	
30	PUS BPSK	1	50	23.83	23.80	23.80	25.0	0.0	
30	PUS BPSK	1	104	23.95	23.84	23.53	25.0	0.0	
30	PUS BPSK	50	5	23.97	23.19	23.06	24.5	0.0	
30	PUS BPSK	50	28	23.98	23.98	23.98	25.0	0.0	
30	PUS BPSK	50	56	23.24	23.25	23.16	24.5	0.5	
30	PUS BPSK	100	5	23.98	23.95	23.72	25.0	0.0	
30	QPSK	1	1	23.75	23.82	23.77	25.0	0.0	
30	QPSK	1	50	23.88	23.71	23.62	25.0	0.0	
30	QPSK	1	104	23.98	23.88	23.62	25.0	0.0	
30	QPSK	50	5	22.96	22.87	22.84	24.0	1.0	
30	QPSK	50	28	23.98	23.98	23.98	25.0	0.0	
30	QPSK	50	56	22.89	22.72	22.68	24.0	1.0	
30	QPSK	100	5	22.98	22.89	22.86	25.0	0.0	
30	16QAM	1	1	22.70	22.81	22.65	24.0	1.0	
30	16QAM	1	1	21.29	21.40	21.39	22.5	2.5	
30	256QAM	1	1	18.24	18.32	18.26	20.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.87	23.81	23.74	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.78	23.78	23.67	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.71	23.72	23.71	25.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. dBm	Power Mdn Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Turn-up time (min)	MPR (dB)
Channel									
Frequency (MHz)									
40	PUS BPSK	1	1	18.84	18.87	18.85		20.0	0.0
40	PUS BPSK	1	168	18.80	18.98	18.94		20.0	0.0
40	PUS BPSK	1	214	18.82	18.94	18.91		20.0	0.0
40	PUS BPSK	100	5	18.85	18.86	18.79		20.0	0.0
40	PUS BPSK	100	54	18.85	18.91	18.95		20.0	0.0
40	PUS BPSK	100	108	18.89	18.93	18.77		20.0	0.0
40	PUS BPSK	210	5	18.90	18.96	18.94		20.0	0.0
40	QPSK	1	1	18.82	18.92	18.94		20.0	0.0
40	QPSK	1	100	18.82	18.98	18.97		20.0	0.0
40	QPSK	1	214	18.85	18.91	18.93		20.0	0.0
40	QPSK	100	5	18.90	18.93	18.89		20.0	0.0
40	QPSK	100	54	18.96	18.96	18.96		20.0	0.0
40	QPSK	100	108	18.97	18.91	18.87		20.0	0.0
40	QPSK	210	5	18.95	18.95	18.95		20.0	0.0
40	16QAM	1	1	18.97	18.95	18.96		20.0	0.0
40	16QAM	1	1	18.98	18.91	18.95		20.0	0.0
40	256QAM	1	1	18.91	18.93	18.93		20.0	0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.92	18.95	18.96		20.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.97	18.91	18.95		20.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.90	18.89	18.87		20.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.90	17.94	17.76		20.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.91	18.96	18.95		20.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.17	17.62	17.73		20.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.14	18.91	18.70		20.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.97	18.95	18.91		20.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.96	18.96	18.98		20.0	0.0

n66_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. dBm	Power Mdn Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUS BPSK	1	1	18.38	18.52	18.44	19.5	0.0	
40	PUS BPSK	1	168	18.25	18.39	18.31	19.5	0.0	
40	PUS BPSK	1	214	18.38	18.38	18.42	19.5	0.0	
40	PUS BPSK	100	5	18.39	18.34	18.30	19.5	0.0	
40	PUS BPSK	100	54	18.27	18.43	18.34	19.5	0.0	
40	PUS BPSK	100	108	18.30	18.52	18.28	19.5	0.0	
40	PUS BPSK	210	5	18.34	18.31	18.36	19.5	0.0	
40	QPSK	1	1	18.42	18.53	18.51	19.5	0.0	
40	QPSK	1	100	18.39	18.46	18.42	19.5	0.0	
40	QPSK	1	214	18.42	18.45	18.45	19.5	0.0	
40	QPSK	100	5	18.31	18.49	18.38	19.5	0.0	
40	QPSK	100	54	18.47	18.47	18.45	19.5	0.0	
40	QPSK	100	108	18.32	18.42	18.31	19.5	0.0	
40	QPSK	210	5	18.38	18.41	18.35	19.5	0.0	
40	16QAM	1	1	18.35	18.45	18.38	19.5	0.0	
40	16QAM	1	1	18.35	18.38	18.34	19.5	0.0	
40	256QAM	1	1	18.29	18.41	18.35	19.5	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.29	18.40	18.36	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.35	18.42	18.31	19.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.31	18.40	18.36	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.93	17.98	17.76	19.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.17	17.62	17.73	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.14	18.91	18.37	19.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.33	18.40	18.38	19.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq. dBm	Power Mdn Ch./F.Freq. dBm	Power Tgt Ch./F.Freq. dBm	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUS BPSK	1	1	20.83	20.71	20.74			
40	CPUS BPSK	1	168	20.83	20.71	20.74	22.0	0.0	
40	PUS BPSK	1	214	20.83	20.82	20.81			
40	CPUS BPSK	1	169	20.84	20.81	20.81	22.0	0.0	
40	PUS BPSK	1	215	20.84	20.79	20.81	22.0	0.0	
40	CPUS BPSK	1	168	20.87	20.73	20.75	22.0	0.0	
40	CPUS BPSK	1	215	20.87	20.73	20.75	22.0	0.0	
40	CPUS BPSK	1	169	20.71	20.82	20.75			
40	CPUS BPSK	1	214	20.83	20.71	20.74	22.0	0.0	
40	CPUS BPSK	1	215	20.86	20.70	20.84	22.0	0.0	
40	CPUS BPSK	1	168	20.84	20.77	20.85	22.0	0.0	
40	CPUS BPSK	1	214	20.84	20.77	20.85	22.0	0.0	
40	CPUS BPSK	1	215	20.87	20.68	20.81	22.0	0.0	
40	CPUS BPSK	1	169	20.87	20.68	20.81	22.0	0.0	
40	CPUS BPSK	1	214	20.80	20.91	20.81	22.0	0.0	
Channel									
Frequency (MHz)									
35	CPUS BPSK	1	168	14.60	14.50	14.50			MPR
35	CPUS BPSK	1	214	14.60	14.52	14.52			MPR
35	CPUS BPSK	1	215	20.89	20.78	20.79	22.0	0.0	
35	CPUS BPSK	1	169	20.89	20.78	20.79	22.0	0.0	
Channel									
Frequency (MHz)									
35	CPUS BPSK	1	168	17.24	17.14	17.08			MPR
35	CPUS BPSK	1	214	17.24	17.16	17.16			MPR
35	CPUS BPSK	1	215	20.89	20.79	20.79	22.0	0.0	
35	CPUS BPSK	1	169	20.89	20.79	20.79	22.0	0.0	
Channel									
Frequency (MHz)									
35	CPUS BPSK	1	168	14.60	14.50	14.50			MPR
35	CPUS BPSK	1	214	14.60	14.52	14.52			MPR
35	CPUS BPSK	1	215	20.89	20.78	20.79	22.0	0.0	
35	CPUS BPSK	1	169	20.89	20.78	20.79	22.0	0.0	
Channel									
Frequency (MHz)									
35	CPUS BPSK	1	168	17.24	17.14	17.17			MPR
35	CPUS BPSK	1	214	17.24	17.17	17.17			MPR
35	CPUS BPSK	1	215	20.89	20.79	20.79	22.0	0.0	
35	CPUS BPSK	1	169	20.89	20.79	20.79	22.0	0.0	
Channel									
Frequency (MHz)									
35	CPUS BPSK	1	168	17.24	17.14	17.17			MPR
35	CPUS BPSK	1	214	17.24	17.17	17.17			MPR
35	CPUS BPSK	1	215	20.89	20.79	20.79	22.0	0.0	
35	CPUS BPSK	1	169	20.89	20.79	20.79	22.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	18.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	17.24	17.34	17.32	18.5	0.0	
40	PI2 BPSK	1	53	17.31	17.44	17.34			
40	PI2 BPSK	1	104	17.29	17.39	17.29	18.5	0.0	
40	PI2 BPSK	50	0	17.35	17.34	17.30			
40	PI2 BPSK	50	28	17.33	17.42	17.32	18.5	0.0	
40	PI2 BPSK	50	56	17.30	17.35	17.28			
40	PI2 BPSK	100	0	17.29	17.40	17.29	18.5	0.0	
40	QPSK	1	1	17.45	17.45	17.45			
40	QPSK	1	53	17.26	17.36	17.39	18.5	0.0	
40	QPSK	1	104	17.34	17.38	17.40			
40	QPSK	50	0	17.36	17.35	17.30	18.5	0.0	
40	QPSK	50	28	17.35	17.40	17.33			
40	QPSK	50	56	17.28	17.37	17.30	18.5	0.0	
40	QPSK	100	0	17.28	17.33	17.30			
40	16QAM	1	1	17.35	17.44	17.29	18.5	0.0	
40	16QAM	1	1	17.26	17.35	17.35			
40	256QAM	1	1	17.27	17.38	17.35	18.5	0.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.24	17.37	17.29	18.5	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.30	17.33	17.28	18.5	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.31	17.35	17.32	18.5	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.31	17.34	17.39	18.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	15.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	13.89	13.92	13.91	15.0	0.0	
40	PI2 BPSK	1	53	13.85	13.95	13.95			
40	PI2 BPSK	1	104	13.91	13.99	13.94	15.0	0.0	
40	PI2 BPSK	50	0	13.80	13.97	13.92			
40	PI2 BPSK	50	28	13.83	13.94	13.94	15.0	0.0	
40	PI2 BPSK	50	56	13.91	13.91	13.92			
40	PI2 BPSK	100	0	13.86	13.93	13.90	15.0	0.0	
40	QPSK	1	1	13.95	14.04	13.95			
40	QPSK	1	53	13.88	13.99	13.96	15.0	0.0	
40	QPSK	1	104	13.80	13.90	13.83			
40	QPSK	50	0	13.81	13.93	13.95	15.0	0.0	
40	QPSK	50	28	13.91	13.98	13.95			
40	QPSK	50	56	13.81	13.88	13.89	15.0	0.0	
40	QPSK	100	0	13.85	13.95	13.94			
40	16QAM	1	1	13.81	13.91	13.83	15.0	0.0	
40	16QAM	1	1	13.83	13.95	13.87			
40	256QAM	1	1	13.84	13.93	13.83	15.0	0.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.84	13.95	13.93	15.0	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.80	13.92	13.83	15.0	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.84	13.94	13.93	15.0	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.82	13.90	13.86	15.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.83	22.96	22.82	24.0	0.0	
40	PI2 BPSK	1	53	22.86	22.86	22.85			
40	PI2 BPSK	1	104	22.93	22.90	22.88	24.0	0.0	
40	PI2 BPSK	50	0	22.92	22.93	22.91			
40	PI2 BPSK	50	28	22.90	22.95	22.78	24.0	0.0	
40	PI2 BPSK	50	56	22.87	22.86	22.88			
40	PI2 BPSK	100	0	22.93	22.94	22.93	24.0	0.0	
40	QPSK	1	1	22.95	23.00	22.94			
40	QPSK	1	53	22.91	22.90	22.90	24.0	0.0	
40	QPSK	1	104	22.92	22.96	22.89			
40	QPSK	50	0	22.25	22.20	22.25	23.5	0.5	
40	QPSK	50	28	22.65	22.67	22.61			
40	QPSK	50	56	22.29	22.34	22.25	23.5	0.5	
40	QPSK	100	0	22.22	22.28	22.21			
40	16QAM	1	1	22.30	22.28	22.21	23.5	0.5	
40	16QAM	1	1	20.81	20.78	20.75			
40	256QAM	1	1	18.76	18.81	18.74	20.0	4.0	
Channel				517002	516000	520998			
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.92	22.94	22.90	24.0	0.0	
Channel				516005	516000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.86	22.94	22.84	24.0	0.0	
Channel				515502	516000	522598			
Frequency (MHz)				2597.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.82	22.96	22.81	24.0	0.0	
Channel				515004	516000	522996			
Frequency (MHz)				2595.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.85	22.87	22.79	24.0	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5185.98	5200.00			
Frequency (MHz)				2546.01	2592.99	2546			
100	P12 BPSK	1	1	17.99	17.98	17.95			
100	P12 BPSK	1	137	17.89	17.98	17.89	19.0	0.0	
100	P12 BPSK	1	271	17.86	17.90	17.84			
100	P12 BPSK	135	0	17.87	17.95	17.84	19.0	0.0	
100	P12 BPSK	135	69	17.87	17.88	17.82	19.0	0.0	
100	P12 BPSK	135	138	17.82	17.89	17.94	19.0	0.0	
100	P12 BPSK	270	0	17.98	17.97	17.93			
100	QPSK	1	1	17.93	18.04	17.95			
100	QPSK	1	137	17.91	17.97	17.95	19.0	0.0	
100	QPSK	1	271	17.94	18.00	17.94			
100	QPSK	135	0	17.87	17.95	17.91	19.0	0.0	
100	QPSK	135	69	17.91	17.95	17.94	19.0	0.0	
100	QPSK	135	138	17.85	17.93	17.90	19.0	0.0	
100	QPSK	270	0	17.98	17.99	17.90			
100	16QAM	1	1	17.95	17.91	17.88	19.0	0.0	
100	64QAM	1	1	17.96	17.91	17.85	19.0	0.0	
100	256QAM	1	1	17.98	17.95	17.88	19.0	0.0	
Channel				5062.00	5185.98	5269.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2547	2592.99	2544.98			
90	QPSK	1	1	17.80	17.85	17.83	19.0	0.0	
Channel				5072.04	5185.98	5295.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2549.99			
80	QPSK	1	1	17.94	17.91	17.88	19.0	0.0	
Channel				5082.02	5185.98	5310.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2555			
70	QPSK	1	1	17.93	18.00	17.94	19.0	0.0	
Channel				5092.00	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2559.98			
60	QPSK	1	1	17.97	17.94	17.84	19.0	0.0	
Channel				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2554.99			
50	QPSK	1	1	17.90	17.93	17.83	19.0	0.0	
Channel				5032.02	5185.98	5340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2570			
40	QPSK	1	1	17.94	17.96	17.83	19.0	0.0	
Channel				5022.00	5185.98	5349.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2574.98			
30	QPSK	1	1	17.94	17.94	17.83	19.0	0.0	
Channel				5012.04	5185.98	5359.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2579.99			
20	QPSK	1	1	17.95	17.93	17.85	19.0	0.0	
Channel				5007.00	5185.98	5364.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2582.48			
15	QPSK	1	1	17.94	17.97	17.86	19.0	0.0	
Channel				5002.02	5185.98	5370.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2585			
10	QPSK	1	1	17.87	18.00	17.84	19.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5185.98	5200.00			
Frequency (MHz)				2546.01	2592.99	2546			
100	P12 BPSK	1	1	13.99	14.02	13.99			
100	P12 BPSK	1	137	13.97	14.02	14.01	15.0	0.0	
100	P12 BPSK	1	271	13.93	14.03	13.94			
100	P12 BPSK	135	0	13.93	14.04	14.00	15.0	0.0	
100	P12 BPSK	135	69	13.97	14.06	14.00	15.0	0.0	
100	P12 BPSK	135	138	14.01	14.06	13.91	15.0	0.0	
100	P12 BPSK	270	0	13.96	13.99	13.92			
100	QPSK	1	1	14.00	14.10	14.05			
100	QPSK	1	137	13.98	13.98	14.02	15.0	0.0	
100	QPSK	1	271	13.92	13.97	13.91			
100	QPSK	135	0	14.00	13.95	13.99	15.0	0.0	
100	QPSK	135	69	14.01	14.05	14.01	15.0	0.0	
100	QPSK	135	138	13.94	13.99	13.90	15.0	0.0	
100	QPSK	270	0	13.92	14.01	13.92			
100	16QAM	1	1	14.00	14.01	13.95	15.0	0.0	
100	64QAM	1	1	13.99	13.98	14.02	15.0	0.0	
100	256QAM	1	1	14.01	14.03	13.91	15.0	0.0	
Channel				5062.00	5185.98	5269.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2547	2592.99	2544.98			
90	QPSK	1	1	14.00	13.95	13.99	15.0	0.0	
Channel				5072.04	5185.98	5295.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2549.99			
80	QPSK	1	1	14.03	14.05	13.99	15.0	0.0	
Channel				5082.02	5185.98	5310.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2555			
70	QPSK	1	1	14.02	14.04	13.98	15.0	0.0	
Channel				5092.00	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2559.98			
60	QPSK	1	1	14.04	13.99	13.90	15.0	0.0	
Channel				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2554.99			
50	QPSK	1	1	13.97	14.03	13.92	15.0	0.0	
Channel				5032.02	5185.98	5340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2570			
40	QPSK	1	1	14.03	14.04	13.93	15.0	0.0	
Channel				5022.00	5185.98	5349.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2574.98			
30	QPSK	1	1	13.97	13.94	13.99	15.0	0.0	
Channel				5012.04	5185.98	5359.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2579.99			
20	QPSK	1	1	13.98	14.05	14.01	15.0	0.0	
Channel				5007.00	5185.98	5364.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2582.48			
15	QPSK	1	1	14.02	14.02	13.95	15.0	0.0	
Channel				5002.02	5185.98	5370.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2585			
10	QPSK	1	1	14.00	13.96	13.91	15.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5185.98	5200.00			
Frequency (MHz)				2546.01	2592.99	2546			
100	P12 BPSK	1	1	21.74	21.85	21.77			
100	P12 BPSK	1	137	21.77	21.86	21.82	23.0	0.0	
100	P12 BPSK	1	271	21.77	21.83	21.78			
100	P12 BPSK	135	0	21.85	21.83	21.84	23.0	0.0	
100	P12 BPSK	135	69	21.77	21.80	21.78	23.0	0.0	
100	P12 BPSK	135	138	21.83	21.81	21.75	23.0	0.0	
100	P12 BPSK	270	0	21.81	21.87	21.73			
100	QPSK	1	1	21.85	21.85	21.88			
100	QPSK	1	137	21.88	21.90	21.73	23.0	0.0	
100	QPSK	1	271	21.78	21.83	21.79			
100	QPSK	135	0	21.75	21.83	21.74	23.0	0.0	
100	QPSK	135	69	21.88	21.80	21.75	23.0	0.0	
100	QPSK	135	138	21.81	21.85	21.72	23.0	0.0	
100	QPSK	270	0	21.75	21.88	21.74	23.0	0.0	
100	16QAM	1	1	21.82	21.91	21.77			
100	64QAM	1	1	21.22	21.26	21.20	22.5	0.5	
100	256QAM	1	1	19.26	19.25	19.25	20.5	2.5	
Channel				50520.00	51859.98	52000.00			
Frequency (MHz)				2546.01	2592.99	2546.00			
90	QPSK	1	1	21.84	21.87	21.78	23.0	0.0	
Channel				50720.04	51859.98	52000.00			
Frequency (MHz)				2562.00	2609.00	2562.00			
80	QPSK	1	1	21.74	21.86	21.75	23.0	0.0	
Channel				50532.01	51859.98	52000.00			
Frequency (MHz)				2551.01	2592.99	2551			
70	QPSK	1	1	21.80	21.81	21.74	23.0	0.0	
Channel				50536.00	51859.98	52000.00			
Frequency (MHz)				2556.00	2592.99	2556.00			
60	QPSK	1	1	21.80	21.84	21.82	23.0	0.0	
Channel				50536.00	51859.98	52000.00			
Frequency (MHz)				2556.00	2592.99	2556.00			
50	QPSK	1	1	21.82	21.81	21.80	23.0	0.0	
Channel				50532.01	51859.98	52000.00			
Frequency (MHz)				2551.01	2592.99	2551.01			
40	QPSK	1	1	21.75	21.81	21.74	23.0	0.0	
Channel				50520.00	51859.98	52000.00			
Frequency (MHz)				2551.01	2592.99	2548.98			
30	QPSK	1	1	21.80	21.85	21.82	23.0	0.0	
Channel				50120.04	51859.98	52000.00			
Frequency (MHz)				2506.02	2592.99	2509.99			
20	QPSK	1	1	21.85	21.86	21.74	23.0	0.0	
Channel				50120.04	51859.98	52000.00			
Frequency (MHz)				2505.05	2592.99	2502.48			
15	QPSK	1	1	21.75	21.91	21.74	23.0	0.0	
Channel				50520.02	51859.98	52000.00			
Frequency (MHz)				2552.00	2592.99	2548.98			
10	QPSK	1	1	21.85	21.84	21.80	23.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq.	Power Masks Ch./F.Freq.	Power Hgt Ch./F.Freq.	Turnup time (min)	MFR (dB)		
Channel										
Frequency [MHz]										
100	P12-BPSK	1	1	15.40				16.5	0.0	
100	P12-BPSK	1	137	15.43						
100	P12-BPSK	1	271	15.43				16.5	0.0	
100	P12-BPSK	135	5	15.39						
100	P12-BPSK	135	86	15.41				16.5	0.0	
100	P12-BPSK	135	138	15.37						
100	P12-BPSK	270	5	15.35				16.5	0.0	
100	QPSK	1	1	15.52						
100	QPSK	1	137	15.40				16.5	0.0	
100	QPSK	1	271	15.50						
100	QPSK	135	5	15.38				16.5	0.0	
100	QPSK	135	86	15.43						
100	QPSK	135	138	15.40				16.5	0.0	
100	QPSK	270	5	15.36						
100	QPSK	1	1	15.36				16.5	0.0	
100	84QAM	1	1	15.38						
100	84QAM	1	1	15.33				16.5	0.0	
Channel				833000	833032	833068	Turnup time	MFR		
Frequency [MHz]				833000	833032	833068	3469.98			
90	QPSK	1	1	15.51				16.5	0.0	
Channel				833068	833032	834000	Turnup time	MFR		
Frequency [MHz]				833068	833032	834000	3469.98			
80	QPSK	1	1	15.48				16.5	0.0	
Channel				833032	833032	833032	Turnup time	MFR		
Frequency [MHz]				833032	833032	833032	3469.98			
70	QPSK	1	1	15.50				16.5	0.0	
Channel				833032	833032	833032	Turnup time	MFR		
Frequency [MHz]				833032	833032	833032	3469.98			
60	QPSK	1	1	15.47				16.5	0.0	
Channel				833032	833032	833032	Turnup time	MFR		
Frequency [MHz]				833032	833032	833032	3469.98			
50	QPSK	1	1	15.43				16.5	0.0	
Channel				833032	833032	833032	Turnup time	MFR		
Frequency [MHz]				833032	833032	833032	3469.98			
40	QPSK	1	1	15.43				16.5	0.0	
Channel				833032	833032	833068	Turnup time	MFR		
Frequency [MHz]				833032	833032	833068	3469.98			
30	QPSK	1	1	15.44				16.5	0.0	
Channel				833032	833032	833068	Turnup time	MFR		
Frequency [MHz]				833032	833032	833068	3469.98			
20	QPSK	1	1	15.42				16.5	0.0	
Channel				833032	833032	833068	Turnup time	MFR		
Frequency [MHz]				833032	833032	833068	3469.98			
15	QPSK	1	1	15.51				16.5	0.0	
Channel				833032	833032	833068	Turnup time	MFR		
Frequency [MHz]				833032	833032	833068	3469.98			
10	QPSK	1	1	15.45				16.5	0.0	
Channel				833032	833032	833068	Turnup time	MFR		
Frequency [MHz]				833032	833032	833068	3469.98			

Part27O_n77_Ant 11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq.	Power Masks Ch./F.Freq.	Power Hgt Ch./F.Freq.	Turn-up time (min)	MFR (dB)		
Channel										
Frequency [MHz]										
100	P12-BPSK	1	1	15.29				18.5	0.0	
100	P12-BPSK	1	137	15.22						
100	P12-BPSK	1	271	15.21				18.5	0.0	
100	P12-BPSK	135	5	15.14						
100	P12-BPSK	135	86	15.13				18.5	0.0	
100	P12-BPSK	135	138	15.15						
100	P12-BPSK	270	5	15.12				18.5	0.0	
100	QPSK	1	1	15.32						
100	QPSK	1	137	15.28				18.5	0.0	
100	QPSK	1	271	15.27						
100	QPSK	135	5	15.18				18.5	0.0	
100	QPSK	135	86	15.23						
100	QPSK	135	138	15.20				18.5	0.0	
100	QPSK	270	5	15.15						
100	84QAM	1	1	15.15				18.5	0.0	
100	84QAM	1	1	15.12						
100	84QAM	1	1	15.22				18.5	0.0	
Channel				840688	840696	840700	Turn-up time	MFR		
Frequency [MHz]				840688	840696	840700	3469.98			
90	QPSK	1	1	15.34				18.5	0.0	
Channel				840334	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840334	840332	840336	3469.98			
80	QPSK	1	1	15.36				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			
70	QPSK	1	1	15.39				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			
60	QPSK	1	1	15.41				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			
50	QPSK	1	1	15.38				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			
40	QPSK	1	1	15.41				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			
30	QPSK	1	1	15.38				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			
20	QPSK	1	1	15.33				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			
15	QPSK	1	1	15.39				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			
10	QPSK	1	1	15.36				18.5	0.0	
Channel				840336	840332	840336	Turn-up time	MFR		
Frequency [MHz]				840336	840332	840336	3469.98			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq.	Power Masks Ch./F.Freq.	Power Hgt Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P12-BPSK	1	1	17.27			18.0	0.0	
100	P12-BPSK	1	139	17.25					
100	P12-BPSK	1	273	17.28			18.0	0.0	
100	P12-BPSK	135	5	17.25					
100	P12-BPSK	135	86	17.25			18.0	0.0	
100	P12-BPSK	135	138	17.32					
100	P12-BPSK	270	5	17.24			18.0	0.0	
100	QPSK	1	1	17.43					
100	QPSK	1	139	17.37			18.0	0.0	
100	QPSK	1	273	17.37					
100	QPSK	135	5	17.32			18.0	0.0	
100	QPSK	135	86	17.33					
100	QPSK	135	138	17.35			18.0	0.0	
100	QPSK	270	5	17.25					
100	16QAM	1	1	17.28			18.0	0.0	
100	84QAM	1	1	17.28					
Channel				833000	833032	833068	Turn-up time	MFR	
Frequency [MHz]				833000	833032	833068	Turn-up time	MFR	
50	QPSK	1	1	17.25	16.98	17.37	18.0	0.0	
Channel				833068	833032	833000			
Frequency [MHz]				833068	833032	833000	Turn-up time	MFR	
80	QPSK	1	1	17.24	17.25	17.35	18.0	0.0	
Channel				833234	833032	833432			
Frequency [MHz]				833234	833032	833432	Turn-up time	MFR	
75	QPSK	1	1	17.32	17.28	17.36	18.0	0.0	
Channel				833000	833032	833068			
Frequency [MHz]				833000	833032	833068	Turn-up time	MFR	
60	QPSK	1	1	17.32	17.28	17.36	18.0	0.0	
Channel				833000	833032	833068			
Frequency [MHz]				833000	833032	833068	Turn-up time	MFR	
50	QPSK	1	1	17.34	17.30	17.31	18.0	0.0	
Channel				833132	833032	833232			
Frequency [MHz]				833132	833032	833232	Turn-up time	MFR	
40	QPSK	1	1	17.31	17.26	17.39	18.0	0.0	
Channel				833100	833032	833130			
Frequency [MHz]				833100	833032	833130	Turn-up time	MFR	
30	QPSK	1	1	17.28	17.24	17.32	18.0	0.0	
Channel				833000	833032	833068			
Frequency [MHz]				833000	833032	833068	Turn-up time	MFR	
20	QPSK	1	1	17.24	17.20	17.16	18.0	0.0	
Channel				833000	833032	833068			
Frequency [MHz]				833000	833032	833068	Turn-up time	MFR	
15	QPSK	1	1	17.26	17.22	17.13	18.0	0.0	
Channel				833000	833032	833068			
Frequency [MHz]				833000	833032	833068	Turn-up time	MFR	
10	QPSK	1	1	17.30	17.25	17.10	18.0	0.0	
Channel				833000	833032	833068			
Frequency [MHz]				833000	833032	833068	Turn-up time	MFR	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-on time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	14.73	93333				
100	P1/2 BPSK	1	137	14.73	93333				
100	P1/2 BPSK	1	271	14.74	93333		15.5	0.0	
100	P1/2 BPSK	135	5	14.94	93333		15.5	0.0	
100	P1/2 BPSK	135	89	14.74	93333		15.5	0.0	
100	P1/2 BPSK	135	138	14.89	93333		15.5	0.0	
100	P1/2 BPSK	271	5	14.51	93333				
100	QPSK	1	1	14.81	93333				
100	QPSK	1	137	14.77	93333		15.5	0.0	
100	QPSK	1	271	14.75	93333				
100	QPSK	135	5	14.72	93333		15.5	0.0	
100	QPSK	135	89	14.70	93333		15.5	0.0	
100	QPSK	135	138	14.72	93333		15.5	0.0	
100	QPSK	271	5	14.71	93333		15.5	0.0	
100	4QAM	1	1	14.74	93333		15.5	0.0	
100	256QAM	1	1	14.73	93333		15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.76	93333	93333	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.78	93333	93333	15.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.77	93333	93333	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.79	93333	93333	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.79	93333	93333	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.79	93333	93333	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.73	93333	93333	15.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.75	93333	93333	15.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.74	93333	93333	15.5	0.0	

Part27Q_n77_Ant 21									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-on time (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	14.82	14.83	14.48			
100	P1/2 BPSK	1	137	14.53	14.72	14.44		15.5	0.0
100	P1/2 BPSK	1	271	14.83	14.82	14.36			
100	P1/2 BPSK	135	5	14.82	14.85	14.32		15.5	0.0
100	P1/2 BPSK	135	89	14.83	14.72	14.27		15.5	0.0
100	P1/2 BPSK	135	138	14.85	14.82	14.39		15.5	0.0
100	P1/2 BPSK	271	5	14.80	14.85	14.31			
100	QPSK	1	1	14.83	14.83	14.33			
100	QPSK	1	137	14.58	14.83	14.44		15.5	0.0
100	QPSK	1	271	14.88	14.84	14.42			
100	QPSK	135	5	14.83	14.88	14.43		15.5	0.0
100	QPSK	135	89	14.84	14.75	14.31		15.5	0.0
100	QPSK	135	138	14.81	14.88	14.44			
100	QPSK	271	5	14.83	14.76	14.39		15.5	0.0
100	4QAM	1	1	14.86	14.75	14.41		15.5	0.0
100	4QAM	1	1	14.83	14.88	14.48		15.5	0.0
100	256QAM	1	1	14.85	14.75	14.42		15.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.85	14.81	14.78		15.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.87	14.48	14.75		15.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.82	14.48	14.76		15.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.89	14.42	14.83		15.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.85	14.48	14.83		15.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.88	14.46	14.76		15.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.88	14.43	14.63		15.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.80	14.50	14.81		15.5	0.0

Part27Q_n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-on time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	15.23			17.0	0.0	
100	P1/2 BPSK	1	137	15.25					
100	P1/2 BPSK	1	271	15.14					
100	P1/2 BPSK	135	5	15.12			17.0	0.0	
100	P1/2 BPSK	135	89	15.12			17.0	0.0	
100	P1/2 BPSK	135	138	15.13			17.0	0.0	
100	P1/2 BPSK	271	5	15.27					
100	QPSK	1	1	15.29					
100	QPSK	1	137	15.26			17.0	0.0	
100	QPSK	1	271	15.25					
100	QPSK	135	5	15.18			17.0	0.0	
100	QPSK	135	89	15.21			17.0	0.0	
100	QPSK	135	138	15.21					
100	QPSK	271	5	15.26			17.0	0.0	
100	4QAM	1	1	15.22			17.0	0.0	
100	256QAM	1	1	15.25			17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.16	15.17	15.26	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.22	15.24	15.25	17.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.25	15.17	15.19	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.22	15.17	15.20	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.23	15.23	15.18	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.25	15.17	15.21	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.26	15.20	15.21	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.20	15.27	15.17	17.0	0.0	

Part27Q_n77_Ant 23									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	15.17	15.73	15.34			
100	P1/2 BPSK	1	137	15.18	15.69	15.38	17.0	0.0	
100	P1/2 BPSK	1	271	15.14	15.72	15.25			
100	P1/2 BPSK	128	0	15.44	15.66	15.73			
100	P1/2 BPSK	128	128	15.22	15.68	15.72	17.0	0.0	
100	P1/2 BPSK	256	0	15.22	15.67	15.71			
100	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
100	QPSK	1	271	15.14	15.68	15.25			
100	QPSK	128	0	15.34	15.68	15.25			
100	QPSK	128	128	15.40	15.73	15.25	17.0	0.0	
100	QPSK	256	0	15.50	15.65	15.27	17.0	0.0	
100	QPSK	256	128	15.48	15.68	15.25	17.0	0.0	
100	16QAM	1	1	15.17	15.73	15.34	17.0	0.0	
100	16QAM	1	137	15.18	15.69	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
80	QPSK	1	271	15.14	15.68	15.25			
80	QPSK	1	1572	15.12	15.25	15.25	17.0	0.0	
70	QPSK	1	1	15.18	15.33	15.21	17.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	137	15.18	15.69	15.38	17.0	0.0	

[illegible]

Part270_n78_Ant 11									
RF [MHz]	Modulation	File Size	RF Offset	Audio Type Ch. 1 / Ch. 2	Channel Frequency [MHz]	Power High [dBm]	Power Low [dBm]	Transmit time [sec]	MP3 [sec]
100	FM RPTMS	1	1		16.26				
100	FM RPTMS	1	1		16.17				
100	FM RPTMS	1	271		16.12			17.8	0.0
100	FM RPTMS	136	6		16.38			17.5	0.0
100	FM RPTMS	136	136		16.38			17.5	0.0
100	FM RPTMS	270	1		16.00			17.8	0.0
100	FM RPTMS	270	1		16.23				
100	FM RPTMS	1	137		16.18			17.5	0.0
100	FM RPTMS	136	271		16.12				
100	FM RPTMS	136	6		16.14			17.5	0.0
100	FM RPTMS	136	136		16.06				
100	FM RPTMS	270	6		16.11			17.5	0.0
100	FM RPTMS	270	1		16.27			17.5	0.0
100	FM RPTMS	1	1		16.15			17.5	0.0
100	FM RPTMS	1	1		16.03			17.5	0.0
Channel									
90	Frequency Mod	1	64598	000000	000032	16.00	15.99	17.5	MP3
90	Frequency Mod	1	7162	000000	000032	16.00	15.99	17.5	MP3
90	Frequency Mod	1	64598	000000	000032	16.00	15.99	17.5	MP3
90	Frequency Mod	1	64598	000000	000032	16.00	15.99	17.5	MP3
80	FM RPTMS	1	1		16.13	16.22	15.12	17.8	0.0
Channel									
70	Frequency Mod	1	64598	000000	000032	16.00	15.99	17.5	MP3
70	Frequency Mod	1	64598	000000	000032	16.00	15.99	17.5	MP3
70	FM RPTMS	1	1		16.21	16.15	16.12	17.5	0.0
Channel									
60	Frequency Mod	1	7162	000000	000032	16.00	15.99	17.5	MP3
60	Frequency Mod	1	7162	000000	000032	16.00	15.99	17.5	MP3
60	Frequency Mod	1	64598	000000	000032	16.00	15.99	17.5	MP3
60	Frequency Mod	1	64598	000000	000032	16.00	15.99	17.5	MP3
60	FM RPTMS	1	1		16.20	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.18	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.16	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.14	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.12	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.10	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.08	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.06	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.04	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.02	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		16.00	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		15.98	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		15.96	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		15.94	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		15.92	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		15.90	16.17	16.16	17.5	0.0
60	FM RPTMS	1	1		15.88	16.17	16.16	17.5	0.0

[illegible][illegible]

Part27Q_n78_Ant 21									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.78			20.0	0.0	
100	P12 BPSK	1	137	18.80					
100	P12 BPSK	1	271	18.81					
100	P12 BPSK	135	5	18.87			20.0	0.0	
100	P12 BPSK	135	89	18.83			20.0	0.0	
100	P12 BPSK	135	138	18.78			20.0	0.0	
100	P12 BPSK	271	5	18.80					
100	QPSK	1	1	18.80					
100	QPSK	1	137	18.79			20.0	0.0	
100	QPSK	1	271	18.77					
100	QPSK	135	5	18.80					
100	QPSK	135	89	18.83			20.0	0.0	
100	QPSK	135	138	18.79					
100	QPSK	271	5	18.80			20.0	0.0	
100	4QAM	1	1	18.82			20.0	0.0	
100	4QAM	1	1	18.74			20.0	0.0	
100	25QAM	1	1	18.70			20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.81	18.84		20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.42	18.58	18.78	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.53	18.58	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.49	18.50	18.51	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.49	18.40	18.83	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.46	18.61	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.55	18.58	18.67	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.55	18.63	18.60	20.0	0.0	

Part27O_n78_Ant 21									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.83			20.0	0.0	
100	P12 BPSK	1	137	18.85					
100	P12 BPSK	1	271	18.80					
100	P12 BPSK	135	5	18.84			20.0	0.0	
100	P12 BPSK	135	89	18.85			20.0	0.0	
100	P12 BPSK	135	138	18.82			20.0	0.0	
100	P12 BPSK	271	5	18.80					
100	QPSK	1	1	18.80					
100	QPSK	1	137	18.80			20.0	0.0	
100	QPSK	1	271	18.81					
100	QPSK	135	5	18.80					
100	QPSK	135	89	18.83			20.0	0.0	
100	QPSK	135	138	18.87					
100	QPSK	271	5	18.87			20.0	0.0	
100	4QAM	1	1	18.81			20.0	0.0	
100	25QAM	1	1	18.69			20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.43	18.47		20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.52	18.62	18.66	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.48	18.66	18.69	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.47	18.46	18.51	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.49	18.40	18.84	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.54	18.63	18.74	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.52	18.60	18.68	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.56	18.62	18.62	20.0	0.0	

Part27Q_n78_Ant 23									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	17.13			18.0	0.0	
100	P12 BPSK	1	137	17.05					
100	P12 BPSK	1	271	17.08					
100	P12 BPSK	135	5	17.14			18.0	0.0	
100	P12 BPSK	135	89	17.07			18.0	0.0	
100	P12 BPSK	135	138	17.05			18.0	0.0	
100	P12 BPSK	271	5	17.11			18.0	0.0	
100	QPSK	1	1	17.10					
100	QPSK	1	137	17.04			18.0	0.0	
100	QPSK	1	271	17.14					
100	QPSK	135	5	17.05			18.0	0.0	
100	QPSK	135	89	17.06			18.0	0.0	
100	QPSK	135	138	17.05			18.0		
100	QPSK	271	5	17.06			18.0	0.0	
100	4QAM	1	1	17.12			18.0	0.0	
100	25QAM	1	1	17.02			18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.92	16.95	17.00	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.77	16.89	17.11	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.82	16.87	17.01	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.79	16.82	17.08	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.69	16.84	17.13	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.82	16.95	17.15	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.84	16.89	17.05	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.81	16.82	17.01	18.0	0.0	

Part27O_n78_Ant 23									
RF [MHz]	Modulation	RF Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	17.14			18.0	0.0	
100	P12 BPSK	1	137	17.07					
100	P12 BPSK	1	271	17.04					
100	P12 BPSK	135	5	17.14			18.0	0.0	
100	P12 BPSK	135	89	17.06			18.0	0.0	
100	P12 BPSK	135	138	17.11			18.0	0.0	
100	P12 BPSK	271	5	17.01					
100	QPSK	1	1	17.10					
100	QPSK	1	137	17.08			18.0	0.0	
100	QPSK	1	271	17.00					
100	QPSK	135	5	17.02			18.0	0.0	
100	QPSK	135	89	17.03			18.0	0.0	
100	QPSK	135	138	17.02			18.0	0.0	
100	QPSK	271	5	17.11			18.0	0.0	
100	QPSK	271	89	17.05			18.0	0.0	
100	QPSK	271	138	17.02			18.0	0.0	
100	QPSK	271	139	17.04			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02			18.0	0.0	
100	QPSK	271	139	17.02					

WLAN/Bluetooth Power

<WLAN 2.4GHz FCC>

				Full Power		Head(Receiver on) Standalone	Head(Receiver on) Simultaneous	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous/Hotspot on	Duty Cycle %
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 22		Ant 22		Ant 22		
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
	802.11b 1Mbps	1	2412	19.40	20.00	16.80	17.50	14.40	15.50	98.80
		6	2437	19.10	20.00	16.50	17.80	14.10	15.50	
	802.11g 6Mbps	11	2462	19.20	20.00	16.70	17.50	14.20	15.50	97.84
		1	2412	17.80	19.90	17.50	17.50	15.50	17.80	
	802.11n-HT20 MCS0	6	2437	17.40	19.00	17.50	17.50	15.50	17.40	98.05
		11	2462	17.16	18.50	17.50	17.50	15.50	17.16	
	802.11n-HT40 MCS0	1	2412	16.80	19.00	17.50	17.50	15.50	16.80	94.67
		6	2437	16.30	18.00	17.50	17.50	15.50	16.30	
	802.11ac-VHT20 MCS0	3	2422	17.10	18.00	Not Required	17.50	15.50	17.10	98.05
		6	2437	17.30	18.00	Not Required	17.50	15.50	17.30	
	802.11ac-VHT40 MCS0	1	2412	16.54	18.00	17.50	17.50	15.50	16.54	98.05
		6	2437	16.24	18.00	17.50	17.50	15.50	16.24	
	802.11ac-VHT40 MCS0	3	2422	17.00	18.00	17.50	17.50	15.50	17.00	94.67
		6	2437	17.21	18.00	17.50	17.50	15.50	17.21	
		9	2452	15.41	18.50	16.50	16.50	15.50	15.41	

<WLAN 5GHz FCC>

				Full Power		Head(Receiver on) Standalone	Head(Receiver on) Simultaneous	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous/Hotspot on	Duty Cycle %
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 22		Ant 22		Ant 22		
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
	802.11a 6Mbps	36	5180	18.12	20.00	13.50	13.50	12.00	13.72	97.80
		40	5200	18.63	20.00	13.50	13.50	12.00	18.63	
	802.11n-HT20 MCS0	44	5220	18.55	20.00	13.50	13.50	12.00	18.55	98.12
		48	5240	18.53	20.00	13.50	13.50	12.00	18.53	
	802.11n-HT40 MCS0	36	5180	18.31	19.50	13.50	13.50	12.00	18.31	96.25
		40	5200	18.15	19.50	13.50	13.50	12.00	18.15	
	802.11ac-VHT20 MCS0	44	5220	17.34	19.50	13.50	13.50	12.00	17.34	96.25
		48	5240	18.19	19.50	13.50	13.50	12.00	18.19	
	802.11ac-VHT40 MCS0	36	5180	17.80	19.50	13.50	13.50	12.00	17.80	96.58
		40	5200	17.65	19.50	13.50	13.50	12.00	17.65	
	802.11ac-VHT80 MCS0	44	5220	17.41	19.00	13.50	13.50	12.00	17.41	93.54
		48	5240	17.66	19.00	13.50	13.50	12.00	17.66	
	802.11ac-VHT80 MCS0	36	5180	17.70	19.50	13.50	13.50	12.00	17.70	92.35
		48	5250	17.39	19.00	13.50	13.50	12.00	17.39	
		42	5210	16.25	17.00	12.60	13.50	11.15	12.00	

				Full Power		Head(Receiver on) Standalone	Head(Receiver on) Simultaneous	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous	Duty Cycle %
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 22		Ant 22		Ant 22		
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
	802.11a 6Mbps	52	5280	18.86	20.00	13.50	13.50	12.00	16.50	97.90
		56	5300	18.92	20.00	13.50	13.50	12.00	16.50	
	802.11n-HT20 MCS0	60	5300	18.11	19.50	13.50	13.50	12.00	16.50	98.12
		64	5320	18.11	19.50	13.50	13.50	12.00	16.50	
	802.11n-HT40 MCS0	52	5280	18.21	19.50	13.50	13.50	12.00	16.50	96.25
		64	5320	18.39	19.50	13.50	13.50	12.00	16.50	
	802.11ac-VHT20 MCS0	52	5280	17.87	19.00	13.50	13.50	12.00	16.50	96.58
		60	5300	17.59	19.00	13.50	13.50	12.00	16.50	
	802.11ac-VHT40 MCS0	52	5280	17.85	19.00	13.50	13.50	12.00	16.50	93.54
		64	5320	18.21	19.00	13.50	13.50	12.00	16.50	
	802.11ac-VHT80 MCS0	52	5280	16.37	17.00	13.50	13.50	12.00	16.50	92.35
		58	5290	15.41	16.50	12.83	13.50	11.27	12.00	

				Full Power		Head(Receiver on) Standalone	Head(Receiver on) Simultaneous	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous	Duty Cycle %
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 22		Ant 22		Ant 22		
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
	802.11a 6Mbps	100	5800	18.20	19.50	16.50	16.50	15.00	17.00	97.90
		116	5840	18.26	20.00	16.50	16.50	15.00	17.00	
	802.11n-HT20 MCS0	124	5820	18.73	20.00	16.50	16.50	15.00	17.00	98.12
		132	5860	18.58	20.00	16.50	16.50	15.00	17.00	
	802.11n-HT40 MCS0	140	5900	14.08	16.50	16.50	16.50	14.00	15.50	96.25
		144	5920	18.73	20.00	16.50	16.50	15.00	17.00	
	802.11ac-VHT20 MCS0	100	5800	14.88	16.50	16.50	16.50	15.00	17.00	96.58
		116	5860	15.24	19.50	16.50	16.50	15.00	17.00	
	802.11ac-VHT40 MCS0	124	5820	18.11	19.50	16.50	16.50	15.00	17.00	93.54
		132	5860	18.05	19.50	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	140	5900	8.68	19.50	16.50	16.50	15.00	17.00	92.35
		144	5920	18.15	19.50	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	102	5810	16.36	17.50	16.50	16.50	15.00	17.00	96.25
		110	5850	17.35	19.00	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	128	5830	17.87	19.00	16.50	16.50	15.00	17.00	96.58
		134	5870	17.16	19.50	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	142	5910	17.84	19.00	16.50	16.50	15.00	17.00	93.54
		100	5800	14.80	16.50	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	116	5860	17.70	19.00	16.50	16.50	15.00	17.00	92.35
		124	5820	17.57	19.00	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	132	5860	17.53	19.00	16.50	16.50	15.00	17.00	96.58
		140	5900	8.64	19.50	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	144	5920	17.60	19.00	16.50	16.50	15.00	17.00	93.54
		102	5810	16.50	17.50	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	110	5850	17.30	19.00	16.50	16.50	15.00	17.00	96.25
		128	5830	17.79	19.00	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	134	5870	17.10	19.50	16.50	16.50	15.00	17.00	93.54
		142	5910	17.75	19.00	16.50	16.50	15.00	17.00	
	802.11ac-VHT80 MCS0	108	5830	14.19	19.00	14.19	15.00	14.19	15.00	92.35
		122	5810	16.71	17.50	15.80	16.50	14.20	15.00	
		138	5890	16.36	17.50	15.40	16.80	13.95	15.00	

				Full Power		Head(Receiver on) Standalone	Head(Receiver on) Simultaneous	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous/Hotspot on	Duty Cycle %			
				Ant 22		Ant 22		Ant 22			Ant 22		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit (min)	Average power (dBm)	Time-Up Limit (min)	Average power (dBm)	Time-Up Limit (min)	Average power (dBm)	Time-Up Limit (min)	Average power (dBm)	Time-Up Limit (min)	
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.06	20.00	14.00	14.00	12.50	15.00	12.00	12.00	97.90	
		157	5785	18.44	20.00	14.00	14.00	12.50	15.00	12.00	12.00		
	802.11n-HT20 MCS0	165	5825	18.66	20.00	14.00	14.00	12.50	15.00	12.00	12.00	98.12	
		149	5745	18.63	19.50	14.00	14.00	12.50	15.00	12.00	12.00		
	802.11n-HT40 MCS0	157	5785	18.90	19.50	14.00	14.00	12.50	15.00	12.00	12.00	96.25	
		169	5869	18.01	19.50	14.00	14.00	12.50	15.00	12.00	12.00		
	802.11ac-VHT20 MCS0	151	5795	18.51	19.00	Not Required	Not Required	Not Required	15.00	Not Required	12.00	12.00	96.25
		159	5795	17.89	19.00	14.00	14.00	12.50	15.00	12.00	12.00		
	802.11ac-VHT40 MCS0	148	5745	18.12	19.00	14.00	14.00	12.50	15.00	12.00	12.00	96.25	
		158	5825	17.49	19.00	14.00	14.00	12.50	15.00	12.00	12.00		
	802.11ac-VHT80 MCS0	151	5795	18.44	19.00	14.00	14.00	12.50	15.00	12.00	12.00	96.25	
		159	5795	17.89	19.00	14.00	14.00	12.50	15.00	12.00	12.00		
802.11ac-VHT160 MCS0	155	5775	16.45	17.50	12.79	14.00	11.36	12.50	13.81	15.00	10.00	12.00	92.35



<Bluetooth_FCC>

			Art. 22		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.20	9.60	9.60
	CH 39	2441	13.10	10.30	10.30
	CH 76	2480	12.70	9.90	9.90
Tune-up Limit			14	11	11

			Art. 22		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	Tune-up Limit
LE	CH 00	2402	6.30	6.40	8
	CH 19	2440	7.70	7.80	9.5
	CH 39	2480	8.20	8.20	9.5