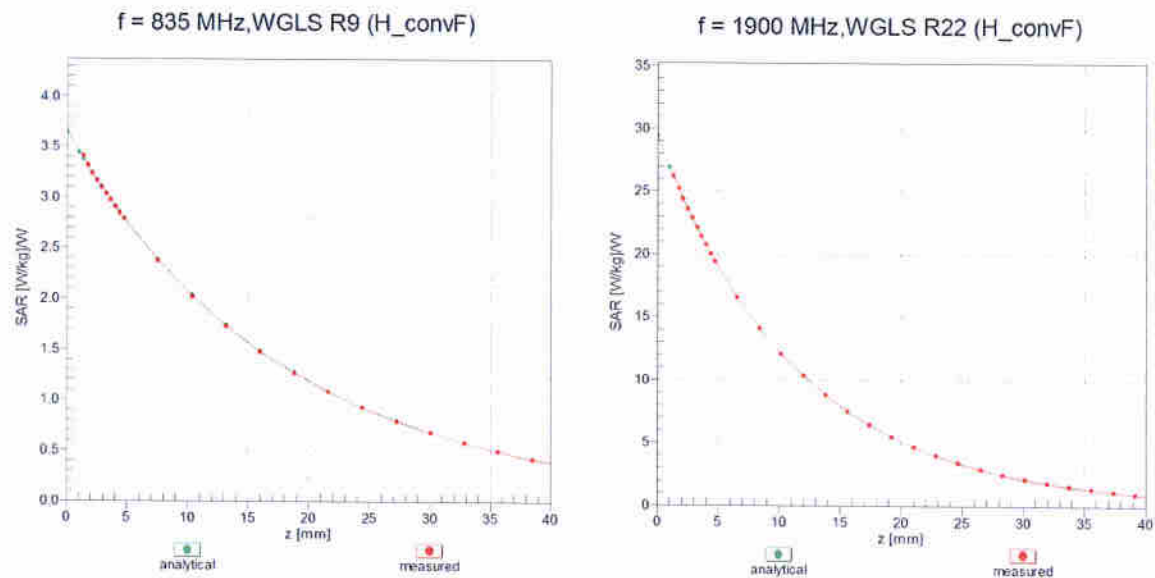
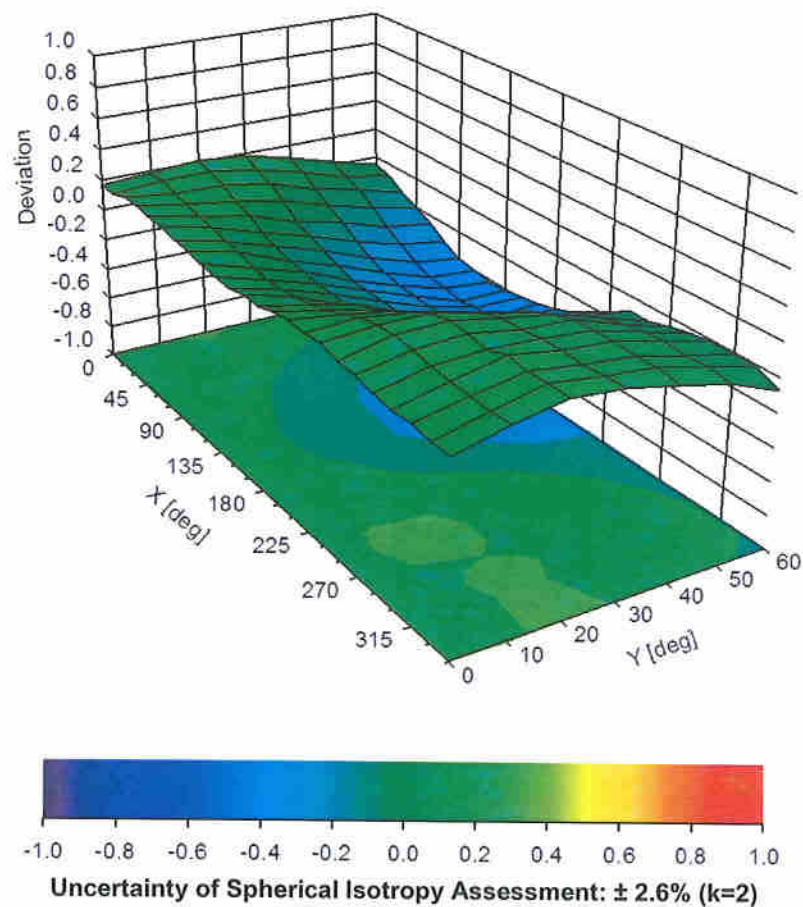


Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f = 900 \text{ MHz}$





Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.

Conducted Full Power for WWAN

GSM850 Ant 0_Default	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.07	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.58	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.84	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 Ant 0_Default	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.28	30.36	30.39	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.68	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band	WCDMA II Ant 0_Default			Tune-up Limit (dBm)	WCDMA IV Ant 0_Default			Tune-up Limit (dBm)	WCDMA V Ant 0_Default			Tune-up Limit (dBm)
	9282	9408	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.80	23.82	23.81	24.60	23.81	23.85	23.83	24.60	23.90	23.91	23.78	24.80
3GPP Rel 99 RMC 12.2Kbps	23.83	23.85	23.83	24.60	23.82	23.86	23.84	24.60	23.91	23.93	23.79	24.80
3GPP Rel 6 HSDPA Subtest-1	22.78	22.75	22.76	23.60	22.66	22.72	22.75	23.60	22.89	22.84	22.76	23.80
3GPP Rel 6 HSDPA Subtest-2	22.78	22.73	22.74	23.60	22.66	22.70	22.75	23.60	22.87	22.85	22.72	23.80
3GPP Rel 6 HSDPA Subtest-3	22.31	22.30	22.28	22.60	22.23	22.25	22.27	22.60	22.41	22.40	22.25	23.30
3GPP Rel 6 HSDPA Subtest-4	22.28	22.26	22.25	22.60	22.17	22.21	22.22	22.60	22.39	22.32	22.23	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	22.78	22.66	22.56	23.60	22.48	22.67	22.67	23.60	22.72	22.73	22.63	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	22.58	22.72	22.55	23.60	22.50	22.59	22.72	23.60	22.89	22.67	22.70	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	22.29	22.13	22.26	22.60	22.07	22.16	22.25	22.60	22.41	22.26	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	22.28	22.24	22.19	22.60	22.06	22.16	22.07	22.60	22.29	22.27	22.03	23.30
3GPP Rel 6 HSUPA Subtest-1	21.25	21.22	21.24	21.60	21.13	21.22	21.22	21.60	21.36	21.31	21.20	21.80
3GPP Rel 6 HSUPA Subtest-2	19.76	19.71	19.73	20.60	19.64	19.67	19.70	20.60	19.71	19.66	19.65	20.80
3GPP Rel 6 HSUPA Subtest-3	20.77	20.74	20.74	21.60	20.67	20.70	20.70	21.60	20.84	20.82	20.68	21.80
3GPP Rel 6 HSUPA Subtest-4	20.26	20.26	20.23	21.10	20.15	20.19	20.18	21.10	20.34	20.32	20.17	21.30
3GPP Rel 6 HSUPA Subtest-5	22.80	22.70	22.70	23.60	22.68	22.70	22.71	23.60	22.90	22.80	22.70	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	22.61	22.69	22.57	23.60	22.48	22.69	22.58	23.60	22.65	22.71	22.58	23.80



Band 2 Ant 0_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 16700	Power Middle Ch. / 16900	Power High Ch. / 17100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.42	23.46	23.33				
20	QPSK	1	49	23.50	23.54	23.39	24.3	0		
20	QPSK	1	99	23.31	23.34	23.30				
20	QPSK	50	0	22.55	22.56	22.49				
20	QPSK	50	24	22.49	22.50	22.43	23.3	1		
20	QPSK	50	50	22.45	22.48	22.40				
20	QPSK	100	0	22.52	22.53	22.38				
20	16QAM	1	0	22.58	22.65	22.29				
20	16QAM	1	49	22.71	22.70	22.41	23.3	1		
20	16QAM	1	99	22.76	22.53	22.40				
20	16QAM	50	0	21.52	21.51	21.40				
20	16QAM	50	24	21.54	21.59	21.39	22.3	2		
20	16QAM	50	50	21.54	21.44	21.35				
20	16QAM	100	0	21.46	21.38	21.29				
20	64QAM	1	0	21.52	21.75	21.48				
20	64QAM	1	49	21.55	21.77	21.69	22.3	2		
20	64QAM	1	99	21.33	21.68	21.43				
20	64QAM	50	0	20.53	20.53	20.38				
20	64QAM	50	24	20.49	20.54	20.42	21.3	3		
20	64QAM	50	50	20.41	20.45	20.32				
20	64QAM	100	0	20.47	20.48	20.32				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.36	23.40	23.43				
15	QPSK	1	37	23.51	23.46	23.35	24.3	0		
15	QPSK	1	74	23.29	23.36	23.29				
15	QPSK	36	0	22.52	22.52	22.36				
15	QPSK	36	20	22.57	22.49	22.45	23.3	1		
15	QPSK	36	39	22.46	22.49	22.45				
15	QPSK	75	0	22.50	22.53	22.44				
15	16QAM	1	0	22.58	23.02	22.83				
15	16QAM	1	37	23.06	23.02	22.99	23.3	1		
15	16QAM	1	74	22.56	22.92	22.93				
15	16QAM	36	0	21.53	21.55	21.37				
15	16QAM	36	20	21.56	21.60	21.43	22.3	2		
15	16QAM	36	39	21.50	21.49	21.46				
15	16QAM	75	0	21.58	21.48	21.37				
15	64QAM	1	0	21.53	21.21	21.63				
15	64QAM	1	37	21.60	21.65	21.77	22.3	2		
15	64QAM	1	74	21.51	21.31	21.67				
15	64QAM	36	0	20.57	20.59	20.30				
15	64QAM	36	20	20.54	20.50	20.50	21.3	3		
15	64QAM	36	39	20.48	20.50	20.44				
15	64QAM	75	0	20.42	20.41	20.36				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.31	23.49	23.41				
10	QPSK	1	25	23.50	23.50	23.41	24.3	0		
10	QPSK	1	49	23.37	23.42	23.31				
10	QPSK	25	0	22.55	22.56	22.54				
10	QPSK	25	12	22.54	22.52	22.47	23.3	1		
10	QPSK	25	25	22.56	22.51	22.47				
10	QPSK	50	0	22.59	22.58	22.53				
10	16QAM	1	0	22.75	23.06	22.88				
10	16QAM	1	25	22.60	22.68	22.91	23.3	1		
10	16QAM	1	49	22.56	22.78	22.50				
10	16QAM	25	0	21.50	21.60	21.44				
10	16QAM	25	12	21.64	21.54	21.45	22.3	2		
10	16QAM	25	25	21.59	21.42	21.38				
10	16QAM	50	0	21.60	21.53	21.45				
10	64QAM	1	0	21.46	21.81	21.24				
10	64QAM	1	25	21.61	21.81	21.60	22.3	2		
10	64QAM	1	49	21.70	21.86	21.71				
10	64QAM	25	0	20.55	20.66	20.46				
10	64QAM	25	12	20.52	20.56	20.40	21.3	3		
10	64QAM	25	25	20.53	20.52	20.40				
10	64QAM	50	0	20.59	20.62	20.41				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.40	23.47	23.52				
5	QPSK	1	12	23.52	23.46	23.52	24.3	0		
5	QPSK	1	24	23.31	23.47	23.42				
5	QPSK	12	0	22.55	22.66	22.57				
5	QPSK	12	7	22.53	22.57	22.59	23.3	1		
5	QPSK	12	13	22.54	22.56	22.58				
5	QPSK	25	0	22.52	22.56	22.57				
5	16QAM	1	0	22.57	23.06	22.87	23.3	1		
5	16QAM	1	12	22.48	23.02	23.04				
5	16QAM	1	24	22.62	22.98	23.11				
5	16QAM	12	0	21.51	21.63	21.62				
5	16QAM	12	7	21.47	21.55	21.61	22.3	2		
5	16QAM	12	13	21.41	21.56	21.63				
5	16QAM	25	0	21.54	21.54	21.60				
5	64QAM	1	0	21.51	21.92	21.87				
5	64QAM	1	12	21.38	21.68	21.95	22.3	2		
5	64QAM	1	24	21.85	21.83	21.67				
5	64QAM	12	0	20.58	20.66	20.73				
5	64QAM	12	7	20.47	20.56	20.59	21.3	3		
5	64QAM	12	13	20.43	20.55	20.70				
5	64QAM	25	0	20.42	20.56	20.62				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.31	23.53	23.48				
3	QPSK	1	8	23.40	23.45	23.47	24.3	0		
3	QPSK	1	14	23.40	23.45	23.44				
3	QPSK	8	0	22.52	22.52	22.57				
3	QPSK	8	4	22.56	22.50	22.57	23.3	1		
3	QPSK	8	7	22.45	22.50	22.66				
3	QPSK	15	0	22.46	22.55	22.60				
3	16QAM	1	0	23.04	22.74	22.64				
3	16QAM	1	8	22.38	22.75	23.07	23.3	1		
3	16QAM	1	14	22.68	22.58	22.90				
3	16QAM	8	0	21.53	21.69	21.57				
3	16QAM	8	4	21.46	21.64	21.62	22.3	2		
3	16QAM	8	7	21.51	21.49	21.74				
3	16QAM	15	0	21.53	21.44	21.70				
3	64QAM	1	0	21.52	21.59	21.78				
3	64QAM	1	8	21.80	21.83	21.87	22.3	2		
3	64QAM	1	14	21.54	21.78	21.88				
3	64QAM	8	0	20.54	20.61	20.63				
3	64QAM	8	4	20.57	20.49	20.64	21.3	3		
3	64QAM	8	7	20.62	20.53	20.63				
3	64QAM	15	0	20.46	20.53	20.56				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.47	23.49	23.48				
1.4	QPSK	1	3	23.46	23.42	23.40	24.3	0		
1.4	QPSK	1	5	23.27	23.37	23.39				
1.4	QPSK	3	0	23.29	23.45	23.51				
1.4	QPSK	3	1	23.46	23.45	23.51				
1.4	QPSK	3	3	23.44	23.44	23.48	23.3	1		
1.4	QPSK	6	0	22.53	22.61	22.64				
1.4	16QAM	1	0	22.58	23.09	22.80				
1.4	16QAM	1	3	22.45	23.01	22.98	23.3	1		
1.4	16QAM	1	5	23.01	23.02	22.73				
1.4	16QAM	3	0	22.54	22.59	22.67				
1.4	16QAM	3	1	22.58	22.61	22.66				
1.4	16QAM	3	3	22.37	22.44	22.69	22.3	2		
1.4	64QAM	1	0	21.55	21.70	21.72				
1.4	64QAM	1	3	21.64	21.78	21.65				
1.4	64QAM	1	5	21.80	21.63	21.75	22.3	2		
1.4	64QAM	3	0	21.38	21.67	21.64				
1.4	64QAM	3	1	21.48	21.57	21.62				
1.4	64QAM	3	3	21.70	21.64	21.79				
1.4	64QAM	6	0	20.45	20.51	20.52	21.3	3		

Band 4 Ant 0_Default												
BW [MHz]	Modulatio	RB Size	RB Offset	Power Low Ch. / 20050	Power Middle Ch. / 20175	Power High Ch. / 20300	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.44	23.45	23.41						
20	QPSK	1	49	23.50	23.54	23.47	24.3	0				
20	QPSK	1	99	23.38	23.44	23.32						
20	QPSK	50	0	22.55	22.							



Band 7 Ant 0_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.86	23.02	22.95	23.6	0		
20	QPSK	1	49	23.20	23.25	23.24				
20	QPSK	1	99	23.13	23.02	23.21				
20	QPSK	50	0	22.25	22.28	22.27				
20	QPSK	50	24	22.15	22.21	22.19				
20	QPSK	50	50	22.14	22.20	22.18	22.6	1		
20	QPSK	100	0	22.16	22.21	22.18				
20	16QAM	1	0	21.90	22.13	22.03				
20	16QAM	1	49	22.04	22.15	22.16				
20	16QAM	1	99	22.21	22.24	22.22				
20	16QAM	50	0	20.99	21.20	21.17	21.6	2		
20	16QAM	50	24	21.10	21.19	21.20				
20	16QAM	50	50	21.17	21.17	21.28				
20	16QAM	100	0	21.08	21.16	21.22				
20	64QAM	1	0	21.10	21.29	21.20				
20	64QAM	1	49	21.18	21.19	21.38	21.6	2		
20	64QAM	1	99	21.11	21.12	21.28				
20	64QAM	50	0	19.96	20.10	20.21				
20	64QAM	50	24	20.16	20.16	20.18				
20	64QAM	50	50	20.11	20.14	20.19				
20	64QAM	100	0	20.00	20.03	20.22	20.6	3		
Channel				20625	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	22.82	23.07	23.16	23.6	0		
15	QPSK	1	37	22.98	23.01	23.04				
15	QPSK	1	74	22.99	23.24	23.23				
15	QPSK	36	0	22.00	22.12	22.23				
15	QPSK	36	20	22.10	22.20	22.22				
15	QPSK	36	39	22.23	22.19	22.35	22.6	1		
15	QPSK	75	0	22.07	22.20	22.32				
15	16QAM	1	0	22.16	22.34	22.16				
15	16QAM	1	37	22.16	22.31	22.25				
15	16QAM	1	74	22.28	22.39	22.43				
15	16QAM	36	0	21.05	21.18	21.19	21.6	2		
15	16QAM	36	20	21.09	21.20	21.25				
15	16QAM	36	39	21.21	21.23	21.40				
15	16QAM	75	0	21.11	21.15	21.30				
15	64QAM	1	0	21.03	21.27	21.36				
15	64QAM	1	37	21.37	21.55	21.35	21.6	2		
15	64QAM	1	74	21.47	21.43	21.31				
15	64QAM	36	0	20.08	20.17	20.29				
15	64QAM	36	20	20.17	20.24	20.35				
15	64QAM	36	39	20.26	20.20	20.37				
15	64QAM	75	0	20.12	20.06	20.21	20.6	3		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.04	23.08	23.18	23.6	0		
10	QPSK	1	25	23.07	23.08	23.24				
10	QPSK	1	49	23.09	23.21	23.23				
10	QPSK	25	0	22.11	22.19	22.38				
10	QPSK	25	12	22.13	22.26	22.33				
10	QPSK	25	25	22.26	22.31	22.44	22.6	1		
10	QPSK	50	0	22.18	22.28	22.41				
10	16QAM	1	0	22.27	22.30	22.52				
10	16QAM	1	25	22.14	22.52	22.47				
10	16QAM	1	49	22.21	22.33	22.55				
10	16QAM	25	0	21.14	21.23	21.36	21.6	2		
10	16QAM	25	12	21.23	21.27	21.46				
10	16QAM	25	25	21.27	21.24	21.46				
10	16QAM	50	0	21.25	21.18	21.39				
10	64QAM	1	0	21.39	21.42	21.44				
10	64QAM	1	25	21.19	21.47	21.31	21.6	2		
10	64QAM	1	49	21.49	21.04	21.45				
10	64QAM	25	0	20.13	20.27	20.28				
10	64QAM	25	12	20.18	20.27	20.32				
10	64QAM	25	25	20.22	20.17	20.39				
10	64QAM	50	0	20.15	20.18	20.40	20.6	3		
Channel				20502.5	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	23.08	23.19	23.12	23.6	0		
5	QPSK	1	12	23.15	23.14	23.24				
5	QPSK	1	24	23.09	23.14	23.19				
5	QPSK	12	0	22.19	22.20	22.45				
5	QPSK	12	7	22.20	22.24	22.43				
5	QPSK	12	13	22.19	22.21	22.46	22.6	1		
5	QPSK	25	0	22.24	22.22	22.39				
5	16QAM	1	0	22.46	22.33	22.29				
5	16QAM	1	12	22.55	22.41	22.55				
5	16QAM	1	24	22.51	22.47	22.45				
5	16QAM	12	0	21.15	21.20	21.44	21.6	2		
5	16QAM	12	7	21.17	21.14	21.38				
5	16QAM	12	13	21.14	21.21	21.44				
5	16QAM	25	0	21.11	21.22	21.35				
5	64QAM	1	0	21.37	21.48	21.49				
5	64QAM	1	12	21.21	21.44	21.55	21.6	2		
5	64QAM	1	24	21.51	21.58	21.18				
5	64QAM	12	0	20.13	20.23	20.38				
5	64QAM	12	7	20.27	20.18	20.36				
5	64QAM	12	13	20.17	20.20	20.43				
5	64QAM	25	0	20.13	20.17	20.44	20.6	3		

Band 12 Ant 0_Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Mid Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.85	23.88	23.80	24.8	0				
10	QPSK	1	25	23.88	23.91	23.85						
10	QPSK	1	49	23.83	23.85	23.81						
10	QPSK	25	0	22.90	22.92	22.79						
10	QPSK	25	12	22.86	22.89	22.78						
10	QPSK	25	25	22.85	22.88	22.71	23.8	1				
10	QPSK	50	0	22.85	22.88	22.81						
10	16QAM	1	0	23.06	22.87	23.16						
10	16QAM	1	25	22.85	23.24	23.03						
10	16QAM	1	49	23.05	22.81	23.02						
10	16QAM	25	0	21.87	21.76	21.83	22.8	2				
10	16QAM	25	12	22.02	21.70	21.89						
10	16QAM	25	25	21.89	21.67	21.78						
10	16QAM	50	0	21.85	21.70	21.79						
10	64QAM	1	0	22.16	21.75	21.89						
10	64QAM	1	25	22.16	21.78	21.65	22.8	2				
10	64QAM	1	49	22.05	22.07	21.80						
10	64QAM	25	0	23.77	23.84	23.84						
10	64QAM	25	12	23.07	23.07	23.73	21.8	3				
10	64QAM	25	25	23.07	23.02	23.75						
10	64QAM	50	0	23.94	23.74	23.74						
Channel				23035 <th>23095<th>23155<td colspan="4"></td></th></th>	23095 <th>23155<td colspan="4"></td></th>	23155 <td colspan="4"></td>						
Frequency (MHz)				701.5 <th>707.5<th>713.5<td colspan="4"></td></th></th>	707.5 <th>713.5<td colspan="4"></td></th>	713.5 <td colspan="4"></td>						
5	QPSK	1	0	23.78	23.79	23.66	24.8	0				
5	QPSK	1	12	23.89	23.84	23.75						
5	QPSK	1	24	23.77	23.84	23.84						
5	QPSK	12	0	22.96	22.96	22.94						
5	QPSK	12	12	22.93	22.96	22.93						
5	QPSK	12	13	22.93	22.92	22.81	23.8	1				
5	QPSK	25	0	22.93	22.88	22.92						
5	16QAM	1	0	23.55	23.49	23.01						
5	16QAM	1	12	23.09	23.19	22.87						
5	16QAM	1	24	23.53	23.49	23.27						
5	16QAM	12	0	21.99	21.94	21.93	22.8	2				
5	16QAM	12	7	21.94	21.93	21.87						
5	16QAM	12	13	21.84	21.99	21.85						
5	16QAM	25	0	22.06	21.86	21.96						
5	64QAM	1	0	22.19	22.03	22.10						
5	64QAM	1	12	22.25	22.02	21.94	22.8	2				
5	64QAM	1	24	22.16	22.16	22.08						
5	64QAM	12	0	20.96	20.94	20.94						
5	64QAM	12	7	20.96	21.02	20.82						
5	64QAM	12	13	20.96	20.99	20.82						
5	64QAM	25	0	20.95	20.79	20.92	21.8	3				
Channel				23025 <th>23095<th>23165<td colspan="4"></td></th></th>	23095 <th>23165<td colspan="4"></td></th>	23165 <td colspan="4"></td>						
Frequency (MHz)				700.5 <th>707.5<th>714.5<td colspan="4"></td></th></th>	707.5 <th>714.5<td colspan="4"></td></th>	714.5 <td colspan="4"></td>						
3	QPSK	1	0	23.70	23.76	23.73			24.8	0		
3	QPSK	1	8	23.83	23.72	23.82						
3	QPSK	8	7	23.90	23.92	23.91						
3	QPSK	8	0	22.97	22.92	22.77						
3	QPSK	8	4	23.00	22.89	22.82						
3	QPSK	8	7	22.94	22.73	22.94	23.8	1				
3	QPSK	15	0	22.96	22.85	22.87						
3	16QAM	1	0	23.50	23.25	23.48						
3	16QAM	1	8	23.24	23.48	23.48						
3	16QAM	1	14	23.32	23.19	23.08						
3	16QAM	8	0	21.89	21.94	21.80	22.8	2				
3	16QAM	8	4	22.10	21.88	22.01						
3	16QAM	8	7	22.05	21.81	21.95						
3	16QAM	15	0	21.96	21.87	21.94						
3	64QAM	1	0	22.19	22.03	22.10						
3	64QAM	1	8	21.77	22.19	21.77	22.8	2				
3	64QAM	1	14	22.09	22.01	22.11						
3	64QAM	8	0	20.91	20.93	20.91						
3	64QAM	8	4	20.91	21.01	20.99						
3	64QAM	8	7	20.83	20.87	20.95						
3	64QAM	15	0	20.91	20.88	20.95	21.8	3				
Channel				23035 <th>23095<th>23155<td colspan="4"></td></th></th>	23095 <th>23155<td colspan="4"></td></th>	23155 <td colspan="4"></td>						
Frequency (MHz)				699.7 <th>707.5<th>715.3<td colspan="4"></td></th></th>	707.5 <th>715.3<td colspan="4"></td></th>	715.3 <td colspan="4"></td>						
1.4	QPSK	1	0	23.78	23.69	23.58			24.8	0		
1.4	QPSK	1	3	23.75	23.61	23.72						
1.4	QPSK	1	5	23.90	23.56	23.86						
1.4	QPSK	3	0	23.74	23.77	23.58						
1.4	QPSK	3	1	23.87	23.76	23.81						
1.4	QPSK	3	2	23.77	23.72	23.72	23.8	1				
1.4	QPSK	6	0	22.96	22.94	22.94						
1.4	16QAM	1	0	22.94	23.15	22.90						
1.4	16QAM	1	3	23.16	22.76	23.08						
1.4	16QAM	1	5	23.26	23.47	23.22						
1.4	16QAM	3	0	22.93	22.93	22.95	23.8	1				
1.4	16QAM	3	1	22.93	23.00	22.93						
1.4	16QAM	3	2	22.82	22.96	23.01						
1.4	16QAM	6	0	21.89	21.93	21.96						
1.4	64QAM	1	0	21.83	22.21	22.21						
1.4	64QAM	1	3	22.35	22.14	22.34	22.8	2				
1.4	64QAM	1	5	22.51	22.02	21.87						
1.4	64QAM	3	0	22.14	22.02	21.73						
1.4	64QAM	3	2	22.10	22.03	22.18						
1.4	64QAM	3	3	22.10	22.06	22.15						
1.4	64QAM	6	0	20.91	20.84	20.78	21.8	3				



Band 17 Ant 0_Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)				
Channel				23700	23790	23800						
Frequency (MHz)				710	711	711						
10	QPSK	1	0	23.67	23.77	23.71	24.8	0				
10	QPSK	1	25	23.78	23.87	23.80						
10	QPSK	1	49	23.76	23.81	23.79						
10	QPSK	25	0	22.74	22.80	22.78						
10	QPSK	25	12	22.71	22.74	22.72	23.8	1				
10	QPSK	25	25	22.69	22.71	22.70						
10	QPSK	50	0	22.70	22.77	22.75						
10	16QAM	1	0	23.36	22.85	22.75						
10	16QAM	1	25	23.39	23.28	22.77	23.8	1				
10	16QAM	1	49	23.16	23.26	22.78						
10	16QAM	25	0	21.86	21.74	21.76						
10	16QAM	25	12	21.88	21.89	21.71						
10	16QAM	25	25	21.80	21.88	21.73	22.8	2				
10	16QAM	50	0	21.87	21.88	21.71						
10	64QAM	1	0	21.51	21.89	21.54						
10	64QAM	1	25	22.13	22.06	21.71						
10	64QAM	1	49	22.05	21.98	21.77	22.8	2				
10	64QAM	25	0	20.74	20.67	20.70						
10	64QAM	25	12	20.82	20.71	20.70						
10	64QAM	25	25	20.79	20.68	20.70						
10	64QAM	50	0	20.78	20.73	20.75	21.8	3				
Channel				23755	23790	23825						
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	23.66	23.74	23.81			24.8	0		
5	QPSK	1	12	23.65	23.75	23.86						
5	QPSK	1	24	23.79	23.78	23.81						
5	QPSK	12	0	22.86	22.87	22.81						
5	QPSK	12	7	22.86	22.80	22.85	23.8	1				
5	QPSK	12	13	22.86	22.81	22.80						
5	QPSK	25	0	22.81	22.81	22.77						
5	16QAM	1	0	22.83	22.85	23.53						
5	16QAM	1	12	22.99	23.59	23.04	23.8	1				
5	16QAM	1	24	23.48	23.41	22.92						
5	16QAM	12	0	21.79	21.88	21.85						
5	16QAM	12	7	21.83	21.81	21.91						
5	16QAM	12	13	21.90	21.85	21.86	22.8	2				
5	16QAM	25	0	21.92	21.77	21.81						
5	64QAM	1	0	21.62	22.39	22.04						
5	64QAM	1	12	22.37	22.19	22.36						
5	64QAM	1	24	22.21	21.94	21.80	21.8	3				
5	64QAM	12	0	20.80	20.84	20.78						
5	64QAM	12	7	20.91	20.81	20.89						
5	64QAM	12	13	20.75	20.88	20.85						
5	64QAM	25	0	20.78	20.81	20.98						

Band 25 Ant 0_Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel				26140	26340	26500						
Frequency (MHz)				1860	1860	1860						
20	QPSK	1	0	23.52	23.53	23.38	24.3	0				
20	QPSK	1	49	23.55	23.56	23.50						
20	QPSK	1	99	23.33	23.34	23.30						
20	QPSK	50	0	22.56	22.60	22.54						
20	QPSK	50	24	22.53	22.57	22.48	23.3	1				
20	QPSK	50	50	22.52	22.54	22.51						
20	QPSK	100	0	22.56	22.58	22.52						
20	16QAM	1	0	22.97	22.98	22.43						
20	16QAM	1	49	22.81	22.72	22.70	23.3	1				
20	16QAM	1	99	22.40	22.92	22.58						
20	16QAM	50	0	21.57	21.52	21.47						
20	16QAM	50	24	21.54	21.63	21.49						
20	16QAM	50	50	20.53	20.50	20.53	22.3	2				
20	16QAM	100	0	21.59	21.50	21.48						
20	64QAM	1	0	21.52	21.59	21.55						
20	64QAM	1	49	21.75	21.61	21.68						
20	64QAM	1	99	21.62	21.52	21.36	21.3	3				
20	64QAM	50	0	20.53	20.53	20.38						
20	64QAM	50	24	20.63	20.50	20.53						
20	64QAM	50	50	20.49	20.45	20.44						
20	64QAM	100	0	20.53	20.45	20.48						
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1857.5	1860	1897.5						
15	QPSK	1	0	23.38	23.47	23.27	24.3	0				
15	QPSK	1	37	23.50	23.54	23.49						
15	QPSK	1	74	23.27	23.33	23.21						
15	QPSK	36	0	22.58	22.62	22.49						
15	QPSK	36	20	22.58	22.62	22.57	23.3	1				
15	QPSK	36	39	22.51	22.54	22.57						
15	QPSK	75	0	22.56	22.54	22.49						
15	16QAM	1	0	22.76	22.67	22.59						
15	16QAM	1	37	22.71	22.71	22.78	23.3	1				
15	16QAM	1	74	22.49	22.45	22.34						
15	16QAM	36	0	21.60	21.63	21.50						
15	16QAM	36	20	21.57	21.67	21.49						
15	16QAM	36	39	21.53	21.59	21.58	22.3	2				
15	16QAM	75	0	21.55	21.61	21.52						
15	64QAM	1	0	21.55	21.71	21.78						
15	64QAM	1	37	21.93	21.58	21.45						
15	64QAM	1	74	21.45	21.51	21.65	21.3	3				
15	64QAM	36	0	20.66	20.61	20.47						
15	64QAM	36	20	20.60	20.64	20.48						
15	64QAM	36	39	20.54	20.53	20.54						
15	64QAM	75	0	20.52	20.46	20.51						
Channel				26060	26340	26600	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1855	1880	1910						
10	QPSK	1	0	23.55	23.55	23.48	24.3	0				
10	QPSK	1	25	23.52	23.55	23.49						
10	QPSK	1	49	23.54	23.44	23.44						
10	QPSK	25	0	22.61	22.71	22.80						
10	QPSK	25	12	22.68	22.62	22.56	23.3	1				
10	QPSK	25	25	22.64	22.64	22.80						
10	QPSK	50	0	22.70	22.64	22.64						
10	16QAM	1	0	22.72	23.14	22.63						
10	16QAM	1	25	23.03	23.11	23.01	23.3	1				
10	16QAM	1	49	22.72	23.09	22.91						
10	16QAM	25	0	21.63	21.62	21.53						
10	16QAM	25	12	21.67	21.68	21.54						
10	16QAM	25	25	21.82	21.55	21.57	22.3	2				
10	16QAM	50	0	21.64	21.63	21.59						
10	64QAM	1	0	21.81	21.64	21.47						
10	64QAM	1	25	21.93	21.93	21.82						
10	64QAM	1	49	21.64	21.84	21.86	21.3	3				
10	64QAM	25	0	20.59	20.59	20.57						



Band 66 Ant 0_Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	23.38	23.51	23.42	24.3	0			
20	QPSK	1	49	23.49	23.58	23.51					
20	QPSK	1	99	23.42	23.52	23.44					
20	QPSK	50	0	22.49	22.53	22.50					
20	QPSK	50	24	22.45	22.51	22.47	23.3	1			
20	QPSK	50	50	22.43	22.48	22.47					
20	QPSK	100	0	22.34	22.51	22.43					
20	16QAM	1	0	23.70	23.23	22.75					
20	16QAM	1	49	22.66	22.45	22.80	23.3	1			
20	16QAM	1	99	23.03	22.50	22.99					
20	16QAM	50	0	21.36	21.50	21.44					
20	16QAM	50	24	21.55	21.50	21.48					
20	16QAM	50	50	21.48	21.53	21.49	22.3	2			
20	16QAM	100	0	21.36	21.45	21.47					
20	64QAM	1	0	21.18	21.43	21.89					
20	64QAM	1	49	21.35	21.75	21.77					
20	64QAM	1	99	21.54	21.68	21.58	22.3	2			
20	64QAM	50	0	20.37	20.60	20.47					
20	64QAM	50	24	20.38	20.53	20.62					
20	64QAM	50	50	20.49	20.55	20.61					
20	64QAM	100	0	20.29	20.41	20.49	21.3	3			
Channel				132047	132322	132597				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	23.38	23.53	23.48				24.3	0
15	QPSK	1	37	23.49	23.51	23.55					
15	QPSK	1	74	23.36	23.50	23.36					
15	QPSK	36	0	22.46	22.64	22.51					
15	QPSK	36	20	22.45	22.63	22.57	23.3	1			
15	QPSK	36	39	22.50	22.47	22.51					
15	QPSK	75	0	22.48	22.57	22.39					
15	16QAM	1	0	23.09	23.10	23.09					
15	16QAM	1	37	23.20	23.21	22.72	23.3	1			
15	16QAM	1	74	23.00	22.63	22.75					
15	16QAM	36	0	21.51	21.56	21.58					
15	16QAM	36	20	21.52	21.53	21.60					
15	16QAM	36	39	21.55	21.47	21.53	22.3	2			
15	16QAM	75	0	21.52	21.65	21.69					
15	64QAM	1	0	21.83	21.89	21.31					
15	64QAM	1	37	21.71	21.69	21.86					
15	64QAM	1	74	21.76	21.69	21.53	22.3	2			
15	64QAM	36	0	20.44	20.60	20.49					
15	64QAM	36	20	20.48	20.58	20.57					
15	64QAM	36	39	20.49	20.53	20.55					
15	64QAM	75	0	20.44	20.56	20.49	21.3	3			
Channel				132022	132322	132647				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1777.5					
10	QPSK	1	0	23.45	23.52	23.57				24.3	0
10	QPSK	1	25	23.49	23.56	23.57					
10	QPSK	1	49	23.49	23.46	23.48					
10	QPSK	25	0	22.48	22.56	22.51					
10	QPSK	25	12	22.47	22.58	22.58	23.3	1			
10	QPSK	25	25	22.47	22.58	22.55					
10	QPSK	50	0	22.55	22.55	22.59					
10	16QAM	1	0	22.71	22.79	22.63					
10	16QAM	1	25	22.59	22.54	22.83	23.3	1			
10	16QAM	1	49	22.33	22.96	22.68					
10	16QAM	25	0	21.50	21.59	21.61					
10	16QAM	25	12	21.55	21.60	21.71					
10	16QAM	25	25	21.45	21.60	21.42	22.3	2			
10	16QAM	50	0	21.46	21.67	21.54					
10	64QAM	1	0	21.52	21.90	21.70					
10	64QAM	1	25	21.82	22.00	21.89					
10	64QAM	1	49	21.27	21.46	21.53	22.3	2			
10	64QAM	25	0	20.52	20.62	20.47					
10	64QAM	25	12	20.53	20.51	20.54					
10	64QAM	25	25	20.46	20.54	20.45					
10	64QAM	50	0	20.56	20.61	20.59	21.3	3			
Channel				131997	132322	132847				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	0	23.53	23.51	23.53	24.3	0			
5	QPSK	1	12	23.45	23.52	23.48					
5	QPSK	1	24	23.41	23.54	23.48					
5	QPSK	12	0	22.56	22.62	22.60					
5	QPSK	12	7	22.48	22.60	22.60	23.3	1			
5	QPSK	12	13	22.48	22.49	22.51					
5	QPSK	25	0	22.53	22.51	22.56					
5	16QAM	1	0	23.00	22.49	23.10					
5	16QAM	1	12	22.66	22.81	22.54	23.3	1			
5	16QAM	1	24	22.75	23.05	23.18					
5	16QAM	12	0	21.51	21.59	21.48					
5	16QAM	12	7	21.43	21.58	21.52					
5	16QAM	12	13	21.43	21.49	21.50	22.3	2			
5	16QAM	25	0	21.45	21.50	21.54					
5	64QAM	1	0	21.48	21.56	21.74					
5	64QAM	1	12	21.62	21.35	21.53					
5	64QAM	1	24	21.92	21.74	21.34	22.3	2			
5	64QAM	12	0	20.48	20.72	20.61					
5	64QAM	12	7	20.61	20.61	20.56					
5	64QAM	12	13	20.48	20.46	20.56					
5	64QAM	25	0	20.51	20.55	20.54	21.3	3			
Channel				131987	132322	132537				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5					
3	QPSK	1	0	23.47	23.53	23.40	24.3	0			
3	QPSK	1	8	23.42	23.52	23.55					
3	QPSK	1	14	23.35	23.48	23.44					
3	QPSK	8	0	22.48	22.55	22.54					
3	QPSK	8	4	22.42	22.52	22.54	23.3	1			
3	QPSK	8	7	22.46	22.53	22.47					
3	QPSK	15	0	22.43	22.51	22.60					
3	16QAM	1	0	23.06	22.71	23.13					
3	16QAM	1	8	23.11	22.90	22.57	23.3	1			
3	16QAM	1	14	22.85	23.08	22.16					
3	16QAM	8	0	21.56	21.60	21.54					
3	16QAM	8	4	21.38	21.55	21.55					
3	16QAM	8	7	21.54	21.62	21.50	22.3	2			
3	16QAM	15	0	21.46	21.42	21.70					
3	64QAM	1	0	21.46	21.91	21.85					
3	64QAM	1	8	21.62	21.98	21.86					
3	64QAM	1	14	21.53	21.28	21.59	22.3	2			
3	64QAM	8	0	20.57	20.62	20.57					
3	64QAM	8	4	20.50	20.46	20.60					
3	64QAM	8	7	20.60	20.47	20.63					
3	64QAM	15	0	20.34	20.56	20.53	21.3	3			
Channel				131979	132322	132665				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3					
1.4	QPSK	1	0	23.22	23.56	23.36	24.3	0			
1.4	QPSK	1	3	23.26	23.42	23.57					
1.4	QPSK	1	5	23.47	23.37	23.57					
1.4	QPSK	3	0	23.35	23.52	23.54					
1.4	QPSK	3	1	23.35	23.52	23.49	23.3	1			
1.4	QPSK	3	3	23.37	23.54	23.46					
1.4	QPSK	6	0	22.48	22.56	22.55					
1.4	16QAM	1	0	22.65	22.73	22.69					
1.4	16QAM	1	3	22.34	22.48	22.53	23.3	1			
1.4	16QAM	1	5	22.66	23.10	23.09					
1.4	16QAM	3	0	22.51	22.59	22.43					
1.4	16QAM	3	1	22.55	22.66	22.61					
1.4	16QAM	3	3	22.46	22.58	22.55	22.3	2			
1.4	64QAM	1	0	21.82	21.51	21.67					
1.4	64QAM	1	3	21.61	21.78	21.82	22.3	2			
1.4	64QAM	1	5	21.24	21.66	21.73					
1.4	64QAM	3	0	21.50	21.63	21.89					
1.4	64QAM	3	1	21.56	21.71	21.84					
1.4	64QAM	3	3	21.31	21.70	21.84	21.3	3			
1.4	64QAM	6	0	20.34	20.46	20.65					

Band 38 Ant 0_Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.18	23.21	23.18	23.8	0		
20	QPSK	1	49	23.22	23.35	23.34				
20	QPSK	1	99	23.30	23.30	23.30				
20	QPSK	50	0	22.23	22.27	22.26	22.8	1		
20	QPSK	50	24	22.21	22.25	22.23				
20	QPSK	50	50	22.18	22.23	22.21				
20	QPSK	100	0	22.16	22.18	22.18	22.8	1		
20	16QAM	1	0	22.22	22.21	22.23				
20	16QAM	1	49	22.36	22.42	22.40				
20	16QAM	1	99	22.42	22.40	22.34	21.8	2		
20	16QAM	50	0	21.12	21.18	21.15				
20	16QAM	50	24	21.19	21.19	21.26				
20	16QAM	50	50	21.25	21.30	21.26	21.8	2		
20	16QAM	100	0	21.23	21.32	21.28				
20	16QAM	1	0	20.84	20.86	20.90				
20	64QAM	1	49	21.00	21.02	21.07	20.8	3		
20	64QAM	1	99	21.07	21.03	21.05				
20	64QAM	50	0	20.13	20.19	20.22				
20	64QAM	50	24	20.22	20.20	20.25	20.8	3		
20	64QAM	50	50	20.19	20.31	20.28				
20	64QAM	100	0	20.16	20.21	20.28				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.17	23.24	23.23	23.8	0		
15	QPSK	1	37	23.27	23.31	23.32				
15	QPSK	1	74	23.30	23.31	23.34				
15	QPSK	36	0	22.28	22.35	22.34	22.8	1		
15	QPSK	36	20	22.32	22.37	22.36				
15	QPSK	36	39	22.37	22.37	22.38				
15	QPSK	75	0	22.33	22.35	22.36	22.8	1		
15	16QAM	1	0	22.34	22.42	22.39				
15	16QAM	1	37	22.46	22.50	22.45				
15	16QAM	1	74	22.49	22.47	22.48	21.8	2		
15	16QAM	36	0	21.27	21.36	21.37				
15	16QAM	36	20	21.32	21.36	21.37				
15	16QAM	36	39	21.33	21.38	21.37	21.8	2		
15	16QAM	75	0	21.36	21.41	21.38				
15	64QAM	1	0	21.03	21.09	21.06				
15	64QAM	1	37	21.12	21.19	21.20	20.8	3		
15	64QAM	1	74	21.13	21.14	21.15				
15	64QAM	36	0	20.35	20.37	20.36				
15	64QAM	36	20	20.36	20.39	20.39	20.8	3		
15	64QAM	36	39	20.33	20.39	20.40				
15	64QAM	75	0	20.34	20.39	20.36				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.19	23.27	23.26	23.8	0		
10	QPSK	1	25	23.24	23.29	23.33				
10	QPSK	1	49	23.26	23.27	23.35				
10	QPSK	25	0	22.35	22.43	22.42	22.8	1		
10	QPSK	25	12	22.34	22.41	22.42				
10	QPSK	25	25	22.35	22.42	22.48				
10	16QAM	1	0	22.43	22.51	22.53	22.8	1		
10	16QAM	1	25	22.43	22.51	22.53				
10	16QAM	1	49	22.44	22.47	22.50				
10	16QAM	25	0	21.36	21.44	21.46	21.8	2		
10	16QAM	25	12	21.35	21.40	21.47				
10	16QAM	25	25	21.39	21.41	21.45				
10	16QAM	50	0	21.37	21.45	21.44	21.8	2		
10	16QAM	50	0	21.08	21.13	21.16				
10	64QAM	1	25	21.10	21.18	21.22				
10	64QAM	1	49	21.10	21.13	21.16	20.8	3		
10	64QAM	25	0	20.37	20.45	20.48				
10	64QAM	25	12	20.38	20.43	20.48				
10	64QAM	25	25	20.40	20.46	20.48	20.8	3		
10	64QAM	50	0	20.39	20.43	20.40				
10	64QAM	50	0	20.39	20.44	20.48				

Band 41 Ant 0_Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	0	0	22.41	22.39	22.48	23.8	0		
20	QPSK	1	49	22.49	22.45	22.59				
20	QPSK	1	99	22.43	22.40	22.58				
20	QPSK	50	0	21.54	21.53	21.70	22.8	1		
20	QPSK	50	24	21.59	21.49	21.60				
20	QPSK	50	50	21.51	21.41	21.53				
20	QPSK	100	0	21.57	21.49	21.57	22.8	1		
20	16QAM	1	0	21.54	21.46	21.48				
20	16QAM	1	49	21.69	21.63	21.76				
20	16QAM	1	99	21.69	21.67	21.62	21.8	2		
20	16QAM	50	0	20.45	20.37	20.36				
20	16QAM	50	24	20.45	20.53	20.49				
20	16QAM	50	50	20.54	20.57	20.60	21.8	2		
20	16QAM	100	0	20.56	20.47	20.71				
20	64QAM	1	0	20.22	20.14	20.21				
20	64QAM	1	49	20.33	20.33	20.44	21.8	2		
20	64QAM	1	99	20.31	20.29	20.45				
20	64QAM	50	0	19.47	19.37	19.42				
20	64QAM	50	24	19.54	19.45	19.56	20.8	3		
20	64QAM	50	50	19.55	19.56	19.57				
20	64QAM	100	0	19.52	19.42	19.61				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.46	22.47	22.46	23.8	0		
15	QPSK	1	37	22.54	22.44	22.53				
15	QPSK	1	74	22.45	22.55	22.54				
15	QPSK	36	0	21.56	21.66	21.61	22.8	1		
15	QPSK	36	20	21.68	21.59	21.63				
15	QPSK	36	39	21.60	21.62	21.69				
15	QPSK	75	0	21.68	21.57	21.60	22.8	1		
15	16QAM	1	0	21.64	21.60	21.68				
15	16QAM	1	37	21.72	21.68	21.76				
15	16QAM	1	74	21.73	21.65	21.79	21.8	2		
15	16QAM	36	0	20.88	20.81	20.88				
15	16QAM	36	20	20.67	20.60	20.67				
15	16QAM	36	39	20.50	20.65	20.63	21.8	2		
15	16QAM	75	0	20.55	20.70	20.77				
15	64QAM	1	0	20.63	20.35	20.39				
15	64QAM	1	37	20.59	20.46	20.53	21.8	2		
15	64QAM	1	74	20.38	20.39	20.48				
15	64QAM	36	0	19.47	19.34	19.70				
15	64QAM	36	20	19.35	19.63	19.74	20.8	3		
15	64QAM	36	39	19.54	19.54	19.65				
15	64QAM	75	0	19.54	19.64	19.76				
Channel										
Frequency (MHz)										
10	QPSK	0	0	22.43	22.38	22.56	23.8	0		
10	QPSK	1	25	22.55	22.57	22.51				
10	QPSK	1	49	22.48	22.55	22.53				
10	QPSK	25	0	21.73	21.65	21.79	22.8	1		
10	QPSK	25	12	21.59	21.59	21.70				
10	QPSK	25	25	21.72	21.62	21.81				
10	QPSK	50	0	21.67	21.72	21.83	22.8	1		
10	16QAM	1	0	21.81	21.64	21.83				
10	16QAM	1	25	21.76	21.76	21.88				
10	16QAM	1	49	21.67	21.77	21.81	21.8	2		
10	16QAM	25	0	20.64	20.64	20.62				
10	16QAM	25	12	20.64	20.67	20.66				
10	16QAM	25	25	20.65	20.63	20.81	21.8	2		
10	16QAM	50	0	20.77	20.70	20.75				
10	16QAM	50	0	20.34	20.33	20.43				
10	64QAM	1	25	20.38	20.47	20.53	21.8	2		
10	64QAM	1	49	20.39	20.42	20.52				
10	64QAM	25	0	19.65	19.70	19.72				
10	64QAM	25	12	19.68	19.67	19.75	20.8	3		
10	64QAM	25	25	19.74	19.65	19.80				
10	64QAM	50	0	19.65	19.58	19.67				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.38	22.53	22.56	23.8	0		
5										

GSM850 Ant 1_Default		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	169	251		128	169	251	
Frequency (MHz)		824.2	834.4	849.3		824.2	834.4	849.3	
GSM 1 Tx slot		32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot		32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots		30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots		27.73	27.86	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots		27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)		32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)		30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)		27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)		27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot		26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots		23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots		20.99	20.95	20.98	22.30	16.73	16.69	16.72	18.04
EDGE 4 Tx slots		20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 Ant 1_Default		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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.98	30.06	30.00	30.60	20.98	21.06	21.00	21.60
GPRS 1 Tx slot		29.95	30.05	29.98	30.60	20.95	21.05	20.98	21.60
GPRS 2 Tx slots		27.23	27.31	27.17	28.10	21.23	21.31	21.17	22.10
GPRS 3 Tx slots		25.06	25.16	25.03	25.80	20.80	20.90	20.77	21.54
GPRS 4 Tx slots		24.36	24.37	24.32	25.30	21.36	21.37	21.32	22.30
EDGE(GMSK 1 Tx slot)		29.94	30.00	29.96	30.60	20.94	21.00	20.96	21.60
EDGE(GMSK 2 Tx slots)		27.20	27.28	27.15	28.10	21.20	21.28	21.15	22.10
EDGE(GMSK 3 Tx slots)		25.03	25.12	24.98	25.80	20.77	20.86	20.72	21.54
EDGE(GMSK 4 Tx slots)		24.32	24.33	24.30	25.30	21.32	21.33	21.30	22.30
EDGE 1 Tx slot		25.31	25.37	25.28	26.10	16.31	16.37	16.28	17.10
EDGE 2 Tx slots		22.96	23.04	23.04	23.80	16.96	17.04	17.04	17.80
EDGE 3 Tx slots		21.68	21.62	21.56	22.10	17.42	17.36	17.30	17.84
EDGE 4 Tx slots		19.31	19.32	19.36	20.30	16.31	16.32	16.36	17.30

Band		WCDMA W Ant 1_Default			Tune-up Limit (dBm)	WCDMA W Ant 1_Default			Tune-up Limit (dBm)	WCDMA V Ant 1_Default			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.58	23.60	23.56	24.60	23.54	23.60	23.53	24.60	23.73	23.79	23.66	24.80
3GPP Rel 99	RMC 12.2Kbps	23.61	23.63	23.59	24.60	23.61	23.62	23.60	24.60	23.79	23.81	23.68	24.80
3GPP Rel 6	HSDPA Subtest-1	22.48	22.52	22.49	23.60	22.46	22.43	22.44	23.60	22.76	22.71	22.63	23.80
3GPP Rel 6	HSDPA Subtest-2	22.47	22.46	22.45	23.60	22.45	22.40	22.38	23.60	22.75	22.69	22.58	23.80
3GPP Rel 6	HSDPA Subtest-3	22.00	22.05	21.99	22.60	22.01	21.99	21.93	22.60	22.26	22.24	22.12	23.30
3GPP Rel 6	HSDPA Subtest-4	21.98	22.02	21.94	22.60	21.92	21.89	21.90	22.60	22.21	22.20	22.06	23.30
3GPP Rel 8	DC-HSDPA Subtest-1	22.41	22.43	22.49	23.60	22.30	22.31	22.41	23.60	22.75	22.53	22.59	23.80
3GPP Rel 8	DC-HSDPA Subtest-2	22.30	22.43	22.27	23.60	22.29	22.36	22.22	23.60	22.66	22.53	22.48	23.80
3GPP Rel 8	DC-HSDPA Subtest-3	21.85	21.85	21.88	22.60	21.87	21.98	21.93	22.60	22.19	22.15	22.05	23.30
3GPP Rel 8	DC-HSDPA Subtest-4	21.81	21.94	21.93	22.60	21.73	21.87	21.79	22.60	22.15	22.01	21.86	23.30
3GPP Rel 6	HSUPA Subtest-1	20.90	20.97	20.97	21.60	20.88	20.88	20.91	21.60	21.19	21.15	21.05	21.80
3GPP Rel 6	HSUPA Subtest-2	19.43	19.45	19.46	20.60	19.40	19.37	19.36	20.60	19.65	19.65	19.51	20.80
3GPP Rel 6	HSUPA Subtest-3	20.50	20.49	20.51	21.60	20.42	20.37	20.43	21.60	20.73	20.67	20.54	21.80
3GPP Rel 6	HSUPA Subtest-4	19.97	19.93	19.98	21.10	19.89	19.91	19.90	21.10	20.18	20.12	20.03	21.30
3GPP Rel 6	HSUPA Subtest-5	22.40	22.40	22.50	23.60	22.40	22.40	22.40	23.60	22.70	22.70	22.50	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.27	22.31	22.26	23.60	22.20	22.29	22.21	23.60	22.31	22.37	22.28	23.80



Band 2 Ant 1_Default														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 18700	Power Middle Ch. / 18900	Power High Ch. / 19100	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.43	23.46	23.28	24.3	0	23.3	1				
20	QPSK	1	49	23.46	23.52	23.34								
20	QPSK	1	99	23.32	23.36	23.24								
20	QPSK	50	0	22.46	22.57	22.44								
20	QPSK	50	24	22.53	22.54	22.42	23.3	1	22.3	2				
20	QPSK	50	50	22.48	22.56	22.33								
20	QPSK	100	0	22.48	22.51	22.38								
20	16QAM	1	0	22.71	22.77	22.51								
20	16QAM	1	49	22.81	22.83	22.61	23.3	1	22.3	2				
20	16QAM	1	99	22.59	22.67	22.51								
20	16QAM	50	0	21.53	21.54	21.39								
20	16QAM	50	24	21.57	21.59	21.37								
20	16QAM	50	50	21.41	21.49	21.30	21.3	3	20.3	3				
20	16QAM	100	0	21.48	21.44	21.32								
20	64QAM	1	0	21.67	21.75	21.44								
20	64QAM	1	49	21.69	21.68	21.47								
20	64QAM	1	99	21.49	21.59	21.33	21.3	2	20.3	3				
20	64QAM	50	0	20.52	20.50	20.36								
20	64QAM	50	24	20.48	20.55	20.39								
20	64QAM	50	50	20.40	20.47	20.32								
20	64QAM	100	0	20.47	20.44	20.33	18.5	18.5	18.5	18.5				
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.45	23.49	23.25	24.3	0	23.3	1				
15	QPSK	1	37	23.46	23.45	23.32								
15	QPSK	1	74	23.40	23.37	23.31								
15	QPSK	36	0	22.45	22.51	22.32								
15	QPSK	36	20	22.54	22.47	22.34	23.3	1	22.3	1				
15	QPSK	36	39	22.46	22.47	22.36								
15	QPSK	75	0	22.49	22.45	22.38								
15	16QAM	1	0	22.78	22.83	22.61								
15	16QAM	1	37	22.75	22.86	22.63	23.3	1	22.3	2				
15	16QAM	1	74	22.73	22.64	22.61								
15	16QAM	36	0	21.47	21.50	21.34								
15	16QAM	36	20	21.48	21.47	21.35								
15	16QAM	36	39	21.44	21.49	21.38	22.3	2	21.3	3				
15	16QAM	75	0	21.46	21.44	21.31								
15	64QAM	1	0	21.62	21.69	21.38								
15	64QAM	1	37	21.61	21.73	21.49								
15	64QAM	1	74	21.50	21.52	21.50	21.3	3	20.3	3				
15	64QAM	36	0	20.48	20.51	20.32								
15	64QAM	36	20	20.46	20.51	20.36								
15	64QAM	36	39	20.45	20.39	20.26								
15	64QAM	75	0	20.47	20.41	20.29	18.5	18.5	18.5	18.5				
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.46	23.46	23.32	24.3	0	23.3	1				
10	QPSK	1	25	23.50	23.48	23.39								
10	QPSK	1	49	23.45	23.46	23.35								
10	QPSK	25	0	22.48	22.51	22.43								
10	QPSK	25	12	22.53	22.51	22.38	23.3	1	22.3	1				
10	QPSK	25	12	22.50	22.40	22.41								
10	QPSK	50	0	22.54	22.48	22.43								
10	16QAM	1	0	22.74	22.82	22.63								
10	16QAM	1	25	22.77	22.79	22.57	23.3	1	22.3	2				
10	16QAM	1	49	22.70	22.76	22.58								
10	16QAM	25	0	21.50	21.53	21.44								
10	16QAM	25	12	21.53	21.47	21.36								
10	16QAM	25	25	21.49	21.50	21.39	22.3	2	21.3	3				
10	16QAM	50	0	21.54	21.49	21.40								
10	64QAM	1	0	21.58	21.63	21.53								
10	64QAM	1	25	21.62	21.62	21.44								
10	64QAM	1	49	21.55	21.66	21.47	21.3	3	20.3	3				
10	64QAM	25	0	20.46	20.56	20.46								
10	64QAM	25	12	20.55	20.50	20.33								
10	64QAM	25	25	20.49	20.44	20.39								
10	64QAM	50	0	20.52	20.45	20.37	18.5	18.5	18.5	18.5				
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.48	23.50	23.48	24.3	0	23.3	1				
5	QPSK	1	12	23.47	23.44	23.50								
5	QPSK	1	24	23.50	23.49	23.46								
5	QPSK	12	0	22.51	22.56	22.56								
5	QPSK	12	7	22.49	22.51	22.50	23.3	1	22.3	1				
5	QPSK	12	13	22.43	22.46	22.49								
5	QPSK	25	0	22.51	22.53	22.51								
5	16QAM	1	0	22.71	22.78	22.80								
5	16QAM	1	12	22.72	22.80	22.74	23.3	1	22.3	2				
5	16QAM	1	24	22.76	22.79	22.75								
5	16QAM	12	0	21.50	21.56	21.53								
5	16QAM	12	7	21.48	21.46	21.49								
5	16QAM	12	13	21.47	21.51	21.49	22.3	2	21.3	3				
5	16QAM	25	0	21.53	21.54	21.49								
5	64QAM	1	0	21.65	21.63	21.66								
5	64QAM	1	12	21.64	21.64	21.63								
5	64QAM	1	24	21.64	21.65	21.60	21.3	3	20.3	3				
5	64QAM	12	0	20.54	20.57	20.58								
5	64QAM	12	7	20.54	20.47	20.48								
5	64QAM	12	13	20.49	20.50	20.55								
5	64QAM	25	0	20.51	20.57	20.46	18.5	18.5	18.5	18.5				
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.36	23.37	23.38	24.3	0	23.3	1				
3	QPSK	1	8	23.44	23.38	23.40								
3	QPSK	1	14	23.40	23.36	23.35								
3	QPSK	8	0	22.37	22.40	22.43								
3	QPSK	8	4	22.36	22.36	22.41	23.3	1	22.3	1				
3	QPSK	8	7	22.35	22.37	22.39								
3	QPSK	15	0	22.37	22.38	22.39								
3	16QAM	1	0	22.70	22.82	22.65								
3	16QAM	1	8	22.73	22.72	22.74	23.3	1	22.3	2				
3	16QAM	1	14	22.71	22.72	22.70								
3	16QAM	8	0	21.46	21.48	21.50								
3	16QAM	8	4	21.41	21.42	21.46								
3	16QAM	8	7	21.41	21.40	21.44	22.3	2	21.3	3				
3	16QAM	15	0	21.39	21.41	21.43								
3	64QAM	1	0	21.64	21.62	21.64								
3	64QAM	1	8	21.56	21.57	21.58								
3	64QAM	1	14	21.56	21.60	21.54	21.3	3	20.3	3				
3	64QAM	8	0	20.40	20.46	20.47								
3	64QAM	8	4	20.39	20.39	20.43								
3	64QAM	8	7	20.42	20.41	20.44								
3	64QAM	15	0	20.35	20.39	20.40	18.5	18.5	18.5	18.5				
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.42	23.46	23.46	24.3	0	23.3	1				
1.4	QPSK	1	3	23.45	23.50	23.48								
1.4	QPSK	1	5	23.46	23.48	23.47								
1.4	QPSK	3	0	23.46	23.49	23.50								
1.4	QPSK	3	1	23.47	23.49	23.49	23.3	1	22.3	1				
1.4	QPSK	3	3	23.48	23.46	23.46								
1.4	QPSK	6	0	22.46	22.46	22.50								
1.4	16QAM	1	0	22.69	22.73	22.67								
1.4	16QAM	1	3	22.75	22.79	22.76	23.3	1	22.3	2				
1.4	16QAM	1	5	22.75	22.81	22.79								
1.4	16QAM	3	0	22.50	22.50	22.51								
1.4	16QAM	3	1	22.44	22.55	22.51								
1.4	16QAM	3	2	22.46	22.46	22.50	22.3	2	21.3	3				
1.4	64QAM	1	0	21.54	21.55	21.57								
1.4	64QAM	1	3	21.63	21.69	21.59								
1.4	64QAM	1	5	21.68	21.59	21.66								
1.4	64QAM	3	0	21.60	21.61	21.60	22.3	2	21.3	3				
1.4	64QAM	3	1	21.59	21.61	21.53								
1.4	64QAM	3	2	21.56	21.56	21.60								
1.4	64QAM	6	0	20.42	20.45	20.41								



Band 5 Ant 1_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				820	836.5	844				
10	QPSK	1	0	23.51	23.58	23.38	24.8	0		
10	QPSK	1	25	23.67	23.81	23.46				
10	QPSK	1	49	23.54	23.63	23.38				
10	QPSK	25	0	22.53	22.56	22.42				
10	QPSK	25	12	22.46	22.54	22.40	23.8	1		
10	QPSK	25	25	22.45	22.48	22.43				
10	QPSK	50	0	22.50	22.53	22.43				
10	16QAM	1	0	22.51	22.52	22.59				
10	16QAM	1	25	22.51	22.61	22.96	23.8	1		
10	16QAM	1	49	22.47	22.96	22.86				
10	16QAM	25	0	21.55	21.50	21.30				
10	16QAM	25	12	21.60	21.46	21.39				
10	16QAM	25	25	21.47	21.59	21.44	22.8	2		
10	16QAM	50	0	21.51	21.46	21.46				
10	64QAM	1	0	21.72	21.53	21.25				
10	64QAM	1	25	21.73	21.73	21.25				
10	64QAM	1	49	21.58	21.67	21.29	21.8	3		
10	64QAM	25	0	20.49	20.54	20.42				
10	64QAM	25	12	20.55	20.58	20.38				
10	64QAM	25	25	20.50	20.63	20.34				
10	64QAM	50	0	20.52	20.43	20.33				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.54	23.77	23.45	24.8	0		
5	QPSK	1	12	23.75	23.67	23.76				
5	QPSK	1	24	23.54	23.63	23.60				
5	QPSK	12	0	22.77	22.65	22.56				
5	QPSK	12	7	22.70	22.72	22.54	23.8	1		
5	QPSK	12	13	22.63	22.69	22.52				
5	QPSK	25	0	22.60	22.67	22.59				
5	16QAM	1	0	23.24	23.15	23.02				
5	16QAM	1	12	22.64	22.68	23.04	23.8	1		
5	16QAM	1	24	22.43	22.90	23.16				
5	16QAM	12	0	21.69	21.65	21.51				
5	16QAM	12	7	21.56	21.63	21.51				
5	16QAM	12	13	21.57	21.66	21.42	22.8	2		
5	16QAM	25	0	21.65	21.68	21.50				
5	64QAM	1	0	21.72	21.97	21.44				
5	64QAM	1	12	22.06	21.53	21.57				
5	64QAM	1	24	21.54	21.40	21.91	22.8	2		
5	64QAM	12	0	20.73	20.57	20.46				
5	64QAM	12	7	20.65	20.70	20.47				
5	64QAM	12	13	20.52	20.67	20.52				
5	64QAM	25	0	20.60	20.68	20.56				
Channel				20415	20525	20605	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.69	23.59	23.63	24.8	0		
3	QPSK	1	8	23.75	23.58	23.69				
3	QPSK	1	14	23.77	23.77	23.68				
3	QPSK	8	0	22.69	22.66	22.81				
3	QPSK	8	4	22.59	22.62	22.72	23.8	1		
3	QPSK	8	7	22.61	22.64	22.68				
3	QPSK	15	0	22.65	22.69	22.72				
3	16QAM	1	0	23.12	23.17	23.17				
3	16QAM	1	8	23.21	22.97	22.74	23.8	1		
3	16QAM	1	14	23.04	22.78	22.99				
3	16QAM	8	0	21.74	21.63	21.71				
3	16QAM	8	4	21.67	21.66	21.62				
3	16QAM	8	7	21.62	21.65	21.71	22.8	2		
3	16QAM	15	0	21.73	21.74	21.77				
3	64QAM	1	0	21.71	21.95	21.83				
3	64QAM	1	8	21.77	21.74	21.84				
3	64QAM	1	14	21.95	21.89	21.47	21.8	3		
3	64QAM	8	0	20.72	20.66	20.75				
3	64QAM	8	4	20.58	20.62	20.67				
3	64QAM	8	7	20.62	20.56	20.68				
3	64QAM	15	0	20.58	20.66	20.71				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.75	23.39	23.71	24.8	0		
1.4	QPSK	1	3	23.80	23.58	23.71				
1.4	QPSK	1	5	23.70	23.76	23.80				
1.4	QPSK	3	0	23.60	23.67	23.66				
1.4	QPSK	3	1	23.66	23.55	23.76	23.8	1		
1.4	QPSK	3	3	23.64	23.55	23.73				
1.4	QPSK	6	0	22.62	22.65	22.77				
1.4	16QAM	1	0	23.15	22.74	22.68				
1.4	16QAM	1	3	22.89	22.89	23.28	23.8	1		
1.4	16QAM	1	5	23.11	23.15	23.16				
1.4	16QAM	3	0	22.65	22.67	22.65				
1.4	16QAM	3	1	22.63	22.69	22.54				
1.4	16QAM	3	3	22.70	22.63	22.72	22.8	2		
1.4	16QAM	6	0	21.65	21.83	21.81				
1.4	64QAM	1	0	21.89	21.78	21.96				
1.4	64QAM	1	3	22.01	21.92	22.12				
1.4	64QAM	1	5	21.42	21.65	21.85	22.8	2		
1.4	64QAM	3	0	21.62	21.86	21.85				
1.4	64QAM	3	1	21.72	21.78	21.83				
1.4	64QAM	3	3	21.44	21.74	21.87				
1.4	64QAM	6	0	20.60	20.60	20.70	21.8	3		

Band 7 Ant 1_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.14	23.31	23.17	23.6	0		
20	QPSK	1	49	23.33	23.47	23.38				
20	QPSK	1	99	23.31	23.36	23.33				
20	QPSK	50	0	22.27	22.48	22.45				
20	QPSK	50	24	22.36	22.44	22.42	22.6	1		
20	QPSK	50	50	22.41	22.46	22.44				
20	QPSK	100	0	22.32	22.41	22.37				
20	16QAM	1	0	22.40	22.47	22.45				
20	16QAM	1	49	22.60	22.70	22.66	22.6	1		
20	16QAM	1	99	22.56	22.63	22.70				
20	16QAM	50	0	21.21	21.44	21.39				
20	16QAM	50	24	21.36	21.38	21.42				
20	16QAM	50	50	21.42	21.40	21.42	21.6	2		
20	16QAM	100	0	21.29	21.34	21.39				
20	64QAM	1	0	21.22	21.48	21.28				
20	64QAM	1	49	21.50	21.54	21.52				
20	64QAM	1	99	21.45	21.46	21.60	20.6	3		
20	64QAM	50	0	20.26	20.42	20.38				
20	64QAM	50	24	20.35	20.39	20.40				
20	64QAM	50	50	20.43	20.41	20.43				
20	64QAM	100	0	20.30	20.34	20.37				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.15	23.33	23.20	23.6	0		
15	QPSK	1	37	23.23	23.37	23.44				
15	QPSK	1	74	23.30	23.36	23.42				
15	QPSK	36	0	22.22	22.35	22.51				
15	QPSK	36	36	22.27	22.38	22.43	22.6	1		
15	QPSK	36	39	22.37	22.31	22.39				
15	QPSK	75	0	22.27	22.36	22.44				
15	16QAM	1	0	22.37	22.53	22.43				
15	16QAM	1	37	22.49	22.67	22.70	22.6	1		
15	16QAM	1	74	22.51	22.61	22.69				
15	16QAM	36	0	21.26	21.37	21.47				
15	16QAM	36	20	21.28	21.38	21.43				
15	16QAM	36	20	21.40	21.35	21.48	21.6	2		
15	16QAM	75	0	21.27	21.31	21.43				
15	64QAM	1	0	21.31	21.42	21.46				
15	64QAM	1	37	21.41	21.54	21.53				
15	64QAM	1	74	21.48	21.45	21.59	21.6	2		
15	64QAM	36	0	20.32	20.38	20.43				
15	64QAM	36	20	20.32	20.38	20.43				
15	64QAM	36	39	20.39	20.35	20.53				
15	64QAM	75	0	20.25	20.29	20.39	20.6	3		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.21	23.38	23.31	23.6	0		
10	QPSK	1	25	23.29	23.37	23.45				
10	QPSK	1	49	23.27	23.32	23.46				
10	QPSK	25	0	22.24	22.37	22.50				
10	QPSK	25	12	22.24	22.33	22.48	22.6	1		
10	QPSK	25	25	22.29	22.39	22.53				
10	QPSK	50	0	22.28	22.37	22.52				
10	QPSK	50	1	22.45	22.56	22.61				
10	16QAM	1	0	22.50	22.62	22.69	22.6	1		
10	16QAM	1	49	22.57	22.67	22.73				
10	16QAM	25	0	21.22	21.37	21.50				
10	16QAM	25	12	21.22	21.37	21.48				
10	16QAM	25	25	21.37	21.41	21.54	21.6	2		
10	16QAM	50	0	21.25	21.39	21.49				
10	64QAM	1	0	21.38	21.51	21.48				
10	64QAM	1	25	21.33	21.54	21.65				
10	64QAM	1	49	21.39	21.51	21.65	20.6	3		
10	64QAM	25	0	20.28	20.38	20.49				
10	64QAM	25	12	20.27	20.38	20.46				
10	64QAM	25	25	20.35	20.38	20.48				
10	64QAM	50	0	20.34	20.37	20.47	20.6	3		
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.22	23.32	23.44	23.6	0		
5	QPSK	1	12	23.26	23.34	23.41				
5	QPSK	1	24	23.24	23.39	23.31				
5	QPSK	12	0	22.25	22.40	22.52				
5	QPSK	12	7	22.25	22.35	22.52	22.6	1		
5	QPSK	1	13	22.27	22.36	22.51				
5	QPSK	25	0	22.23	22.36	22.52				
5	16QAM	1	0	22.45	22.65	22.70				
5	16QAM	1	12	22.52	22.64	22.77	22.6	1		
5	16QAM	1	24	22.54	22.66	22.74				
5	16QAM	12	0	21.23	21.37	21.53				
5	16QAM	12	7	21.25	21.36	21.48				
5	16QAM	12	13	21.21	21.28	21.40	21.6	2		
5	16QAM	25	0	21.28	21.34	21.52				
5	64QAM	1	0	21.35	21.47	21.61				
5	64QAM	1	12	21.41	21.53	21.64				
5	64QAM	1	24	21.40	21.52	21.64	20.6	3		
5	64QAM	12	0	20.30	20.37	20.53				
5	64QAM	12	7	20.28	20.36	20.50				
5	64QAM	12	13	20.27	20.39	20.55				
5	64QAM	25	0	20.29	20.33	20.52				



Band 13 Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				2320					
Frequency (MHz)				2320					
10	QPSK	1	0		23.40		24.3	0	
10	QPSK	1	25		23.41				
10	QPSK	1	49		23.36				
10	QPSK	25	0		22.35		23.3	1	
10	QPSK	25	12		22.33				
10	QPSK	25	25		22.32				
10	QPSK	50	0		22.36		23.3	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.73				
10	16QAM	1	49		22.75		22.3	2	
10	16QAM	25	0		21.20				
10	16QAM	25	12		21.36				
10	16QAM	25	25		21.46		21.3	3	
10	16QAM	50	0		21.36				
10	64QAM	1	0		21.48				
10	64QAM	1	25		21.55		22.3	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.21				
10	64QAM	25	12		20.36		21.3	3	
10	64QAM	25	25		20.43				
10	64QAM	50	0		20.32				
Channel				23205	23230	23255	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.35	23.37	23.36	24.3	0	
5	QPSK	1	12	23.31	23.37	23.38			
5	QPSK	1	24	23.32	23.36	23.39			
5	QPSK	12	0	22.31	22.32	22.43	23.3	1	
5	QPSK	12	7	22.38	22.37	22.35			
5	QPSK	12	13	22.39	22.33	22.49			
5	QPSK	25	0	22.35	22.35	22.40	23.3	1	
5	16QAM	1	0	22.75	22.71	22.62			
5	16QAM	1	12	22.75	22.72	22.77			
5	16QAM	1	24	22.73	22.76	22.83	22.3	2	
5	16QAM	12	0	21.29	21.32	21.38			
5	16QAM	12	7	21.38	21.35	21.36			
5	16QAM	12	13	21.39	21.32	21.43	22.3	2	
5	16QAM	25	0	21.37	21.35	21.38			
5	64QAM	1	0	21.60	21.58	21.55			
5	64QAM	1	12	21.65	21.57	21.62	22.3	2	
5	64QAM	1	24	21.51	21.53	21.55			
5	64QAM	12	0	20.31	20.33	20.44			
5	64QAM	12	7	20.40	20.38	20.37	21.3	3	
5	64QAM	12	13	20.42	20.34	20.47			
5	64QAM	25	0	20.35	20.36	20.35			

Band 17 Ant 1_Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23760			710		
Frequency (MHz)				23760					
10	QPSK	1	0	23.70	23.74	23.69	24.8	0	
10	QPSK	1	25	23.80	23.89	23.75			
10	QPSK	1	49	23.79	23.83	23.75			
10	QPSK	25	0	22.77	22.89	22.74	23.8	1	
10	QPSK	25	12	22.74	22.84	22.77			
10	QPSK	25	25	22.78	22.82	22.75			
10	QPSK	50	0	22.79	22.85	22.77	23.8	1	
10	16QAM	1	0	22.97	23.13	22.91			
10	16QAM	1	25	23.03	23.25	23.04			
10	16QAM	1	49	23.03	23.27	23.08	22.8	2	
10	16QAM	25	0	21.77	21.88	21.77			
10	16QAM	25	12	21.75	21.87	21.73			
10	16QAM	25	25	21.76	21.83	21.74	22.8	2	
10	16QAM	50	0	21.76	21.82	21.73			
10	64QAM	1	0	21.75	21.89	21.79			
10	64QAM	1	25	21.88	22.09	21.82	22.8	2	
10	64QAM	1	49	21.89	22.00	21.82			
10	64QAM	25	0	20.72	20.83	20.74			
10	64QAM	25	12	20.72	20.82	20.70	21.8	3	
10	64QAM	25	25	20.70	20.81	20.73			
10	64QAM	50	0	20.75	20.82	20.74			
Channel				23765	23790	23825	706.5		
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.69	23.76	23.68	24.8	0	
5	QPSK	1	12	23.77	23.77	23.75			
5	QPSK	1	24	23.80	23.75	23.77			
5	QPSK	12	0	22.75	22.76	22.73	23.8	1	
5	QPSK	12	7	22.77	22.69	22.69			
5	QPSK	12	13	22.77	22.69	22.69			
5	QPSK	25	0	22.74	22.73	22.73	23.8	1	
5	16QAM	1	0	23.10	23.10	23.06			
5	16QAM	1	12	23.11	23.12	23.03			
5	16QAM	1	24	23.16	23.09	23.11	22.8	2	
5	16QAM	12	0	21.74	21.74	21.72			
5	16QAM	12	7	21.73	21.73	21.70			
5	16QAM	12	13	21.76	21.68	21.66	22.8	2	
5	16QAM	25	0	21.74	21.75	21.77			
5	64QAM	1	0	21.87	21.83	21.81			
5	64QAM	1	12	21.94	21.95	21.92	22.8	2	
5	64QAM	1	24	21.97	21.88	21.98			
5	64QAM	12	0	20.77	20.77	20.72			
5	64QAM	12	7	20.78	20.70	20.73	21.8	3	
5	64QAM	12	13	20.74	20.68	20.69			
5	64QAM	25	0	20.74	20.72	20.70			
Channel				23765	23790	23825	706.5		
Frequency (MHz)				706.5	710	713.5			

Band 25 Ant 1_Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power High Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)				
Channel				16640	16340	16950						
20	QPSK	1	0	23.41	23.46	23.24	24.3	0				
20	QPSK	1	49	23.47	23.54	23.35						
20	QPSK	1	99	23.27	23.29	23.25						
20	QPSK	50	0	22.52	22.58	22.41	23.3	1				
20	QPSK	50	24	22.47	22.53	22.40						
20	QPSK	50	50	22.43	22.48	22.39						
20	QPSK	100	0	22.44	22.49	22.43	23.3	1				
20	16QAM	1	0	22.72	22.67	22.50						
20	16QAM	1	49	22.72	22.78	22.65						
20	16QAM	1	99	22.58	22.57	22.48	22.3	2				
20	16QAM	50	0	21.48	21.50	21.43						
20	16QAM	50	24	21.48	21.50	21.39						
20	16QAM	50	50	21.45	21.48	21.40	21.3	3				
20	16QAM	100	0	21.43	21.47	21.44						
20	64QAM	1	0	21.61	21.55	21.39						
20	64QAM	1	49	21.66	21.67	21.52	22.3	2				
20	64QAM	1	99	21.41	21.36	21.26						
20	64QAM	50	0	20.46	20.50	20.42						
20	64QAM	50	24	20.46	20.50	20.38	21.3	3				
20	64QAM	50	50	20.41	20.37	20.36						
20	64QAM	100	0	20.42	20.45	20.39						
Channel				26115	26340	26615	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				1857.5	1880	1907.5						
15	QPSK	1	0	23.49	23.44	23.24	24.3	0				
15	QPSK	1	37	23.43	23.42	23.33						
15	QPSK	1	74	23.39	23.36	23.33						
15	QPSK	36	0	22.46	22.52	22.33	23.3	1				
15	QPSK	36	20	22.52	22.48	22.34						
15	QPSK	36	39	22.44	22.39	22.30						
15	QPSK	75	0	22.50	22.42	22.43	23.3	1				
15	16QAM	1	0	22.70	22.77	22.57						
15	16QAM	1	37	22.86	22.70	22.61						
15	16QAM	1	74	22.68	22.68	22.46	22.3	2				
15	16QAM	36	20	21.44	21.44	21.37						
15	16QAM	36	39	21.44	21.44	21.39						
15	16QAM	75	0	21.48	21.41	21.42	22.3	2				
15	16QAM	75	0	21.64	21.62	21.44						
15	16QAM	1	37	21.71	21.71	21.49						
15	64QAM	1	74	21.51	21.54	21.45	21.3	3				
15	64QAM	36	0	20.55	20.46	20.36						
15	64QAM	36	20	20.55	20.47	20.38						
15	64QAM	36	39	20.44	20.44	20.36	20.44	20.37	20.38			
15	64QAM	75	0	20.46	20.37	20.38						
Channel				26065	26340	26665				Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1855	1880	1910						
10	QPSK	1	0	23.49	23.49	23.35	24.3	0				
10	QPSK	1	25	23.43	23.48	23.37						
10	QPSK	1	49	23.45	23.41	23.36						
10	QPSK	25	0	22.54	22.54	22.38	23.3	1				
10	QPSK	25	12	22.53	22.52	22.37						
10	QPSK	25	25	22.56	22.51	22.37						
10	QPSK	50	0	22.55	22.50	22.41	23.3	1				
10	16QAM	1	0	22.72	22.80	22.72						
10	16QAM	1	25	22.70	22.77	22.63						
10	16QAM	1	49	22.65	22.70	22.53	22.3	2				
10	16QAM	25	0	21.54	21.55	21.37						
10	16QAM	25	12	21.53	21.53	21.39						
10	16QAM	25	25	21.57	21.52	21.41	21.3	3				
10	16QAM	50	0	21.55	21.49	21.37						
10	64QAM	1	0	21.65	21.66	21.45						
10	64QAM	1	25	21.67	21.62	21.55	22.3	2				
10	64QAM	1	49	21.65	21.61	21.41						
10	64QAM	1	25	20.54	20.53	20.34						
10	64QAM	25	12	20.51	20.49	20.37	21.3	3				
10	64QAM	25	25	20.53	20.47	20.40						
10	64QAM	50	0	20.54	20.45	20.36						
Channel				26065	26340	26665	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				1852.5	1880	1912.5						
5	QPSK	1	0	23.48	23.48	23.51	24.3	0				
5	QPSK	1	12	23.51	23.49	23.46						
5	QPSK	1	24	23.51	23.48	23.49						
5	QPSK	12	0	22.53	22.54	22.51	23.3	1				
5	QPSK	12	7	22.54	22.45	22.52						
5	QPSK	12	13	22.46	22.47	22.43						
5	QPSK	25	0	22.54	22.49	22.53	23.3	1				
5	16QAM	1	0	22.77	22.73	22.73						
5	16QAM	1	12	22.81	22.72	22.79						
5	16QAM	1	24	22.79	22.75	22.67	22.3	2				
5	16QAM	12	0	21.48	21.49	21.52						
5	16QAM	12	7	21.48	21.40	21.50						
5	16QAM	12	13	21.47	21.42	21.41	21.3	3				
5	16QAM	25	0	21.54	21.51	21.52						
5	64QAM	1	0	21.67	21.67	21.84						
5	64QAM	1	12	21.65	21.64	21.61	22.3	2				
5	64QAM	1	24	21.71	21.62	21.62						
5	64QAM	12	0	20.51	20.51	20.45						
5	64QAM	12	7	20.54	20.44	20.46	21.3	3				
5	64QAM	12	13	20.45	20.43	20.43						
5	64QAM	25	0	20.50	20.47	20.51						
Channel				26055	26340	26575	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				1851.5	1880	1913.5						
3	QPSK	1	0	23.45	23.43	23.43	24.3	0				
3	QPSK	1	8	23.47	23.44	23.48						
3	QPSK	1	14	23.43	23.42	23.49						
3	QPSK	8	0	22.46	22.49	22.50	23.3	1				
3	QPSK	8	4	22.46	22.42	22.47						
3	QPSK	15	0	22.44	22.40	22.50						
3	16QAM	1	0	22.79	22.72	22.70	23.3	1				
3	16QAM	1	8	22.80	22.68	22.75						
3	16QAM	1	14	22.78	22.71	22.70						
3	16QAM	8	0	21.51	21.51	21.58	22.3	2				
3	16QAM	8	4	21.54	21.47	21.55						
3	16QAM	15	0	21.48	21.41	21.49						
3	64QAM	1	0	21.58	21.54	21.56	21.3	2				
3	64QAM	1	8	21.59	21.66	21.69						
3	64QAM	1	14	21.57	21.51	21.63						
3	64QAM	8	0	20.51	20.49	20.55	21.3	3				
3	64QAM	8	4	20.51	20.40	20.51						
3	64QAM	8	7	20.50	20.47	20.47						
3	64QAM	15	0	20.48	20.42	20.63	20.44	20.37	20.38			
Channel				26047	26340	26683				Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1851.5	1880	1913.5						
1.4	QPSK	1	0	23.46	23.43	23.46	24.3	0				
1.4	QPSK	1	3	23.47	23.43	23.45						
1.4	QPSK	1	5	23.44	23.46	23.48						
1.4	QPSK	3	0	23.49	23.48	23.51	23.3	1				
1.4	QPSK	3	1	23.46	23.46	23.50						
1.4	QPSK	3	3	23.49	23.44	23.49						
1.4	QPSK	6	0	22.51	22.52	22.50	23.3	1				
1.4	16QAM	1	0	22.72	22.72	22.76						
1.4	16QAM	1	5	22.73	22.77	22.65						
1.4	16QAM	3	0	22.50	22.46	22.52	22.3	2				
1.4	16QAM	3	1	22.48	22.49	22.53						
1.4	16QAM	3	3	22.49	22.43	22.47						
1.4	64QAM	1	0	21.68	21.54	21.56	22.3	2				
1.4	64QAM	1	3	21.60	21.56	21.65						
1.4	64QAM	1	3	21.66	21.68	21.84						
1.4	64QAM	1	5	21.56	21.65	21.65	22.3	2				
1.4	64QAM	3	0	21.60	21.59	21.57						
1.4	64QAM	3	1	21.61	21.57	21.58						
1.4	64QAM	3	3	21.60	21.57	21.80	21.3	3				
1.4	64QAM	6	0	20.47	20.39	20.43						
1.4	64QAM	6	0	20.47	20.39	20.43						



Band 25 Ant 4_Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.31	22.30	22.14	23.3	0	
20	QPSK	1	49	22.35	22.37	22.25			
20	QPSK	1	99	22.15	22.23	22.11			
20	QPSK	50	0	21.35	21.36	21.27			
20	QPSK	50	24	21.32	21.31	21.25	22.3	1	
20	QPSK	50	50	21.32	21.33	21.29			
20	QPSK	100	0	21.34	21.35	21.23			
20	16QAM	1	0	21.56	21.62	21.43			
20	16QAM	1	49	21.64	21.65	21.48	22.3	1	
20	16QAM	1	99	21.48	21.48	21.30			
20	16QAM	50	0	20.40	20.36	20.24			
20	16QAM	50	24	20.41	20.38	20.22			
20	16QAM	50	50	20.35	20.27	20.20	21.3	2	
20	16QAM	100	0	20.30	20.33	20.19			
20	64QAM	1	0	20.41	20.50	20.30			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	20.3	3	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	21.3	2	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	20.3	3	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.3				



Band 66 Ant 1_Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				132072	132322	132672						
20	QPSK	1	0	23.30	23.38	23.29	24.3	0				
20	QPSK	1	49	23.38	23.45	23.37						
20	QPSK	1	99	23.19	23.28	23.16						
20	QPSK	50	0	22.40	22.46	22.36						
20	QPSK	50	24	22.34	22.36	22.32						
20	QPSK	50	50	22.28	22.40	22.36	23.3	1				
20	QPSK	100	0	22.35	22.37	22.31						
20	16QAM	1	0	22.65	22.65	22.66						
20	16QAM	1	49	22.71	22.77	22.70						
20	16QAM	1	99	22.56	22.62	22.52						
20	16QAM	50	0	21.31	21.33	21.33	22.3	2				
20	16QAM	50	24	21.35	21.41	21.38						
20	16QAM	50	50	21.24	21.40	21.25						
20	16QAM	100	0	21.29	21.33	21.31						
20	64QAM	1	0	21.52	21.52	21.59						
20	64QAM	1	49	21.56	21.55	21.52	22.3	2				
20	64QAM	1	99	21.31	21.44	21.37						
20	64QAM	50	0	20.30	20.30	20.29						
20	64QAM	50	24	20.34	20.42	20.35						
20	64QAM	50	50	20.25	20.36	20.24						
20	64QAM	100	0	20.30	20.32	20.27	21.3	3				
Channel												
Frequency (MHz)				132047	132322	132697				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.33	23.41	23.34	24.3	0				
15	QPSK	1	37	23.39	23.39	23.37						
15	QPSK	1	74	23.28	23.25	23.35						
15	QPSK	36	0	22.29	22.38	22.33						
15	QPSK	36	20	22.33	22.40	22.45						
15	QPSK	36	39	22.31	22.27	22.32	23.3	1				
15	QPSK	75	0	22.31	22.34	22.41						
15	16QAM	1	0	22.70	22.76	22.64						
15	16QAM	1	37	22.76	22.72	22.74						
15	16QAM	1	74	22.65	22.58	22.62						
15	16QAM	36	0	21.31	21.40	21.33	22.3	2				
15	16QAM	36	20	21.35	21.41	21.46						
15	16QAM	36	39	21.31	21.31	21.36						
15	16QAM	75	0	21.33	21.34	21.36						
15	64QAM	1	0	21.55	21.56	21.48						
15	64QAM	1	37	21.58	21.57	21.52	22.3	2				
15	64QAM	1	74	21.42	21.46	21.55						
15	64QAM	36	0	20.34	20.40	20.37						
15	64QAM	36	20	20.36	20.41	20.43						
15	64QAM	36	39	20.31	20.29	20.38						
15	64QAM	75	0	20.32	20.33	20.31	21.3	3				
Channel												
Frequency (MHz)				131997	132322	132647				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.36	23.40	23.43	24.3	0				
10	QPSK	1	25	23.35	23.37	23.41						
10	QPSK	1	49	23.32	23.32	23.42						
10	QPSK	25	0	22.33	22.41	22.41						
10	QPSK	25	12	22.36	22.40	22.45						
10	QPSK	25	25	22.33	22.40	22.33	23.3	1				
10	QPSK	50	0	22.40	22.43	22.45						
10	16QAM	1	0	22.68	22.77	22.76						
10	16QAM	1	25	22.67	22.73	22.72						
10	16QAM	1	49	22.68	22.66	22.70						
10	16QAM	25	0	21.32	21.41	21.45	22.3	2				
10	16QAM	25	12	21.39	21.42	21.46						
10	16QAM	25	25	21.38	21.39	21.34						
10	16QAM	50	0	21.37	21.40	21.46						
10	64QAM	1	0	21.53	21.58	21.58						
10	64QAM	1	25	21.52	21.57	21.53	22.3	2				
10	64QAM	1	49	21.46	21.45	21.56						
10	64QAM	25	0	20.35	20.37	20.46						
10	64QAM	25	12	20.36	20.40	20.45						
10	64QAM	25	25	20.34	20.37	20.30						
10	64QAM	50	0	20.36	20.41	20.43	21.3	3				
Channel												
Frequency (MHz)				131967	132322	132647				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.42	23.44	23.42	24.3	0				
5	QPSK	1	12	23.35	23.42	23.40						
5	QPSK	1	24	23.34	23.40	23.37						
5	QPSK	12	0	22.40	22.45	22.55						
5	QPSK	12	7	22.38	22.38	22.45						
5	QPSK	12	13	22.37	22.35	22.39	23.3	1				
5	QPSK	25	0	22.36	22.38	22.41						
5	16QAM	1	0	22.73	22.74	22.78						
5	16QAM	1	12	22.69	22.74	22.76						
5	16QAM	1	24	22.71	22.74	22.75						
5	16QAM	12	0	21.39	21.46	21.52	22.3	2				
5	16QAM	12	7	21.33	21.36	21.46						
5	16QAM	12	13	21.35	21.35	21.36						
5	16QAM	25	0	21.39	21.40	21.46						
5	64QAM	1	0	21.58	21.60	21.60						
5	64QAM	1	12	21.54	21.57	21.63	22.3	2				
5	64QAM	1	24	21.52	21.54	21.60						
5	64QAM	12	0	20.45	20.43	20.55						
5	64QAM	12	7	20.37	20.38	20.48						
5	64QAM	12	13	20.34	20.38	20.40						
5	64QAM	25	0	20.35	20.38	20.43	21.3	3				
Channel												
Frequency (MHz)				131987	132322	132657				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.37	23.38	23.38	24.3	0				
3	QPSK	1	8	23.35	23.36	23.44						
3	QPSK	1	14	23.33	23.34	23.43						
3	QPSK	8	0	22.36	22.39	22.43						
3	QPSK	8	4	22.36	22.35	22.41						
3	QPSK	8	7	22.34	22.34	22.42	23.3	1				
3	QPSK	15	0	22.33	22.37	22.45						
3	16QAM	1	0	22.75	22.76	22.72						
3	16QAM	1	8	22.72	22.64	22.71						
3	16QAM	1	14	22.65	22.62	22.65						
3	16QAM	8	0	21.44	21.45	21.49	22.3	2				
3	16QAM	8	4	21.42	21.43	21.52						
3	16QAM	8	7	21.39	21.39	21.49						
3	16QAM	15	0	21.35	21.39	21.49						
3	64QAM	1	0	21.53	21.58	21.55						
3	64QAM	1	8	21.54	21.52	21.58	22.3	2				
3	64QAM	1	14	21.49	21.52	21.56						
3	64QAM	8	0	20.37	20.42	20.44						
3	64QAM	8	4	20.39	20.36	20.45						
3	64QAM	8	7	20.37	20.39	20.47						
3	64QAM	15	0	20.36	20.32	20.43	21.3	3				
Channel												
Frequency (MHz)				131979	132322	132655				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.34	23.37	23.43	24.3	0				
1.4	QPSK	1	3	23.34	23.37	23.43						
1.4	QPSK	1	5	23.34	23.35	23.40						
1.4	QPSK	3	0	23.37	23.41	23.41						
1.4	QPSK	3	1	23.40	23.40	23.36						
1.4	QPSK	3	3	23.38	23.38	23.37	23.3	1				
1.4	QPSK	6	0	22.41	22.41	22.46						
1.4	16QAM	1	0	22.62	22.68	22.65						
1.4	16QAM	1	3	22.64	22.70	22.73						
1.4	16QAM	1	5	22.67	22.66	22.74						
1.4	16QAM	3	0	22.42	22.41	22.52	23.3	1				
1.4	16QAM	3	1	22.37	22.43	22.48						
1.4	16QAM	3	3	22.38	22.38	22.47						
1.4	16QAM	6	0	21.45	21.46	21.51						
1.4	64QAM	1	0	21.61	21.63	21.64	22.3	2				
1.4	64QAM	1	3	21.62	21.55	21.62						
1.4	64QAM	1	5	21.56	21.57	21.66						
1.4	64QAM	3	0	21.48	21.55	21.56						
1.4	64QAM	3	1	21.51	21.50	21.55						
1.4	64QAM	3	3	21.48	21.46	21.57	21.3	2				
1.4	64QAM	6	0	20.33	20.35	20.42						
1.4	64QAM	6	0	20.33	20.35	20.42						



Band 38 Ant 1_Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.60	23.60	23.50	23.8	0		
20	QPSK	1	49	23.39	23.41	23.32				
20	QPSK	1	99	23.37	23.41	23.31				
20	QPSK	50	0	22.49	22.50	22.41	22.8	1		
20	QPSK	50	24	22.45	22.48	22.38				
20	QPSK	50	50	22.46	22.48	22.40				
20	QPSK	100	0	22.41	22.43	22.37	22.8	1		
20	16QAM	1	0	22.43	22.38	22.40				
20	16QAM	1	49	22.63	22.62	22.62				
20	16QAM	1	99	22.63	22.64	22.61	21.8	2		
20	16QAM	50	0	21.48	21.47	21.52				
20	16QAM	50	24	21.57	21.57	21.49				
20	16QAM	50	50	21.55	21.54	21.44	21.8	2		
20	16QAM	100	0	21.52	21.46	21.52				
20	64QAM	1	0	21.09	21.07	21.07				
20	64QAM	1	49	21.26	21.27	21.26	20.8	3		
20	64QAM	1	99	21.26	21.15	21.13				
20	64QAM	50	0	20.38	20.49	20.39				
20	64QAM	50	24	20.51	20.50	20.46	20.8	3		
20	64QAM	50	50	20.57	20.48	20.43				
20	64QAM	100	0	20.48	20.50	20.45				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.38	23.44	23.44	23.8	0		
15	QPSK	1	37	23.47	23.46	23.48				
15	QPSK	1	74	23.41	23.44	23.38				
15	QPSK	36	0	22.44	22.50	22.50	22.8	1		
15	QPSK	36	20	22.50	22.42	22.47				
15	QPSK	36	39	22.39	22.45	22.47				
15	QPSK	75	0	22.48	22.49	22.42	22.8	1		
15	16QAM	1	0	22.47	22.43	22.42				
15	16QAM	1	37	22.49	22.44	22.42				
15	16QAM	1	74	22.52	22.59	22.46	21.8	2		
15	16QAM	36	0	21.58	21.53	21.58				
15	16QAM	36	20	21.57	21.57	21.52				
15	16QAM	36	39	21.39	21.42	21.42	21.8	2		
15	16QAM	75	0	21.40	21.43	21.43				
15	64QAM	1	0	21.43	21.47	21.37				
15	64QAM	1	37	21.51	21.45	21.44	21.8	2		
15	64QAM	1	74	21.13	21.21	21.12				
15	64QAM	36	0	20.21	20.22	20.22				
15	64QAM	36	20	20.27	20.22	20.19	20.8	3		
15	64QAM	36	39	20.41	20.40	20.41				
15	64QAM	75	0	20.47	20.48	20.44				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.46	23.46	23.43	23.8	0		
10	QPSK	1	25	23.43	23.46	23.43				
10	QPSK	1	49	23.41	23.44	23.47				
10	QPSK	25	0	22.43	22.48	22.43	22.8	1		
10	QPSK	25	12	22.48	22.44	22.43				
10	QPSK	25	25	22.48	22.45	22.49				
10	QPSK	50	0	22.50	22.46	22.44	22.8	1		
10	16QAM	1	0	22.50	22.58	22.50				
10	16QAM	1	25	22.51	22.59	22.52				
10	16QAM	1	49	22.55	22.59	22.54	21.8	2		
10	16QAM	25	0	21.51	21.48	21.48				
10	16QAM	25	12	21.52	21.50	21.49				
10	16QAM	25	25	21.57	21.49	21.48	21.8	2		
10	16QAM	50	0	21.48	21.54	21.45				
10	16QAM	1	0	21.19	21.50	21.18				
10	64QAM	1	25	21.20	21.24	21.24	21.8	2		
10	64QAM	1	49	21.23	21.22	21.21				
10	64QAM	25	0	20.52	20.52	20.51				
10	64QAM	25	12	20.48	20.47	20.50	20.8	3		
10	64QAM	25	25	20.55	20.54	20.49				
10	64QAM	50	0	20.43	20.53	20.46				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.47	23.46	23.43	23.8	0		
5	QPSK	1	12	23.46	23.49	23.42				
5	QPSK	1	24	23.44	23.47	23.47				
5	QPSK	12	0	22.51	22.50	22.47	22.8	1		
5	QPSK	12	7	22.43	22.45	22.50				
5	QPSK	12	13	22.43	22.48	22.47				
5	QPSK	25	0	22.43	22.56	22.47	22.8	1		
5	16QAM	1	0	22.50	22.59	22.61				
5	16QAM	1	12	22.53	22.58	22.57				
5	16QAM	1	24	22.51	22.53	22.55	21.8	2		
5	16QAM	12	0	21.46	21.48	21.44				
5	16QAM	12	7	21.41	21.39	21.40				
5	16QAM	12	13	21.38	21.40	21.43	21.8	2		
5	16QAM	25	0	21.43	21.51	21.53				
5	64QAM	1	0	21.29	21.26	21.27				
5	64QAM	1	12	21.27	21.27	21.27	21.8	2		
5	64QAM	1	24	21.24	21.19	21.22				
5	64QAM	12	0	20.45	20.50	20.42				
5	64QAM	12	7	20.41	20.42	20.42	20.8	3		
5	64QAM	12	13	20.48	20.41	20.37				
5	64QAM	25	0	20.51	20.54	20.52				

Band 41 Ant 1_Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.29	22.39	22.41	23.8	0		
20	QPSK	1	49	22.44	22.49	22.58				
20	QPSK	1	99	22.46	22.50	22.52				
20	QPSK	50	0	21.64	21.66	21.72	22.8	1		
20	QPSK	50	24	21.60	21.63	21.70				
20	QPSK	50	50	21.48	21.50	21.60				
20	QPSK	100	0	21.49	21.52	21.64	22.8	1		
20	16QAM	1	0	21.48	21.51	21.64				
20	16QAM	1	49	21.64	21.70	21.81				
20	16QAM	1	99	21.59	21.67	21.69	21.8	2		
20	16QAM	50	0	20.65	20.50	20.57				
20	16QAM	50	24	20.57	20.57	20.70				
20	16QAM	50	50	20.61	20.55	20.68	21.8	2		
20	16QAM	100	0	20.56	20.57	20.64				
20	64QAM	1	0	20.16	20.21	20.27				
20	64QAM	1	49	20.32	20.32	20.51	21.8	2		
20	64QAM	1	99	20.27	20.27	20.31				
20	64QAM	50	0	19.47	19.45	19.56				
20	64QAM	50	24	19.55	19.55	19.66	20.8	3		
20	64QAM	50	50	19.55	19.60	19.63				
20	64QAM	100	0	19.46	19.48	19.68				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.31	22.45	22.33	24	0		
15	QPSK	1	37	22.50	22.54	22.56				
15	QPSK	1	74	22.41	22.53	22.41				
15	QPSK	36	0	21.45	21.57	21.52	22.8	1		
15	QPSK	36	20	21.55	21.67	21.63				
15	QPSK	36	39	21.50	21.67	21.65				
15	QPSK	75	0	21.55	21.70	21.69	22.8	1		
15	16QAM	1	0	21.59	21.64	21.62				
15	16QAM	1	37	21.64	21.62	21.63				
15	16QAM	1	74	21.68	21.66	21.62	21.8	2		
15	16QAM	36	0	20.48	20.56	20.47				
15	16QAM	36	20	20.46	20.59	20.58				
15	16QAM	36	39	20.56	20.58	20.48	21.8	2		
15	16QAM	75	0	20.61	20.61	20.66				
15	64QAM	1	0	20.23	20.32	20.29				
15	64QAM	1	37	20.37	20.46	20.33	21.8	2		
15	64QAM	1	74	20.29	20.37	20.32				
15	64QAM	36	0	19.43	19.59	19.48				
15	64QAM	36	20	19.47	19.69	19.52	20.8	3		
15	64QAM	36	39	19.57	19.61	19.53				
15	64QAM	75	0	19.53	19.55	19.60				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.21	22.42	22.33	24	0		
10	QPSK	1	25	22.46	22.46	22.5				

Band 41 Ant 4 Default													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				2469	2548.5	2593	2637.5	2682					
20	QPSK	1	0	19.67	19.77	19.78	19.48	19.23	20.3	0			
20	QPSK	1	49	19.75	19.78	19.79	19.60	19.36					
20	QPSK	99	19.66	19.68	19.71	19.68	19.29						
20	QPSK	50	0	19.51	19.53	19.50	19.50	19.65					
20	QPSK	50	24	19.50	19.87	19.86	19.73	19.57	19.3	1			
20	QPSK	50	50	19.90	19.86	19.84	19.70	19.56					
20	QPSK	100	0	19.80	19.80	19.82	19.79	19.56					
20	16QAM	1	0	19.92	19.95	19.90	19.70	19.43					
20	16QAM	1	49	19.38	19.07	18.94	18.82	18.56	19.3	1			
20	16QAM	1	99	19.89	19.88	19.88	19.76	19.54					
20	16QAM	50	0	17.76	17.95	17.75	17.70	17.43					
20	16QAM	50	24	17.87	18.02	17.90	17.73	17.57					
20	16QAM	50	50	17.90	18.00	17.86	17.69	17.53	18.3	2			
20	16QAM	100	0	17.84	17.85	17.85	17.60	17.45					
20	64QAM	1	0	17.47	17.65	17.45	17.24	17.14					
20	64QAM	1	49	17.64	17.77	17.63	17.46	17.31					
20	64QAM	1	99	17.53	17.56	17.47	17.36	17.15	17.3	3			
20	64QAM	50	0	16.76	16.99	16.70	16.73	16.44					
20	64QAM	50	24	16.85	16.96	16.81	16.70	16.48					
20	64QAM	50	50	16.89	16.95	16.82	16.71	16.47					
20	64QAM	100	0	16.92	16.93	16.83	16.73	16.53	Tune-up Int (dBm)		MPR (dB)		
Channel				2503.5	2548.3	2593	2637.8	2682.5					
15	QPSK	1	0	19.48	19.64	19.47	19.39	19.12	20.30	0			
15	QPSK	1	37	19.81	19.80	19.93	19.44	19.36					
15	QPSK	1	74	19.54	19.57	19.53	19.30	19.13					
15	QPSK	36	0	19.59	19.74	19.68	19.51	19.27					
15	QPSK	36	20	19.84	19.80	19.70	19.55	19.40	19.3	1			
15	QPSK	36	39	19.74	19.80	19.67	19.53	19.28					
15	QPSK	75	0	19.76	19.86	19.74	19.63	19.32					
15	16QAM	1	0	19.63	19.79	19.65	19.51	19.29					
15	16QAM	1	37	19.84	19.84	19.79	19.70	19.44	19.3	1			
15	16QAM	1	74	19.79	19.87	19.72	19.56	19.39					
15	16QAM	36	0	17.52	17.72	17.64	17.50	17.23					
15	16QAM	36	20	17.65	17.76	17.60	17.52	17.20					
15	16QAM	36	39	17.62	17.73	17.66	17.53	17.24	18.3	2			
15	16QAM	75	0	17.66	17.76	17.65	17.62	17.37					
15	64QAM	1	0	17.33	17.49	17.41	17.21	17.00					
15	64QAM	1	37	17.45	17.58	17.45	17.24	17.02					
15	64QAM	1	74	17.41	17.49	17.41	17.24	17.02	18.3	2			
15	64QAM	36	0	16.56	16.80	16.66	16.51	16.23					
15	64QAM	36	20	16.64	16.76	16.65	16.52	16.32					
15	64QAM	36	39	16.62	16.77	16.65	16.48	16.26					
15	64QAM	75	0	16.62	16.74	16.62	16.57	16.35	17.3	3			
Channel				39700	40160	40620	41080	41540					
Frequency (MHz)				2467	2547	2592	2636.5	2681.5	Tune-up Int (dBm)				
10	QPSK	1	0	19.58	19.73	19.57	19.44	19.37	20.30	0			
10	QPSK	1	25	19.59	19.69	19.65	19.41	19.23					
10	QPSK	1	49	19.54	19.73	19.60	19.48	19.19					
10	QPSK	25	0	19.66	19.87	19.75	19.64	19.45					
10	QPSK	25	12	19.74	19.89	19.73	19.61	19.40	19.3	1			
10	QPSK	25	25	19.78	19.84	19.72	19.62	19.39					
10	QPSK	50	0	19.76	19.83	19.72	19.66	19.46					
10	16QAM	1	0	19.71	19.91	19.74	19.63	19.44					
10	16QAM	1	25	19.82	19.97	19.85	19.61	19.49	19.3	1			
10	16QAM	1	49	19.80	19.92	19.83	19.61	19.46					
10	16QAM	25	0	17.60	17.80	17.70	17.62	17.40					
10	16QAM	25	12	17.70	17.87	17.74	17.56	17.35					
10	16QAM	25	25	17.74	17.89	17.77	17.56	17.39	18.3	2			
10	16QAM	50	0	17.71	17.85	17.70	17.80	17.39					
10	64QAM	1	0	17.40	17.65	17.45	17.30	17.12					
10	64QAM	1	25	17.49	17.60	17.53	17.33	17.08					
10	64QAM	1	49	17.46	17.54	17.45	17.27	17.09	18.3	2			
10	64QAM	25	0	16.70	16.98	16.71	16.58	16.40					
10	64QAM	25	12	16.74	16.87	16.68	16.64	16.39					
10	64QAM	25	25	16.82	16.86	16.81	16.64	16.37					
10	64QAM	50	0	16.72	16.78	16.65	16.62	16.36	17.3	3			
Channel				2498.5	2545.8	2593	2640.30	2687.5					
Frequency (MHz)				2467.5	2547.5	2592	2636.50	2687.5	Tune-up Int (dBm)				
5	QPSK	1	0	19.53	19.61	19.54	19.40	19.19	20.30	0			
5	QPSK	1	12	19.50	19.54	19.44	19.28	19.12					
5	QPSK	1	24	19.59	19.55	19.53	19.44	19.23					
5	QPSK	12	0	19.64	19.70	19.64	19.53	19.27					
5	QPSK	12	7	19.57	19.77	19.62	19.52	19.28	19.3	1			
5	QPSK	12	13	19.00	19.74	19.64	19.40	19.26					
5	QPSK	25	0	19.65	19.73	19.70	19.51	19.31					
5	16QAM	1	0	19.71	19.74	19.74	19.55	19.39					
5	16QAM	1	12	19.74	19.80	19.81	19.58	19.36	19.3	1			
5	16QAM	1	24	19.70	19.80	19.75	19.80	19.44					
5	16QAM	12	0	17.53	17.65	17.61	17.52	17.21					
5	16QAM	12	7	17.54	17.64	17.58	17.41	17.26					
5	16QAM	12	13	17.56	17.62	17.56	17.40	17.16	18.3	2			
5	16QAM	25	0	17.62	17.73	17.64	17.40	17.26					
5	64QAM	1	0	17.33	17.54	17.45	17.12	17.08					
5	64QAM	1	12	17.17	17.04	17.40	17.17	17.00					
5	64QAM	1	24	17.25	17.47	17.43	17.20	17.01	18.3	2			
5	64QAM	12	0	16.57	16.71	16.67	16.47	16.24					
5	64QAM	12	7	16.57	16.71	16.62	16.49	16.19					
5	64QAM	12	13	16.50	16.75	16.60	16.42	16.25					
5	64QAM	25	0	16.66	16.79	16.70	16.53	16.21	17.3	3			

Band 41 HPUE Ant 4 Default													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				2469	2548.5	2593	2637.5	2682					
20	QPSK	1	0	22.63	22.65	22.66	22.38	22.11	23.3	0			
20	QPSK	1	49	22.70	22.71	22.74	22.06	22.27					
20	QPSK	99	22.69	22.71	22.73	21.76	22.18						
20	QPSK	50	0	21.80	21.79	21.86	21.63	21.40					
20	QPSK	50	24	21.75	21.78	21.82	21.61	21.36	22.3	1			
20	QPSK	50	50	21.78	21.77	21.81	21.60	21.38					
20	QPSK	100	0	21.72	21.78	21.83	21.58	21.36					
20	16QAM	1	0	21.86	21.86	21.89	21.73	21.48					
20	16QAM	1	49	21.91	22.12	21.92	21.74	21.53	22.3	1			
20	16QAM	1	99	22.03	21.97	22.07	21.71	21.49					



Conducted Power for DSI 18

GSM850 Ant 0_DSI18	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	128	160	251		128	160	251	
Tx Channel	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
Frequency (MHz)								
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.97	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.56	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.94	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 Ant 0_DSI18	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	512	661	810		512	661	810	
Tx Channel	1650.2	1660	1669.8	(dBm)	1650.2	1660	1669.8	(dBm)
Frequency (MHz)								
GSM 1 Tx slot	30.28	30.36	30.58	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.69	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band		WCDMA 8 Ant 0_DSI18			Tune-up Limit	WCDMA 11 Ant 0_DSI18			Tune-up Limit	WCDMA 17 Ant 0_DSI18			Tune-up Limit
		9262	9400	9538		1312	1413	1513		4132	4162	4233	
Tx Channel	RA Channel	9462	9600	9638	(dBm)	1337	1438	1538	(dBm)	4352	4402	4458	(dBm)
Frequency (MHz)		1850.8	1878.4	1906		1712.4	1732.6	1762.6		806.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.13	21.15	21.14	22.10	20.65	20.70	20.62	21.60	23.90	23.91	23.78	24.80
3GPP Rel 99	AMR 12.2Kbps	21.11	21.20	21.16	22.10	20.72	20.73	20.69	21.60	23.91	23.93	23.79	24.80
3GPP Rel 6	HSDPA Subtest-1	20.14	20.15	20.05	21.10	19.60	19.65	19.68	20.60	22.88	22.84	22.76	23.80
3GPP Rel 6	HSDPA Subtest-2	20.09	20.13	20.03	21.10	19.59	19.64	19.66	20.60	22.87	22.85	22.72	23.80
3GPP Rel 6	HSDPA Subtest-3	19.63	19.65	19.63	20.10	19.13	19.18	19.20	19.60	22.41	22.40	22.25	23.30
3GPP Rel 6	HSDPA Subtest-4	19.61	19.62	19.59	20.10	19.12	19.14	19.10	19.60	22.39	22.32	22.23	23.30
3GPP Rel 6	DC-HSDPA Subtest-1	20.11	20.12	20.03	21.10	19.55	19.64	19.64	20.60	22.72	22.73	22.63	23.80
3GPP Rel 6	DC-HSDPA Subtest-2	20.04	20.12	19.98	21.10	19.54	19.62	19.64	20.60	22.69	22.67	22.70	23.80
3GPP Rel 6	DC-HSDPA Subtest-3	19.61	19.63	19.58	20.10	19.12	19.13	19.18	19.60	22.41	22.28	22.05	23.30
3GPP Rel 6	DC-HSDPA Subtest-4	19.58	19.58	19.58	20.10	19.08	19.11	19.05	19.60	22.29	22.27	22.03	23.30
3GPP Rel 6	HSUPA Subtest-1	18.70	18.66	18.68	19.10	18.11	18.22	18.19	18.60	21.36	21.31	21.20	21.80
3GPP Rel 6	HSUPA Subtest-2	17.25	17.15	17.23	18.10	16.58	16.61	16.67	17.60	19.71	19.66	19.65	20.80
3GPP Rel 6	HSUPA Subtest-3	18.29	18.24	18.24	19.10	17.66	17.72	17.72	18.60	20.84	20.82	20.88	21.80
3GPP Rel 6	HSUPA Subtest-4	17.75	17.71	17.73	18.60	17.16	17.18	17.15	18.10	20.34	20.32	20.17	21.30
3GPP Rel 6	HSUPA Subtest-5	20.30	20.14	20.20	21.10	19.62	19.72	19.72	20.60	22.90	22.80	22.70	23.80
3GPP Rel 7	HSPA+ (HSPA-M) Subtest-4	20.06	20.04	20.00	21.10	19.81	19.88	19.58	20.60	22.65	22.71	22.58	23.80

Band 2 Ant 0_DS118											
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)				18700	18800	19000					
20	QPSK	1	0	20.78	20.80	20.64	21.8	0			
20	QPSK	1	49	20.83	21.02	20.71					
20	QPSK	1	99	20.66	20.73	20.67					
20	QPSK	50	0	20.91	20.95	20.74	21.8	0			
20	QPSK	50	24	20.90	20.93	20.78					
20	QPSK	50	50	20.85	20.81	20.75					
20	QPSK	100	0	20.80	20.84	20.74	21.8	0			
20	16QAM	1	0	20.95	21.00	20.95					
20	16QAM	1	49	20.92	21.01	20.92					
20	16QAM	1	99	20.95	20.98	20.95	21.8	0			
20	16QAM	50	0	20.88	20.87	20.76					
20	16QAM	50	24	20.89	20.93	20.81					
20	16QAM	50	50	20.83	20.83	20.76	21.8	0			
20	16QAM	100	0	20.82	20.83	20.74					
20	84QAM	1	0	20.94	21.01	20.82					
20	84QAM	1	49	20.96	20.91	20.95	21.8	0			
20	84QAM	1	99	20.86	20.86	20.86					
20	84QAM	50	0	20.34	20.30	20.25					
20	84QAM	50	24	20.37	20.41	20.29	21.3	0.5			
20	84QAM	50	50	20.29	20.29	20.23					
20	84QAM	100	0	20.30	20.32	20.23					
Channel											
Frequency (MHz)				18675 <th>18800</th> <th>19025<th></th><th></th><th></th></th>	18800	19025 <th></th> <th></th> <th></th>					
15	QPSK	1	0	20.77	20.77	20.63	21.8	0			
15	QPSK	1	37	20.75	20.83	20.67					
15	QPSK	1	74	20.67	20.66	20.58					
15	QPSK	36	0	20.86	20.91	20.64	21.8	0			
15	QPSK	36	20	20.84	20.88	20.72					
15	QPSK	36	39	20.77	20.71	20.72					
15	QPSK	75	0	20.75	20.74	20.66	21.8	0			
15	16QAM	1	0	20.91	20.97	20.88					
15	16QAM	1	37	20.87	20.94	20.83					
15	16QAM	1	74	20.86	20.88	20.85	21.8	0			
15	16QAM	36	0	20.83	20.78	20.68					
15	16QAM	36	20	20.79	20.85	20.73					
15	16QAM	36	39	20.76	20.73	20.66	21.8	0			
15	16QAM	75	0	20.75	20.76	20.71					
15	84QAM	1	0	20.91	20.91	20.75					
15	84QAM	1	37	20.88	20.83	20.86	21.8	0			
15	84QAM	1	74	20.83	20.77	20.82					
15	84QAM	36	0	20.25	20.24	20.17					
15	84QAM	36	20	20.31	20.35	20.21	21.3	0.5			
15	84QAM	36	39	20.25	20.23	20.16					
15	84QAM	75	0	20.21	20.22	20.13					
Channel											
Frequency (MHz)				18650 <th>18800</th> <th>19175<th></th><th></th><th></th></th>	18800	19175 <th></th> <th></th> <th></th>					
10	QPSK	1	0	20.75	20.76	20.61	21.8	0			
10	QPSK	1	25	20.75	20.88	20.64					
10	QPSK	1	49	20.62	20.66	20.63					
10	QPSK	25	0	20.88	20.82	20.64	21.8	0			
10	QPSK	25	12	20.87	20.86	20.72					
10	QPSK	25	25	20.78	20.73	20.66					
10	QPSK	50	0	20.71	20.79	20.69	21.8	0			
10	16QAM	1	0	20.92	20.96	20.89					
10	16QAM	1	25	20.89	20.96	20.83					
10	16QAM	1	49	20.89	20.89	20.86	21.8	0			
10	16QAM	25	0	20.84	20.83	20.68					
10	16QAM	25	12	20.86	20.83	20.75					
10	16QAM	25	25	20.76	20.77	20.66	21.8	0			
10	16QAM	50	0	20.75	20.78	20.66					
10	84QAM	1	0	20.90	20.93	20.76					
10	84QAM	1	25	20.87	20.82	20.92	21.8	0			
10	84QAM	1	49	20.77	20.81	20.79					
10	84QAM	25	0	20.25	20.24	20.21					
10	84QAM	25	12	20.34	20.38	20.23	21.3	0.5			
10	84QAM	25	25	20.24	20.23	20.14					
10	84QAM	50	0	20.24	20.22	20.17					
Channel											
Frequency (MHz)				18625 <th>18800</th> <th>19175<th></th><th></th><th></th></th>	18800	19175 <th></th> <th></th> <th></th>					
5	QPSK	1	0	20.77	20.76	20.60	21.8	0			
5	QPSK	1	12	20.76	20.85	20.68					
5	QPSK	1	24	20.63	20.64	20.58					
5	QPSK	12	0	20.85	20.85	20.67	21.8	0			
5	QPSK	12	6	20.82	20.89	20.72					
5	QPSK	12	13	20.82	20.77	20.65					
5	QPSK	25	0	20.77	20.80	20.69	21.8	0			
5	16QAM	1	0	20.92	20.92	20.92					
5	16QAM	1	12	20.87	20.92	20.88					
5	16QAM	1	24	20.90	20.81	20.76	21.8	0			
5	16QAM	12	0	20.83	20.78	20.70					
5	16QAM	12	7	20.82	20.87	20.76					
5	16QAM	12	13	20.76	20.76	20.68	21.8	0			
5	16QAM	25	0	20.72	20.79	20.66					
5	84QAM	1	0	20.89	20.83	20.79					
5	84QAM	1	12	20.93	20.83	20.92	21.8	0			
5	84QAM	1	24	20.80	20.80	20.78					
5	84QAM	12	0	20.27	20.20	20.18					
5	84QAM	12	7	20.27	20.35	20.24	21.3	0.5			
5	84QAM	12	13	20.25	20.22	20.20					
5	84QAM	25	0	20.27	20.22	20.14					
Channel											
Frequency (MHz)				18615 <th>18800</th> <th>19185<th></th><th></th><th></th></th>	18800	19185 <th></th> <th></th> <th></th>					
3	QPSK	1	0	20.73	20.76	20.63	21.8	0			
3	QPSK	1	8	20.77	20.94	20.68					
3	QPSK	1	14	20.61	20.67	20.62					
3	QPSK	8	0	20.84	20.90	20.71	21.8	0			
3	QPSK	8	4	20.80	20.87	20.69					
3	QPSK	8	7	20.77	20.71	20.70					
3	QPSK	15	0	20.76	20.77	20.70	21.8	0			
3	16QAM	1	0	20.87	20.91	20.86					
3	16QAM	1	8	20.85	20.98	20.86					
3	16QAM	1	14	20.92	20.92	20.91	21.8	0			
3	16QAM	8	0	20.85	20.78	20.67					
3	16QAM	8	4	20.80	20.88	20.77					
3	16QAM	15	0	20.75	20.73	20.73	21.8	0			
3	16QAM	15	7	20.75	20.77	20.71					
3	16QAM	15	13	20.79	20.80	20.64					
3	84QAM	1	0	20.84	20.94	20.72	21.8	0			
3	84QAM	1	8	20.92	20.81	20.91					
3	84QAM	1	14	20.79	20.82	20.82					
3	84QAM	8	0	20.26	20.26	20.17	21.3	0.5			
3	84QAM	8	7	20.27	20.35	20.24					
3	84QAM	8	7	20.21	20.19	20.13					
3	84QAM	15	0	20.23	20.28	20.17	21.8	0			
Channel											
Frequency (MHz)				18607 <th>18800</th> <th>19193<th></th><th></th><th></th></th>	18800	19193 <th></th> <th></th> <th></th>					
1.4	QPSK	1	0	20.77	20.78	20.62	21.8	0			
1.4	QPSK	1	8	20.78	20.96	20.68					
1.4	QPSK	1	5	20.63	20.64	20.62					
1.4	QPSK	3	0	20.88	20.88	20.70	21.8	0			
1.4	QPSK	3	1	20.80	20.89	20.73					
1.4	QPSK	3	3	20.78	20.77	20.67					
1.4	QPSK	6	0	20.88	20.81	20.67	21.8	0			
1.4	QPSK	6	3	20.86	20.95	20.68					
1.4	QPSK	3	3	20.88	20.91	20.83					
1.4	16QAM	1	5	20.90	20.90	20.88	21.8	0			
1.4	16QAM	3	0	20.80	20.80	20.67					
1.4	16QAM	3	1	20.79	20.83	20.75					
1.4	16QAM	3	3	20.73	20.77	20.73	21.8	0			
1.4	16QAM	3	6	20.76	20.77	20.71					
1.4	16QAM	3	9	20.76	20.76	20.68					
1.4	84QAM	1	0	20.84	20.92	20.72	21.8	0			
1.4	84QAM	1	3	20.90	20.82	20.90					
1.4	84QAM	1	5	20.81	20.80	20.82					
1.4	84QAM	3	0	20.88	20.88	20.74	21.8	0			
1.4	84QAM	3	3	20.88	20.85	20.86					
1.4	84QAM	3	3	20.78	20.86	20.78					
1.4	84QAM	6	0	20.20	20.23	20.14	21.3	0.5			

Band 7 Ant 0_DSI18											
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				20850	21000	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	22.86	23.02	22.95	23.6	0			
20	QPSK	1	49	23.20	23.25	23.24					
20	QPSK	1	99	23.13	23.02	23.21					
20	QPSK	50	0	22.25	22.28	22.27	22.6	1			
20	QPSK	50	24	22.15	22.21	22.19					
20	QPSK	50	50	22.14	22.20	22.18					
20	QPSK	100	0	22.16	22.21	22.18	22.6	1			
20	16QAM	1	0	21.90	22.13	22.03					
20	16QAM	1	49	22.04	22.15	22.16					
20	16QAM	1	99	22.21	22.24	22.22	22.6	1			
20	16QAM	50	0	20.99	21.20	21.17					
20	16QAM	50	24	21.10	21.19	21.20					
20	16QAM	50	50	21.17	21.17	21.28	21.6	2			
20	16QAM	100	0	21.08	21.16	21.22					
20	64QAM	1	0	21.10	21.29	21.20					
20	64QAM	1	49	21.18	21.19	21.38	21.6	2			
20	64QAM	1	99	21.11	21.12	21.28					
20	64QAM	50	0	19.96	20.10	20.21					
20	64QAM	50	24	20.16	20.16	20.18	20.6	3			
20	64QAM	50	50	20.11	20.14	20.19					
20	64QAM	100	0	20.00	20.03	20.22					
Channel				20825	21100	21375					
Frequency (MHz)				2507.5	2535	2562.5	Turn-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	22.82	23.07	23.16	23.6	0			
15	QPSK	1	37	22.98	23.01	23.04					
15	QPSK	1	74	22.99	23.24	23.23					
15	QPSK	36	0	22.00	22.12	22.23	22.6	1			
15	QPSK	36	20	22.00	22.26	22.32					
15	QPSK	36	39	22.23	22.19	22.35					
15	QPSK	75	0	22.07	22.20	22.32	22.6	1			
15	16QAM	1	0	22.16	22.34	22.16					
15	16QAM	1	37	22.16	22.31	22.25					
15	16QAM	1	74	22.26	22.39	22.43	21.6	2			
15	16QAM	36	0	21.05	21.18	21.19					
15	16QAM	36	20	21.09	21.20	21.25					
15	16QAM	36	39	21.21	21.23	21.40	21.6	2			
15	16QAM	75	0	21.11	21.15	21.30					
15	64QAM	1	0	21.03	21.27	21.36					
15	64QAM	1	37	21.37	21.55	21.35	21.6	2			
15	64QAM	1	74	21.47	21.43	21.31					
15	64QAM	36	0	20.08	20.17	20.29					
15	64QAM	36	20	20.17	20.24	20.35	20.6	3			
15	64QAM	36	39	20.26	20.20	20.37					
15	64QAM	75	0	20.12	20.06	20.21					
Channel				20900	21100	21400					
Frequency (MHz)				2505	2535	2565	Turn-up limit (dBm)		MPR (dB)		
10	QPSK	1	0	23.04	23.08	23.16	23.6	0			
10	QPSK	1	25	23.07	23.07	23.24					
10	QPSK	1	49	23.09	23.21	23.23					
10	QPSK	25	0	22.11	22.19	22.38	22.6	1			
10	QPSK	25	12	22.13	22.26	22.33					
10	QPSK	25	25	22.26	22.31	22.44					
10	QPSK	50	0	22.18	22.28	22.41	22.6	1			
10	16QAM	1	0	22.27	22.30	22.52					
10	16QAM	1	25	22.14	22.52	22.47					
10	16QAM	1	49	22.21	22.33	22.55	21.6	2			
10	16QAM	25	0	21.14	21.23	21.36					
10	16QAM	25	12	21.23	21.27	21.46					
10	16QAM	25	25	21.27	21.24	21.46	21.6	2			
10	16QAM	50	0	21.25	21.18	21.39					
10	64QAM	1	0	21.39	21.42	21.44					
10	64QAM	1	25	21.19	21.47	21.31	21.6	2			
10	64QAM	1	49	21.48	21.04	21.45					
10	64QAM	25	0	20.13	20.18	20.32					
10	64QAM	25	12	20.18	20.18	20.32	20.6	3			
10	64QAM	25	25	20.22	20.17	20.39					
10	64QAM	50	0	20.15	20.16	20.40					
Channel				2077.5	21100	21425					
Frequency (MHz)				2502.5 <th>2535</th> <th>2567.5</th> <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	2535	2567.5	Turn-up limit (dBm)		MPR (dB)		
5	QPSK	1	0	23.08	23.19	23.12	23.6	0			
5	QPSK	1	12	23.15	23.14	23.14					
5	QPSK	1	24	23.09	23.14	23.19					
5	QPSK	12	0	22.19	22.20	22.45	22.6	1			
5	QPSK	12	7	22.20	22.24	22.43					
5	QPSK	12	13	22.19	22.21	22.46					
5	QPSK	25	0	22.24	22.22	22.39	22.6	1			
5	16QAM	1	0	22.46	22.33	22.29					
5	16QAM	1	12	22.55	22.41	22.55					
5	16QAM	1	24	22.51	22.47	22.45	21.6	2			
5	16QAM	12	0	21.15	21.20	21.44					
5	16QAM	12	7	21.17	21.14	21.38					
5	16QAM	12	13	21.14	21.21	21.44	21.6	2			
5	16QAM	25	0	21.11	21.22	21.35					
5	64QAM	1	0	21.37	21.48	21.49					
5	64QAM	1	12	21.21	21.44	21.55	21.6	2			
5	64QAM	1	24	21.51	21.58	21.18					
5	64QAM	12	0	20.13	20.23	20.38					
5	64QAM	12	7	20.27	20.18	20.36	20.6	3			
5	64QAM	12	13	20.17	20.20	20.43					
5	64QAM	25	0	20.13	20.17	20.44					

Band 12 Ant 0 DSI18												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel				23600	23695	23790						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.85	23.88	23.80	24.8	0				
10	QPSK	1	25	23.88	23.91	23.85						
10	QPSK	1	49	23.83	23.85	23.81						
10	QPSK	25	0	22.90	22.92	22.79	23.8	1				
10	QPSK	25	12	22.88	22.89	22.78						
10	QPSK	25	25	22.85	22.88	22.71						
10	QPSK	50	0	22.85	22.89	22.81	22.8	2				
10	16QAM	1	0	22.87	22.87	23.16						
10	16QAM	1	25	22.85	23.24	23.03						
10	16QAM	1	49	23.09	22.81	23.02	22.8	2				
10	16QAM	25	0	21.87	21.76	21.83						
10	16QAM	25	12	22.02	21.70	21.89						
10	16QAM	25	25	21.89	21.67	21.78	21.8	3				
10	16QAM	50	0	21.85	21.70	21.79						
10	64QAM	1	0	22.16	21.75	21.69						
10	64QAM	1	25	22.16	21.76	21.65	23.8	2				
10	64QAM	1	49	22.02	21.76	21.67						
10	64QAM	25	0	21.01	20.86	20.81						
10	64QAM	25	12	20.97	20.87	20.73	21.8	3				
10	64QAM	25	25	20.97	20.72	20.75						
10	64QAM	50	0	20.94	20.74	20.72						
Channel				23605	23695	23795						
Frequency (MHz)				704.5	707.5	710.5						
5	QPSK	1	0	23.78	23.79	23.60	24.8	0				
5	QPSK	1	12	23.89	23.84	23.75						
5	QPSK	1	24	23.77	23.84	23.84						
5	QPSK	12	0	22.96	22.96	22.94	23.8	1				
5	QPSK	12	7	22.93	22.98	22.92						
5	QPSK	12	13	22.97	22.90	22.81						
5	16QAM	1	0	22.93	22.96	23.07	22.8	2				
5	16QAM	1	12	23.09	23.19	22.87						
5	16QAM	1	24	23.53	23.49	23.27						
5	16QAM	12	0	21.99	21.94	21.95	21.8	3				
5	16QAM	12	7	21.94	21.93	21.87						
5	16QAM	12	13	21.94	21.99	21.85						
5	16QAM	25	0	22.00	21.86	21.98	22.8	2				
5	64QAM	1	0	22.19	22.03	22.10						
5	64QAM	1	12	22.25	22.02	21.94						
5	64QAM	1	24	22.16	22.16	22.06	21.8	3				
5	64QAM	12	0	20.96	20.88	20.84						
5	64QAM	12	7	20.96	21.02	20.82						
5	64QAM	12	13	20.98	20.99	20.82	21.8	3				
5	64QAM	25	0	20.95	20.79	20.82						
Channel				23625	23695	23665						
Frequency (MHz)				703.5	707.5	714.5						
3	QPSK	1	0	23.79	23.78	23.75	24.8	0				
3	QPSK	1	8	23.63	23.72	23.70						
3	QPSK	1	14	23.90	23.62	23.77						
3	QPSK	8	0	22.97	22.94	22.91	23.8	1				
3	QPSK	8	7	22.94	22.73	22.94						
3	QPSK	8	14	22.96	22.85	22.87						
3	16QAM	1	0	23.50	23.93	23.48	23.8	1				
3	16QAM	1	8	23.24	23.48	22.90						
3	16QAM	1	14	23.32	23.19	23.06						
3	16QAM	8	0	21.89	21.94	21.80	22.8	2				
3	16QAM	8	7	22.10	21.88	21.87						
3	16QAM	8	14	22.05	21.91	21.91						
3	64QAM	15	0	21.96	21.87	21.84	22.8	2				
3	64QAM	1	0	22.45	21.77	22.04						
3	64QAM	1	8	21.77	22.21	21.77						
3	64QAM	1	16	22.09	22.01	22.11	21.8	3				
3	64QAM	8	0	20.91	20.88	20.89						
3	64QAM	8	7	20.91	21.01	20.99						
3	64QAM	15	0	20.91	20.88	20.89	22.8	2				
Channel				23617	23695	23373						
Frequency (MHz)				699.7	707.5	715.3						
1.4	QPSK	1	0	23.78	23.69	23.65	24.8	0				
1.4	QPSK	1	0	23.78	23.69	23.65						
1.4	QPSK	1	5	23.90	23.56	23.86						
1.4	QPSK	3	0	23.74	23.77	23.58	23.8	1				
1.4	QPSK	3	1	23.75	23.76	23.81						
1.4	QPSK	3	2	23.67	23.72	23.85						
1.4	QPSK	6	0	22.96	22.96	22.96	23.8	1				
1.4	16QAM	1	0	22.94	23.15	22.90						
1.4	16QAM	1	4	23.16	22.76	23.08						
1.4	16QAM	1	5	23.26	23.47	23.22	23.8	1				
1.4	16QAM	3	0	22.93	22.93	22.95						
1.4	16QAM	3	1	22.89	23.00	22.78						
1.4	16QAM	3	2	22.88	22.96	22.88	22.8	2				
1.4	16QAM	6	0	21.89	21.93	21.96						
1.4	64QAM	1	0	21.83	22.21	22.21						
1.4	64QAM	1	3	22.35	22.14	22.34	22.8	2				
1.4	64QAM	1	5	22.51	22.10	21.73						
1.4	64QAM	3	0	22.14	22.02	21.87						
1.4	64QAM	3	1	22.16	22.03	21.82	21.8	3				
1.4	64QAM	3	2	22.10	22.06	22.15						
1.4	64QAM	6	0	20.91	20.84	20.78						

Band 17 Ant 0_DSI18										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.		Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
				23760	23760	23800				
Channel				709	710	711				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.67	23.77	23.71				
10	QPSK	1	25	23.78	23.87	23.80		24.8	0	
10	QPSK	1	49	23.76	23.81	23.79				
10	QPSK	25	0	22.74	22.80	22.78				
10	QPSK	25	12	22.71	22.74	22.72		23.8	1	
10	QPSK	25	25	22.69	22.71	22.70				
10	QPSK	50	0	22.70	22.77	22.75				
10	16QAM	1	0	23.36	22.85	22.75				
10	16QAM	1	25	23.39	23.28	22.77		23.8	1	
10	16QAM	1	49	23.16	23.26	22.78				
10	16QAM	25	0	21.86	21.74	21.76				
10	16QAM	25	12	21.88	21.69	21.71		22.8	2	
10	16QAM	25	25	21.80	21.68	21.73				
10	16QAM	50	0	21.87	21.68	21.71				
10	64QAM	1	0	21.51	21.89	21.54				
10	64QAM	1	25	22.13	22.06	21.71		22.8	2	
10	64QAM	1	49	22.05	21.98	21.77				
10	64QAM	25	0	20.74	20.67	20.70				
10	64QAM	25	12	20.82	20.71	20.70		21.8	3	
10	64QAM	25	25	20.79	20.68	20.70				
10	64QAM	50	0	20.78	20.73	20.75				
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.66	23.74	23.81				
5	QPSK	1	12	23.65	23.75	23.86		24.8	0	
5	QPSK	1	24	23.79	23.78	23.81				
5	QPSK	12	0	22.86	22.87	22.81				
5	QPSK	12	7	22.86	22.80	22.85		23.8	1	
5	QPSK	12	13	22.86	22.81	22.80				
5	QPSK	25	0	22.81	22.81	22.77				
5	16QAM	1	0	22.83	22.85	23.53				
5	16QAM	1	12	22.99	23.59	23.64		23.8	1	
5	16QAM	1	24	23.48	23.41	22.92				
5	16QAM	12	0	21.79	21.88	21.85				
5	16QAM	12	7	21.83	21.81	21.91		22.8	2	
5	16QAM	12	13	21.90	21.85	21.86				
5	16QAM	25	0	21.92	21.77	21.81				
5	64QAM	1	0	21.62	22.09	22.04				
5	64QAM	1	12	22.37	22.19	22.36		22.8	2	
5	64QAM	1	24	22.21	21.94	21.80				
5	64QAM	12	0	20.90	20.84	20.78				
5	64QAM	12	7	20.91	20.81	20.89		21.8	3	
5	64QAM	12	13	20.75	20.88	20.85				
5	64QAM	25	0	20.78	20.81	20.98				

Band 25 Ant 0_DSI18													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.			Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)				
				20160	20160	20160							
Channel				1860			1860	1860	1860				
Frequency (MHz)				1860			1860	1860	1860				
20	QPSK	1	0	20.84	20.89	20.74							
20	QPSK	1	49	20.92	21.10	20.88		21.8	0				
20	QPSK	1	99	20.73	20.79	20.76							
20	QPSK	50	0	21.01	21.05	20.86							
20	QPSK	50	24	21.03	20.94	20.85		21.8	0				
20	QPSK	50	50	20.93	20.88	20.91							
20	QPSK	100	0	20.94	20.85	20.89							
20	16QAM	1	0	21.09	21.01	21.07							
20	16QAM	1	49	21.08	21.00	21.03		21.8	0				
20	16QAM	1	99	20.99	21.04	21.02							
20	16QAM	50	0	20.99	20.96	20.90							
20	16QAM	50	24	20.98	20.96	20.95		21.8	0				
20	16QAM	50	50	20.90	20.90	20.89							
20	16QAM	100	0	20.94	20.90	20.89							
20	64QAM	1	0	20.99	21.00	20.90							
20	64QAM	1	49	21.06	21.06	21.05		21.8	0				
20	64QAM	1	99	20.86	20.88	20.88							
20	64QAM	50	0	20.45	20.46	20.37							
20	64QAM	50	24	20.46	20.44	20.41		21.3	0.5				
20	64QAM	50	50	20.37	20.37	20.43							
20	64QAM	100	0	20.31	20.30	20.37							
Channel				20115 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>20340<th>20340<th>20340</th><th></th></th></th>			20340 <th>20340<th>20340</th><th></th></th>	20340 <th>20340</th> <th></th>	20340				
Frequency (MHz)				1857.5			1860	1907.5	1907.5				
15	QPSK	1	0	20.65	20.80	20.54							
15	QPSK	1	37	20.67	21.09	20.84		21.8	0				
15	QPSK	1	74	20.45	20.78	20.67							
15	QPSK	36	0	20.82	20.99	20.86							
15	QPSK	36	20	20.85	20.88	20.85		21.8	0				
15	QPSK	36	39	20.83	20.85	20.79							
15	QPSK	75	0	20.84	20.76	20.87							
15	16QAM	1	0	20.91	20.94	21.05							
15	16QAM	1	37	20.81	20.94	20.98		21.8	0				
15	16QAM	1	74	20.73	20.91	20.79							
15	16QAM	36	0	20.94	20.79	20.63							
15	16QAM	36	20	20.89	20.76	20.71		21.8	0				
15	16QAM	36	39	20.64	20.66	20.76							
15	16QAM	75	0	20.76	20.63	20.63							
15	64QAM	1	0	20.80	20.74	20.67							
15	64QAM	1	37	21.04	20.94	20.85		21.8	0				
15	64QAM	1	74	20.58	20.71	20.84							
15	64QAM	36	0	20.23	20.19	20.27							
15	64QAM	36	20	20.40	20.15	20.31		21.3	0.5				
15	64QAM	36	39	20.11	20.08	20.24							
15	64QAM	75	0	20.21	20.30	20.29							
Channel				20290 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>20340<th>20340<th>20340</th><th></th></th></th>			20340 <th>20340<th>20340</th><th></th></th>	20340 <th>20340</th> <th></th>	20340				
Frequency (MHz)				1855			1860	1910	1910				
10	QPSK	1	0	20.71	20.77	20.54							
10	QPSK	1	25	20.78	21.05	20.64		21.8	0				
10	QPSK	1	49	20.56	20.66	20.51							
10	QPSK	25	0	20.82	20.99	20.62							
10	QPSK	25	12	20.82	20.71	20.77		21.8	0				
10	QPSK	25	25	20.92	20.64	20.87							
10	QPSK	50	0	20.69	20.88	20.70							
10	16QAM	1	0	20.95	20.93	20.82							
10	16QAM	1	25	20.81	20.87	20.91		21.8	0				
10	16QAM	1	49	20.90	20.94	20.86							
10	16QAM	25	0	20.79	20.78	20.77							
10	16QAM	25	12	20.76	20.73	20.70		21.8	0				
10	16QAM	25	25	20.88	20.90	20.74							
10	16QAM	50	0	20.87	20.81	20.75							
10	64QAM	1	0	20.88	20.86	20.86							
10	64QAM	1	25	21.00	20.96	21.07		21.8	0				
10	64QAM	1	49	20.85	20.86	20.82							
10	64QAM	25	0	20.19	20.23	20.23							
10	64QAM	25	12	20.35	20.37	20.31		21.3	0.5				
10	64QAM	25	25	20.34	20.36	20.33							
10	64QAM	50	0	20.33	20.30	20.32							
Channel				20395 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>20340<th>20340<th>20340</th><th></th></th></th>			20340 <th>20340<th>20340</th><th></th></th>	20340 <th>20340</th> <th></th>	20340				
Frequency (MHz)				1852.5			1860	1912.5	1912.5				
5	QPSK	1	0	20.66	20.68	20.61							
5	QPSK	1	12	20.91	20.89	20.79		21.8	0				
5	QPSK	1	24	20.53	20.59	20.47							
5	QPSK	12	0	21.00	21.05	20.61							
5	QPSK	12	7	20.97	20.86	20.85		21.8	0				
5	QPSK	12	13	20.87	20.79	20.67							
5	QPSK	25	0	20.75	20.80	20.60							
5	16QAM	1	0	20.84	20.97	20.84							
5	16QAM	1	12	20.96	20.79	20.90							
5	16QAM	1	24	20.92	20.84	20.78		21.8	0				
5	16QAM	12	0	20.89	20.92	20.61							
5	16QAM	12	7	20.82	20.77	20.76		21.8	0				
5	16QAM	12	13	20.67	20.61	20.78							
5	16QAM	25	0	20.85	20.82	20.81							
5	64QAM	1	0	20.86	20.75	20.75							
5	64QAM	1	12	20.87	21.05	20.83		21.8	0				
5	64QAM	1	24	20.85	20.70	20.72							
5	64QAM	12	0	20.36	20.19	20.18							
5	64QAM	12	7	20.42	20.39	20.33							
5	64QAM	12	13	20.15	20.08	20.41		21.3	0.5				
5	64QAM	15	0	20.43	20.13	20.21							

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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				132072	133232	133297				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	19.89	19.92	19.90	20.8	0		
20	QPSK	1	49	19.97	20.10	19.96				
20	QPSK	1	99	19.62	19.73	19.80				
20	QPSK	50	0	19.86	20.05	20.00	20.8	0		
20	QPSK	50	24	19.95	19.97	20.01				
20	QPSK	50	50	19.95	19.95	20.04				
20	QPSK	100	0	19.90	19.93	19.91	20.8	0		
20	16QAM	1	0	19.96	20.05	19.98				
20	16QAM	1	49	19.99	20.04	20.08				
20	16QAM	1	99	19.88	19.83	19.87	20.8	0		
20	16QAM	50	0	19.84	19.98	20.01				
20	16QAM	50	24	19.95	19.97	19.99				
20	16QAM	50	50	19.92	19.94	20.00	20.8	0		
20	16QAM	100	0	19.91	19.94	19.90				
20	64QAM	1	0	20.08	20.02	20.04				
20	64QAM	1	49	20.09	20.04	20.02	20.8	0		
20	64QAM	1	99	19.95	19.92	19.94				
20	64QAM	50	0	19.85	19.98	20.00				
20	64QAM	50	24	19.93	19.97	20.00	20.8	0		
20	64QAM	50	50	19.91	19.97	20.02				
20	64QAM	100	0	19.85	19.92	19.94				
Channel				132047	132322	132697	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	19.88	19.68	19.64	20.8	0		
15	QPSK	1	37	19.71	19.81	19.96				
15	QPSK	1	74	19.79	19.45	19.52				
15	QPSK	36	0	19.82	19.79	19.88	20.8	0		
15	QPSK	36	20	19.66	19.89	19.89				
15	QPSK	36	39	19.71	19.77	20.03				
15	QPSK	75	0	19.89	19.76	19.90	20.8	0		
15	16QAM	1	0	19.69	19.95	19.74				
15	16QAM	1	37	19.77	20.04	19.81				
15	16QAM	1	74	19.72	19.62	19.86	20.8	0		
15	16QAM	36	0	19.67	19.83	19.94				
15	16QAM	36	20	19.85	19.77	19.82				
15	16QAM	36	39	19.63	19.85	19.94	20.8	0		
15	16QAM	75	0	19.62	19.73	19.84				
15	64QAM	1	0	20.03	19.73	19.88				
15	64QAM	1	37	19.99	20.02	19.92	20.8	0		
15	64QAM	1	74	19.92	19.71	19.90				
15	64QAM	36	0	19.80	19.80	19.73				
15	64QAM	36	20	19.80	19.81	19.96	20.8	0		
15	64QAM	36	39	19.74	19.82	19.96				
15	64QAM	75	0	19.81	19.72	19.87				
Channel				132022	132322	132697	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	19.64	19.63	19.73	20.8	0		
10	QPSK	1	25	19.64	19.99	19.74				
10	QPSK	1	49	19.76	19.70	19.57				
10	QPSK	25	0	19.81	19.79	19.96	20.8	0		
10	QPSK	25	12	19.83	19.87	19.83				
10	QPSK	25	25	19.83	19.83	19.83				
10	QPSK	50	0	19.69	19.71	19.70	20.8	0		
10	16QAM	1	0	19.90	19.96	19.87				
10	16QAM	1	25	19.77	19.87	19.81				
10	16QAM	1	49	19.86	19.77	19.76	20.8	0		
10	16QAM	25	0	19.68	19.73	19.87				
10	16QAM	25	12	19.82	19.76	19.76				
10	16QAM	25	25	19.90	19.90	19.90	20.8	0		
10	16QAM	50	0	19.74	19.73	19.64				
10	64QAM	1	0	19.88	20.07	19.90				
10	64QAM	1	25	20.04	19.77	19.90	20.8	0		
10	64QAM	1	49	19.70	19.68	19.65				
10	64QAM	25	0	19.77	19.98	19.99				
10	64QAM	25	12	19.72	19.76	19.95	20.8	0		
10	64QAM	25	25	19.68	19.92	19.94				
10	64QAM	50	0	19.72	19.69	19.65				
Channel				131597	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1772.5				
5	QPSK	1	0	19.72	19.78	19.65	20.8	0		
5	QPSK	1	12	19.75	20.05	19.94				
5	QPSK	1	24	19.77	19.67	19.78				
5	QPSK	12	0	19.65	20.03	19.98	20.8	0		
5	QPSK	12	7	19.82	19.93	19.84				
5	QPSK	12	13	19.77	19.91	19.81				
5	QPSK	25	0	19.88	19.82	19.91	20.8	0		
5	16QAM	1	0	19.90	19.88	19.72				
5	16QAM	1	12	19.96	19.77	19.97				
5	16QAM	1	24	19.69	19.67	19.82	20.8	0		
5	16QAM	12	0	19.58	19.75	19.79				
5	16QAM	12	7	19.73	19.80	19.85				
5	16QAM	12	13	19.63	19.93	19.91	20.8	0		
5	16QAM	25	0	19.71	19.76	19.82				
5	64QAM	1	0	19.90	20.05	19.96				
5	64QAM	1	12	19.89	19.95	20.01	20.8	0		
5	64QAM	1	24	19.86	19.69	19.78				
5	64QAM	12	0	19.70	19.93	19.91				
5	64QAM	12	7	19.77	19.73	19.90	20.8	0		
5	64QAM	12	13	19.67	19.93	19.73				
5	64QAM	25	0	19.76	19.68	19.98				
Channel				131597	132322	132697	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	19.76	19.65	19.70	20.8	0		
3	QPSK	1	8	19.96	20.07	19.80				
3	QPSK	1	14	19.64	19.72	19.59				
3	QPSK	8	0	19.69	19.95	19.92	20.8	0		
3	QPSK	8	4	19.81	19.80	19.78				
3	QPSK	8	7	19.76	19.75	19.98				
3	QPSK	15	0	19.72	19.81	19.65	20.8	0		
3	16QAM	1	0	19.95	19.78	19.96				
3	16QAM	1	8	19.91	19.85	19.97				
3	16QAM	1	14	19.68	19.76	19.86	20.8	0		
3	16QAM	8	0	19.66	19.80	19.77				
3	16QAM	8	4	19.64	19.74	19.76				
3	16QAM	8	7	19.91	19.79	19.80	20.8	0		
3	16QAM	15	0	19.67	19.70	19.88				
3	64QAM	1	0	20.05	20.00	19.98				
3	64QAM	1	8	19.91	19.86	19.75	20.8	0		
3	64QAM	1	14	19.83	19.80	19.82				
3	64QAM	8	0	19.74	19.90	19.93				
3	64QAM	8	4	19.72	19.79	19.90	20.8	0		
3	64QAM	8	7	19.82	19.97	19.80				
3	64QAM	15	0	19.62	19.76	19.92				
Channel				131979	132322	132695	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	19.65	19.65	19.70	20.8	0		
1.4	QPSK	1	8	19.96	20.07	19.80				
1.4	QPSK	1	5	19.58	19.69	19.71				
1.4	QPSK	3	0	19.80	19.90	19.78	20.8	0		
1.4	QPSK	3	3	19.68	19.83	19.99				
1.4	QPSK	6	0	19.83	19.79	19.88				
1.4	16QAM	1	0	19.86	19.78	19.89	20.8	0		
1.4	16QAM	3	3	19.91	19.94	19.91				
1.4	16QAM	1	5	19.78	19.75	19.84				
1.4	16QAM	3	0	19.74	19.83	19.96	20.8	0		
1.4	16QAM	3	1	19.78	19.94	19.76				
1.4	16QAM	3	5	19.86	19.88	19.78				
1.4	16QAM	1	0	19.66	19.79	19.96	20.8	0		
1.4	64QAM	1	0	19.81	19.76	19.81				
1.4	64QAM	1	3	19.84	19.83	19.74				
1.4	64QAM	1	5	19.89	19.78	19.79	20.8	0		
1.4	64QAM	3	0	19.67	19.92	19.80				
1.4	64QAM	1	1	19.79	19.76	19.83				
1.4	64QAM	3	3	19.91	19.76	19.93	20.8	0		
1.4	64QAM	6	0	19.80	19.70	19.92				

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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 Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.18	23.21	23.19	23.8	0		
20	QPSK	1	49	23.22	23.35	23.34				
20	QPSK	1	99	23.30	23.30	23.30				
20	QPSK	50	0	22.23	22.27	22.25	22.8	1		
20	QPSK	50	24	22.21	22.25	22.23				
20	QPSK	50	50	22.18	22.23	22.21				
20	QPSK	100	0	22.19	22.21	22.21	22.8	1		
20	16QAM	1	0	22.22	22.25	22.23				
20	16QAM	1	49	22.36	22.42	22.40				
20	16QAM	1	99	22.42	22.40	22.34	21.8	2		
20	16QAM	50	0	21.12	21.18	21.15				
20	16QAM	50	24	21.19	21.19	21.26				
20	16QAM	50	50	21.25	21.30	21.26	21.8	2		
20	16QAM	100	0	21.23	21.32	21.28				
20	64QAM	1	0	20.84	20.86	20.90				
20	64QAM	1	49	21.00	21.02	21.07	20.8	3		
20	64QAM	1	99	21.07	21.03	21.05				
20	64QAM	50	0	20.13	20.19	20.22				
20	64QAM	50	24	20.22	20.20	20.29	100-up Int (ms)	MFR (dB)		
20	64QAM	50	50	20.19	20.31	20.28				
20	64QAM	100	0	20.16	20.21	20.26				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.17	23.24	23.23	23.8	0		
15	QPSK	1	37	23.27	23.31	23.32				
15	QPSK	1	74	23.30	23.31	23.34				
15	QPSK	36	0	22.28	22.35	22.30	22.8	1		
15	QPSK	36	20	22.32	22.37	22.36				
15	QPSK	36	39	22.37	22.37	22.38				
15	QPSK	75	0	22.33	22.35	22.36	22.8	1		
15	16QAM	1	0	22.34	22.42	22.39				
15	16QAM	1	37	22.46	22.50	22.45				
15	16QAM	1	74	22.49	22.47	22.48	21.8	2		
15	16QAM	36	0	21.27	21.36	21.37				
15	16QAM	36	20	21.32	21.36	21.37				
15	16QAM	36	39	21.33	21.38	21.37	21.8	2		
15	16QAM	75	0	21.36	21.41	21.38				
15	64QAM	1	0	21.03	21.09	21.06				
15	64QAM	1	37	21.12	21.19	21.20	21.8	2		
15	64QAM	1	74	21.13	21.14	21.15				
15	64QAM	36	0	20.35	20.37	20.36				
15	64QAM	36	20	20.35	20.39	20.39	100-up Int (ms)	MFR (dB)		
15	64QAM	36	39	20.33	20.39	20.40				
15	64QAM	75	0	20.34	20.39	20.36				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.19	23.27	23.26	23.8	0		
10	QPSK	1	25	23.24	23.29	23.33				
10	QPSK	1	49	23.26	23.27	23.35				
10	QPSK	25	0	22.35	22.43	22.42	22.8	1		
10	QPSK	25	12	22.34	22.41	22.42				
10	QPSK	25	25	22.35	22.42	22.48				
10	16QAM	1	0	22.42	22.46	22.44	22.8	1		
10	16QAM	1	25	22.43	22.51	22.63				
10	16QAM	1	49	22.44	22.47	22.50				
10	16QAM	25	0	21.36	21.44	21.46	21.8	2		
10	16QAM	25	12	21.35	21.40	21.47				
10	16QAM	25	25	21.39	21.41	21.45				
10	16QAM	50	0	21.37	21.45	21.44	21.8	2		
10	16QAM	50	1	21.08	21.13	21.16				
10	64QAM	1	25	21.10	21.18	21.22				
10	64QAM	1	49	21.10	21.13	21.16	20.8	3		
10	64QAM	25	0	20.37	20.45	20.48				
10	64QAM	25	12	20.38	20.43	20.48				
10	64QAM	25	25	20.40	20.46	20.48	100-up Int (ms)	MFR (dB)		
10	64QAM	50	0	20.39	20.43	20.40				
10	64QAM	50	0	20.39	20.44	20.48				

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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 Int (ms)	MFR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	0	0	22.41	22.39	22.48	22.58	22.34	23.8	0		
20	QPSK	1	49	22.49	22.45	22.59	22.54	22.40				
20	QPSK	1	99	22.43	22.40	22.58	22.50	22.47				
20	QPSK	50	0	21.54	21.53	21.70	21.69	21.50	22.8	1		
20	QPSK	50	24	21.59	21.49	21.60	21.57	21.49				
20	QPSK	50	50	21.51	21.41	21.53	21.53	21.40				
20	QPSK	100	0	21.57	21.49	21.57	21.63	21.42	22.8	1		
20	16QAM	1	0	21.54	21.46	21.48	21.53	21.44				
20	16QAM	1	49	21.69	21.63	21.76	21.70	21.69				
20	16QAM	1	99	21.69	21.67	21.62	21.69	21.68	21.8	2		
20	16QAM	50	0	20.45	20.37	20.36	20.41	20.36				
20	16QAM	50	24	20.45	20.53	20.49	20.52	20.51				
20	16QAM	50	50	20.54	20.57	20.60	20.48	20.54	21.8	2		
20	16QAM	100	0	20.56	20.47	20.71	20.55	20.54				
20	64QAM	1	0	20.22	20.14	20.31	20.13	20.12				
20	64QAM	1	49	20.33	20.33	20.44	20.25	20.37	21.8	2		
20	64QAM	1	99	20.31	20.29	20.45	20.31	20.30				
20	64QAM	50	0	19.47	19.37	19.42	19.37	19.36				
20	64QAM	50	24	19.54	19.45	19.56	19.33	19.40	20.8	3		
20	64QAM	50	50	19.55	19.56	19.57	19.56	19.46				
20	64QAM	100	0	19.52	19.42	19.61	19.53	19.42				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.46	22.47	22.46	22.42	22.39	24	0		
15	QPSK	1	37	22.54	22.44	22.53	22.51	22.58				
15	QPSK	1	74	22.45	22.55	22.54	22.57	22.33				
15	QPSK	36	0	21.56	21.66	21.61	21.52	21.60	22.8	1		
15	QPSK	36	20	21.68	21.59	21.63	21.63	21.52				
15	QPSK	36	39	21.59	21.62	21.62	21.59	21.47				
15	QPSK	75	0	21.68	21.57	21.60	21.60	21.57	22.8	1		
15	16QAM	1	0	21.64	21.60	21.68	21.66	21.63				
15	16QAM	1	37	21.72	21.69	21.78	21.76	21.68				
15	16QAM	1	74	21.73	21.65	21.79	21.76	21.49	21.8	2		
15	16QAM	36	0	20.88	20.81	20.98	20.49	20.55				
15	16QAM	36	20	20.67	20.60	20.67	20.53	20.51				
15	16QAM	36	39	20.50	20.65	20.66	20.53	20.65	21.8	2		
15	16QAM	75	0	20.55	20.70	20.77	20.77	20.69				
15	64QAM	1	0	20.63	20.35	20.39	20.34	20.33				
15	64QAM	1	37	20.59	20.46	20.53	20.24	20.42	21.8	2		
15	64QAM	1	74	20.38	20.39	20.48	20.37	20.29				
15	64QAM	36	0	19.47	19.64	19.70	19.66	19.55				
15	64QAM	36	20	19.35	19.63	19.74	19.57	19.55	20.8	3		
15	64QAM	36	39	19.54	19.54	19.73	19.66	19.51				
15	64QAM	75	0	19.54	19.64	19.76	19.67	19.57				
Channel												
Frequency (MHz)												
10	QPSK	0	0	22.43	22.38	22.56	22.56	22.57	23.80	0		
10	QPSK	1	25	22.55	22.57	22.51	22.51	22.57				
10	QPSK	1	49	22.48	22.55	22.53	22.51	22.40				
10	QPSK	25	0	21.73	21.65	21.79	21.62	21.75	22.8	1		
10	QPSK	25	12	21.59	21.59	21.70	21.69	21.75				
10	QPSK	25	25	21.72	21.62	21.81	21.69	21.84				
10	QPSK	50	0	21.67	21.72	21.83	21.68	21.66	22.8	1		
10	16QAM	1	0	21.81	21.64	21.83	21.63	21.71				
10	16QAM	1	25	21.76	21.76	21.88	21.74	21.74				
10	16QAM	1	49	21.67	21.77	21.81	21.66	21.77	21.8	2		
10	16QAM	25										

GSM850 Ant 1, DSII18		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	169	251		128	169	251	
Frequency (MHz)		824.2	835.4	849.3		824.2	835.4	849.3	
GSM 1 Tx slot		32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot		32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots		30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots		27.73	27.86	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots		27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)		32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)		30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)		27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)		27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot		26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots		23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots		20.99	20.95	20.98	22.30	16.73	16.68	16.72	18.04
EDGE 4 Tx slots		20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 Ant 1, DSII18		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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		27.02	27.01	26.90	27.60	18.02	18.01	17.90	18.60
GPRS 1 Tx slot		27.03	27.05	26.90	27.60	18.03	18.05	17.90	18.60
GPRS 2 Tx slots		24.30	24.30	24.22	25.10	18.30	18.30	18.22	19.10
GPRS 3 Tx slots		22.21	22.25	22.15	22.80	17.95	17.99	17.89	18.54
GPRS 4 Tx slots		21.48	21.59	21.49	22.30	18.48	18.59	18.49	19.30
EDGE(GMSK 1 Tx slot)		27.02	27.03	26.88	27.60	18.02	18.03	17.88	18.60
EDGE(GMSK 2 Tx slots)		24.28	24.37	24.21	25.10	18.28	18.37	18.21	19.10
EDGE(GMSK 3 Tx slots)		22.20	22.21	22.10	22.80	17.94	17.95	17.84	18.54
EDGE(GMSK 4 Tx slots)		21.45	21.56	21.48	22.30	18.45	18.56	18.48	19.30
EDGE 1 Tx slot		21.90	21.96	21.92	23.10	12.90	12.96	12.92	14.10
EDGE 2 Tx slots		19.88	19.94	19.90	20.80	13.88	13.94	13.90	14.80
EDGE 3 Tx slots		18.69	18.76	18.71	19.10	14.43	14.50	14.45	14.84
EDGE 4 Tx slots		16.80	16.87	16.83	17.30	13.80	13.87	13.83	14.30

Band		WCDMA II Ant 1, DSII18			Tune-up Limit (dBm)	WCDMA IV Ant 1, DSII18			Tune-up Limit (dBm)	WCDMA V Ant 1, DSII18			Tune-up Limit (dBm)
Rx Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Frequency (MHz)		9662	9800	9938		1537	1638	1738		4357	4407	4458	
3GPP Rel 99	AMR 12.2Kbps	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	19.57	19.60	19.55	20.60	19.46	19.48	19.42	20.60	23.73	23.79	23.68	24.80
3GPP Rel 99	RMC 12.2Kbps	19.58	19.61	19.56	20.60	19.47	19.50	19.43	20.60	23.79	23.81	23.68	24.80
3GPP Rel 6	HSDPA Subtest-1	18.58	18.56	18.53	19.60	18.36	18.33	18.29	19.60	22.76	22.71	22.63	23.80
3GPP Rel 6	HSDPA Subtest-2	18.56	18.52	18.50	19.60	18.36	18.32	18.28	19.60	22.75	22.69	22.58	23.80
3GPP Rel 6	HSDPA Subtest-3	18.10	18.06	18.05	18.60	17.88	17.84	17.77	18.60	22.26	22.24	22.12	23.30
3GPP Rel 6	HSDPA Subtest-4	18.05	18.04	17.99	18.60	17.83	17.79	17.73	18.60	22.21	22.20	22.06	23.30
3GPP Rel 6	DC-HSDPA Subtest-1	18.56	18.52	18.49	19.60	18.31	18.30	18.26	19.60	22.75	22.53	22.59	23.80
3GPP Rel 6	DC-HSDPA Subtest-2	18.52	18.50	18.49	19.60	18.32	18.29	18.21	19.60	22.66	22.53	22.48	23.80
3GPP Rel 6	DC-HSDPA Subtest-3	18.08	18.01	18.00	18.60	17.87	17.79	17.72	18.60	22.19	22.15	22.05	23.30
3GPP Rel 6	DC-HSDPA Subtest-4	18.04	18.00	17.97	18.60	17.81	17.75	17.72	18.60	22.15	22.01	21.86	23.30
3GPP Rel 6	HSUPA Subtest-1	16.84	16.95	16.98	17.60	16.85	16.88	16.88	17.60	21.19	21.15	21.05	21.80
3GPP Rel 6	HSUPA Subtest-2	15.44	15.45	15.42	16.60	15.42	15.32	15.37	16.60	19.65	19.65	19.51	20.80
3GPP Rel 6	HSUPA Subtest-3	16.45	16.43	16.47	17.60	16.39	16.31	16.40	17.60	20.73	20.67	20.54	21.80
3GPP Rel 6	HSUPA Subtest-4	15.97	15.91	15.94	17.10	15.87	15.89	15.87	17.10	20.18	20.12	20.03	21.30
3GPP Rel 6	HSUPA Subtest-5	18.37	18.37	18.44	19.60	18.37	18.36	18.34	19.60	22.70	22.70	22.50	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.24	18.38	18.36	19.60	18.35	18.28	18.25	19.60	22.31	22.37	22.28	23.80

Band 2 Ant 1_DS118										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Edge	Power Middle Ch. / Edge	Power High Ch. / Edge	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	19.25	19.33	19.27	20.3	0		
20	QPSK	1	49	19.35	19.50	19.28				
20	QPSK	1	99	19.11	19.31	19.26				
20	QPSK	50	0	19.35	19.46	19.45				
20	QPSK	50	24	19.33	19.39	19.41	20.3	0		
20	QPSK	50	50	19.30	19.36	19.24				
20	QPSK	100	0	19.39	19.42	19.38				
20	16QAM	1	0	19.33	19.43	19.19				
20	16QAM	1	49	19.38	19.34	19.11	20.3	0		
20	16QAM	1	99	19.41	19.43	19.13				
20	16QAM	50	0	19.41	19.29	19.43				
20	16QAM	50	24	19.42	19.46	19.37				
20	16QAM	50	50	19.31	19.36	19.32	20.3	0		
20	16QAM	100	0	19.35	19.38	19.35				
20	64QAM	1	0	19.38	19.40	19.22				
20	64QAM	1	49	19.38	19.44	19.40				
20	64QAM	1	99	19.32	19.48	19.25	20.3	0		
20	64QAM	50	0	19.33	19.39	19.22				
20	64QAM	50	24	19.38	19.39	19.38				
20	64QAM	50	50	19.33	19.39	19.34				
20	64QAM	100	0	19.30	19.28	19.30	20.3	0		
Channel				1867.5	1890.0	1912.5				
Frequency (MHz)				1857.5	1880.0	1902.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	19.20	19.25	19.18	20.3	0		
15	QPSK	1	37	19.34	19.47	19.27				
15	QPSK	1	74	19.01	19.23	19.21				
15	QPSK	36	0	19.32	19.41	19.29				
15	QPSK	36	20	19.29	19.30	19.34	20.3	0		
15	QPSK	36	39	19.22	19.28	19.17				
15	QPSK	75	0	19.29	19.36	19.35				
15	16QAM	1	0	19.26	19.34	19.16				
15	16QAM	1	37	19.35	19.31	19.01	20.3	0		
15	16QAM	1	74	19.35	19.35	19.10				
15	16QAM	36	0	19.37	19.25	19.36				
15	16QAM	36	20	19.37	19.37	19.33				
15	16QAM	36	39	19.24	19.28	19.27	20.3	0		
15	16QAM	75	0	19.26	19.30	19.31				
15	64QAM	1	0	19.29	19.31	19.19				
15	64QAM	1	37	19.30	19.36	19.37				
15	64QAM	1	74	19.26	19.40	19.19	20.3	0		
15	64QAM	36	0	19.28	19.31	19.15				
15	64QAM	36	20	19.33	19.29	19.28				
15	64QAM	36	39	19.27	19.30	19.29				
15	64QAM	75	0	19.25	19.23	19.26	20.3	0		
Channel				1865.0	1890.0	1915.0				
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	19.15	19.25	19.20	20.3	0		
10	QPSK	1	25	19.31	19.45	19.27				
10	QPSK	1	49	19.01	19.26	19.17				
10	QPSK	25	0	19.30	19.39	19.30				
10	QPSK	25	12	19.28	19.29	19.36	20.3	0		
10	QPSK	25	25	19.22	19.27	19.17				
10	QPSK	50	0	19.35	19.32	19.28				
10	16QAM	1	0	19.27	19.38	19.16				
10	16QAM	1	25	19.28	19.25	19.05	20.3	0		
10	16QAM	1	49	19.33	19.40	19.04				
10	16QAM	25	0	19.38	19.26	19.38				
10	16QAM	25	12	19.33	19.37	19.30				
10	16QAM	25	25	19.21	19.26	19.26	20.3	0		
10	16QAM	50	0	19.27	19.35	19.26				
10	64QAM	1	0	19.33	19.31	19.19				
10	64QAM	1	25	19.32	19.35	19.36				
10	64QAM	1	49	19.27	19.39	19.15	20.3	0		
10	64QAM	25	0	19.29	19.32	19.13				
10	64QAM	25	12	19.33	19.31	19.35				
10	64QAM	25	25	19.25	19.32	19.26				
10	64QAM	50	0	19.25	19.24	19.20	20.3	0		
Channel				1862.5	1890.0	1917.5				
Frequency (MHz)				1852.5	1880.0	1907.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	19.15	19.29	19.24	20.3	0		
5	QPSK	1	12	19.31	19.46	19.26				
5	QPSK	1	24	19.07	19.28	19.19				
5	QPSK	12	0	19.27	19.42	19.29				
5	QPSK	12	6	19.25	19.34	19.35	20.3	0		
5	QPSK	12	13	19.26	19.29	19.16				
5	QPSK	25	0	19.33	19.33	19.29				
5	16QAM	1	0	19.30	19.33	19.13				
5	16QAM	1	12	19.33	19.29	19.04	20.3	0		
5	16QAM	1	24	19.31	19.35	19.04				
5	16QAM	12	0	19.32	19.22	19.39				
5	16QAM	12	7	19.39	19.42	19.31				
5	16QAM	12	13	19.22	19.30	19.25	20.3	0		
5	16QAM	25	0	19.26	19.34	19.31				
5	64QAM	1	0	19.34	19.31	19.13				
5	64QAM	1	12	19.35	19.36	19.34				
5	64QAM	1	24	19.25	19.33	19.17	20.3	0		
5	64QAM	12	0	19.23	19.36	19.16				
5	64QAM	12	7	19.31	19.30	19.28				
5	64QAM	12	13	19.26	19.36	19.26				
5	64QAM	25	0	19.22	19.18	19.26	20.3	0		
Channel				1861.5	1890.0	1918.5				
Frequency (MHz)				1851.5	1880.0	1908.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	19.21	19.27	19.21	20.3	0		
3	QPSK	1	8	19.33	19.47	19.27				
3	QPSK	1	14	19.04	19.28	19.16				
3	QPSK	8	0	19.28	19.42	19.29				
3	QPSK	8	4	19.29	19.29	19.38	20.3	0		
3	QPSK	8	7	19.26	19.27	19.21				
3	QPSK	15	0	19.36	19.38	19.29				
3	16QAM	1	0	19.28	19.38	19.12				
3	16QAM	1	8	19.33	19.24	19.05	20.3	0		
3	16QAM	1	14	19.31	19.37	19.10				
3	16QAM	8	0	19.35	19.24	19.40				
3	16QAM	8	4	19.34	19.43	19.33				
3	16QAM	8	7	19.27	19.32	19.24	20.3	0		
3	16QAM	15	0	19.30	19.20	19.26				
3	64QAM	1	0	19.31	19.35	19.15				
3	64QAM	1	8	19.30	19.35	19.32				
3	64QAM	1	14	19.29	19.39	19.20	20.3	0		
3	64QAM	8	0	19.29	19.31	19.18				
3	64QAM	8	4	19.30	19.32	19.30				
3	64QAM	8	7	19.23	19.35	19.31				
3	64QAM	15	0	19.27	19.25	19.25	20.3	0		
Channel				1860.7	1890.0	1919.3				
Frequency (MHz)				1850.7	1880.0	1909.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	19.16	19.26	19.21	20.3	0		
1.4	QPSK	1	3	19.30	19.43	19.24				
1.4	QPSK	1	5	19.02	19.22	19.23				
1.4	QPSK	3	0	19.29	19.35	19.29				
1.4	QPSK	3	1	19.24	19.29	19.35	20.3	0		
1.4	QPSK	3	3	19.23	19.28	19.21				
1.4	QPSK	6	0	19.33	19.34	19.28				
1.4	QPSK	6	1	19.26	19.34	19.09				
1.4	16QAM	1	3	19.33	19.30	19.05	20.3	0		
1.4	16QAM	1	5	19.36	19.33	19.06				
1.4	16QAM	3	0	19.34	19.25	19.37				
1.4	16QAM	3	1	19.39	19.40	19.29				
1.4	16QAM	3	2	19.29	19.29	19.27	20.3	0		
1.4	16QAM	6	0	19.29	19.34	19.28				
1.4	64QAM	1	0	19.34	19.35	19.19				
1.4	64QAM	1	3	19.28	19.38	19.35				
1.4	64QAM	1	5	19.28	19.40	19.17	20.3	0		
1.4	64QAM	3	0	19.25	19.31	19.18				
1.4	64QAM	3	1	19.31	19.34	19.28				
1.4	64QAM	3	2	19.30	19.36	19.30				
1.4	64QAM	6	0	19.25	19.22	19.24	20.3	0		



Band 5 Ant 1_DS18										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Edge	Power Middle Ch. / Edge	Power High Ch. / Edge	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.51	23.58	23.38	24.8	0		
10	QPSK	1	25	23.67	23.81	23.46				
10	QPSK	1	49	23.54	23.63	23.38				
10	QPSK	25	0	22.53	22.56	22.42				
10	QPSK	25	12	22.46	22.54	22.40	23.8	1		
10	QPSK	25	25	22.45	22.48	22.38				
10	QPSK	50	0	22.50	22.53	22.43				
10	16QAM	1	0	22.51	22.59	22.63				
10	16QAM	1	25	22.51	22.81	22.96	23.8	1		
10	16QAM	1	49	22.47	22.96	22.86				
10	16QAM	25	0	21.55	21.50	21.30				
10	16QAM	25	12	21.60	21.46	21.39				
10	16QAM	25	25	21.47	21.59	21.44	22.8	2		
10	16QAM	50	0	21.51	21.46	21.46				
10	64QAM	1	0	21.72	21.53	21.56				
10	64QAM	1	25	21.73	21.73	21.25				
10	64QAM	1	49	21.58	21.67	21.29	22.8	2		
10	64QAM	25	0	20.49	20.54	20.42				
10	64QAM	25	12	20.55	20.58	20.38				
10	64QAM	25	25	20.50	20.63	20.34				
10	64QAM	50	0	20.52	20.43	20.33	21.8	3		
Channel				20425	20525	20625				
Frequency (MHz)				828.5	836.5	846.5				
5	QPSK	1	0	23.54	23.77	23.45	24.8	0		
5	QPSK	1	12	23.75	23.67	23.76				
5	QPSK	1	24	23.54	23.63	23.60				
5	QPSK	12	0	22.77	22.85	22.56				
5	QPSK	12	7	22.70	22.82	22.54	23.8	1		
5	QPSK	12	13	22.63	22.69	22.52				
5	QPSK	25	0	22.60	22.67	22.59				
5	16QAM	1	0	23.24	23.15	23.02				
5	16QAM	1	12	22.64	22.68	23.04	23.8	1		
5	16QAM	1	24	22.43	22.90	23.16				
5	16QAM	12	0	21.69	21.65	21.51				
5	16QAM	12	7	21.56	21.63	21.51				
5	16QAM	12	13	21.67	21.66	21.42	22.8	2		
5	16QAM	25	0	21.65	21.68	21.50				
5	64QAM	1	0	21.72	21.97	21.44				
5	64QAM	1	12	22.06	21.53	21.57				
5	64QAM	1	24	21.54	21.40	21.31	22.8	2		
5	64QAM	12	0	20.73	20.57	20.46				
5	64QAM	12	7	20.65	20.70	20.47				
5	64QAM	12	13	20.52	20.67	20.52				
5	64QAM	25	0	20.60	20.68	20.56	20.6			
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.69	23.59	23.63	24.8	0		
3	QPSK	1	8	23.77	23.77	23.68				
3	QPSK	8	0	22.69	22.66	22.81				
3	QPSK	8	4	22.59	22.62	22.72				
3	QPSK	8	7	22.61	22.64	22.68	23.8	1		
3	QPSK	15	0	22.65	22.69	22.72				
3	16QAM	1	0	23.12	23.17	23.17				
3	16QAM	1	8	23.21	22.97	22.74				
3	16QAM	1	14	23.04	22.78	22.99	22.8	2		
3	16QAM	8	0	21.74	21.63	21.71				
3	16QAM	8	4	21.67	21.66	21.62				
3	16QAM	8	7	21.62	21.65	21.71				
3	16QAM	15	0	21.73	21.74	21.77	22.8	2		
3	64QAM	1	0	21.71	21.95	21.63				
3	64QAM	1	8	21.77	21.74	21.84				
3	64QAM	1	14	21.95	21.89	21.47				
3	64QAM	8	0	20.72	20.66	20.76	21.8	3		
3	64QAM	8	4	20.58	20.62	20.67				
3	64QAM	8	7	20.62	20.56	20.68				
3	64QAM	15	0	20.56	20.56	20.71				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.75	23.39	23.71	24.8	0		
1.4	QPSK	1	3	23.80	23.58	23.71				
1.4	QPSK	1	5	23.70	23.76	23.80				
1.4	QPSK	3	0	23.60	23.67	23.66				
1.4	QPSK	3	1	23.66	23.55	23.76	23.8	1		
1.4	QPSK	3	3	23.64	23.55	23.73				
1.4	QPSK	6	0	22.62	22.65	22.77				
1.4	16QAM	1	0	23.15	22.74	22.68				
1.4	16QAM	1	3	22.89	22.89	23.28	23.8	1		
1.4	16QAM	1	5	23.11	23.15	23.16				
1.4	16QAM	3	0	22.85	22.87	22.85				
1.4	16QAM	3	1	22.63	22.69	22.84				
1.4	16QAM	3	3	22.70	22.72	22.72	22.8	2		
1.4	16QAM	6	0	21.65	21.83	21.81				
1.4	64QAM	1	0	21.89	21.78	21.96				
1.4	64QAM	1	3	22.01	21.92	22.12				
1.4	64QAM	1	5	21.42	21.65	21.65	22.8	2		
1.4	64QAM	3	0	21.62	21.86	21.85				
1.4	64QAM	3	1	21.72	21.78	21.83				
1.4	64QAM	3	3	21.44	21.74	21.87				
1.4	64QAM	6	0	20.60	20.60	20.70	21.8	3		

Band 7 Ant 1_DS18										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Edge	Power Middle Ch. / Edge	Power High Ch. / Edge	Tune-up limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	20.25	20.25	20.16	20.6	0		
20	QPSK	1	49	20.40	20.43	20.36				
20	QPSK	1	99	20.37	20.32	20.35				
20	QPSK	50	0	20.16	20.32	20.25				
20	QPSK	50	24	20.25	20.30	20.22	20.6	0		
20	QPSK	50	50	20.29	20.25	20.20				
20	QPSK	100	0	20.21	20.35	20.17				
20	16QAM	1	0	20.25	20.28	20.22				
20	16QAM	1	49	20.15	20.21	20.38	20.6	0		
20	16QAM	1	99	20.00	20.04	20.03				
20	16QAM	50	0	20.18	20.31	20.26				
20	16QAM	50	24	20.27	20.31	20.18				
20	16QAM	50	50	20.31	20.31	20.19	20.6	0		
20	16QAM	100	0	20.21	20.21	20.18				
20	64QAM	1	0	20.15	20.16	20.06				
20	64QAM	1	49	20.32	20.37	20.28				
20	64QAM	1	99	20.23	20.22	20.31	20.6	0		
20	64QAM	50	0	20.12	20.29	20.30				
20	64QAM	50	24	20.24	20.29	20.20				
20	64QAM	50	50	20.28	20.32	20.21	20.6	0		
20	64QAM	100	0	20.21	20.21	20.15				
Channel				20850	21100	21400				
Frequency (MHz)				2505	2535	2565				
15	QPSK	1	0	19.98	20.01	20.02	20.6	0		
15	QPSK	1	37	20.34	20.38	20.31				
15	QPSK	1	74	20.14	20.05	20.07				
15	QPSK	36	0	20.16	20.18	20.25				
15	QPSK	36	20	20.09	20.27	20.14	20.6	0		
15	QPSK	36	39	20.17	20.19	20.14				
15	QPSK	75	0	20.02	20.21	19.92				
15	16QAM	1	0	19.97	20.00	20.03				
15	16QAM	1	37	20.12	20.15	19.97	20.6	0		
15	16QAM	1	74	19.91	20.02	19.77				
15	16QAM	36	0	20.09	20.30	20.02				
15	16QAM	36	20	20.26	20.26	20.15				
15	16QAM	36	39	20.25	20.25	20.18	20.6	0		
15	16QAM	75	0	19.96	19.98	20.16				
15	64QAM	1	0	19.91	20.07	19.96				
15	64QAM	1	37	20.10	20.15	20.00				
15	64QAM	1	74	20.04	20.19	20.17	20.6	0		
15	64QAM	36	0	19.96	20.14	20.13				
15	64QAM	36	20	20.16	20.24	20.07				
15	64QAM	36	39	20.20	20.29	20.04				
15	64QAM	75	0	20.07	20.20	20.00	20.6	0		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	19.99	20.12	20.04	20.6	0		
10	QPSK	1	25	20.16	20.40	20.27				
10	QPSK	1	49	20.11	20.05	20.23				
10	QPSK	25	0	20.08	20.17	19.96				
10	QPSK	25	12	20.22	20.15	20.22	20.6	0		
10	QPSK	25	25	20.26	19.97	19.96				
10	QPSK	50	0	20.08	20.15	20.17				
10	16QAM	1	0	20.20	20.17	20.00				
10	16QAM	1	25	20.01	20.12	19.96	20.6	0		
10	16QAM	1	49	19.93	19.83	19.94				
10	16QAM	25	0	19.97	20.21	20.22				
10	16QAM	25	12	20.17	20.03	20.05				
10	16QAM	25	25	20.04	20.02	20.01	20.6	0		
10	16QAM	50	0	20.16	19.98	20.03				
10	64QAM	1	0	20.13	20.06	19.92				
10	64QAM	1	25	20.11	20.08	20.20				
10	64QAM	1	49	20.07	20.06	20.16	20.6	0		
10	64QAM	25	0	19.90	20.17	20.05				
10	64QAM	25	12	20.07	20.02	20.17				
10	64QAM	25	25	20.18	20.18	20.07				
10	64QAM	50	0	20.18	19.92	20.10	20.6	0		
Channel				20875	21100	21400				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	20.24	20.05	20.08	20.6	0		
5	QPSK	1	12	20.27	20.30	20.30				
5	QPSK	1	24	20.21	20.19	20.06				
5	QPSK	12	0	20.16	20.22	20.04				
5	QPSK	12	7	20.14	20.25	20.11	20.6	0		
5	QPSK	12	13	20.16	20.23	20.33				
5	QPSK	12	19	19.95	20.11	19.94				
5	16QAM	1	0	20.13	20.06	20.18				
5	16QAM	1	12	20.14	20.21	20.03	20.6	0		
5	16QAM	1	24	19.72	19.77	19.94				
5	16QAM	12	0	19.94	20.15	20.08				
5	16QAM	12	7	20.04	20.26	20.16				
5	16QAM	12	13	20.30	20.20	20.14	20.6	0		
5	16QAM	25	0	20.08	20.00	20.01				
5	64QAM	1	0	19.88	20.05	19.86				
5	64QAM	1	12	20.11	20.08	20.19				
5	64QAM	1	24	20.01	19.96	20.01	20.6	0		
5	64QAM	12	0	19.95	20.20	20.38				
5	64QAM	12	7	20.04	20.23	20.14				
5	64QAM	12	13	20.14	20.03	19.98				
5	64QAM	25	0	20.18	20.07	20.13	20.6	0		
Channel				20875	21100	21400				



Band 13 Ant 1_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Error	Power Middle Ch. / Error	Power High Ch. / Error	Tune-up limit (dbm)	MPR (db)	
Channel				23230			24.3	0	
Frequency (MHz)				782					
10	QPSK	1	0		23.40				
10	QPSK	1	25		23.41				
10	QPSK	1	49		23.36		23.3	1	
10	QPSK	25	0		22.35				
10	QPSK	25	12		22.33				
10	QPSK	25	25		22.32				
10	QPSK	50	0		22.39		23.3	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.73				
10	16QAM	1	49		22.75				
10	16QAM	25	0		21.20		22.3	2	
10	16QAM	25	12		21.36				
10	16QAM	25	25		21.46				
10	16QAM	50	0		21.36				
10	64QAM	1	0		21.48		22.3	2	
10	64QAM	1	25		21.55				
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.21				
10	64QAM	25	12		20.36		21.3	3	
10	64QAM	25	25		20.43				
10	64QAM	50	0		20.32				
Channel				23205	23230	23255	24.3	0	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.35	23.37	23.38			
5	QPSK	1	12	23.31	23.37	23.38			
5	QPSK	1	24	23.32	23.36	23.39	23.3	1	
5	QPSK	12	0	22.31	22.32	22.43			
5	QPSK	12	7	22.38	22.37	22.35			
5	QPSK	12	13	22.39	22.33	22.49			
5	QPSK	25	0	22.35	22.35	22.40	23.3	1	
5	16QAM	1	0	22.75	22.71	22.62			
5	16QAM	1	12	22.75	22.72	22.77			
5	16QAM	1	24	22.73	22.76	22.63			
5	16QAM	12	0	21.29	21.32	21.38	22.3	2	
5	16QAM	12	7	21.38	21.35	21.38			
5	16QAM	12	13	21.39	21.32	21.43			
5	16QAM	25	0	21.37	21.35	21.38			
5	64QAM	1	0	21.60	21.58	21.55	22.3	2	
5	64QAM	1	12	21.65	21.57	21.62			
5	64QAM	1	24	21.51	21.53	21.55			
5	64QAM	12	0	20.31	20.33	20.44			
5	64QAM	12	7	20.40	20.38	20.37	21.3	3	
5	64QAM	12	13	20.42	20.34	20.47			
5	64QAM	25	0	20.35	20.36	20.35			

Band 17 Ant 1 DSI18									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Error	Power Middle Ch. / Error	Power High Ch. / Error	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800	24.8	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.70	23.74	23.69			
10	QPSK	1	25	23.80	23.89	23.75			
10	QPSK	1	49	23.79	23.83	23.75	23.8	1	
10	QPSK	25	0	22.77	22.89	22.74			
10	QPSK	25	12	22.74	22.84	22.77			
10	QPSK	25	25	22.78	22.82	22.75			
10	QPSK	50	0	22.79	22.86	22.77	23.8	1	
10	16QAM	1	0	22.97	23.13	22.91			
10	16QAM	1	25	23.03	23.25	23.04			
10	16QAM	1	49	23.03	23.27	23.08			
10	16QAM	25	0	21.77	21.88	21.77	22.8	2	
10	16QAM	25	12	21.75	21.87	21.73			
10	16QAM	25	25	21.76	21.83	21.74			
10	16QAM	50	0	21.76	21.82	21.73			
10	64QAM	1	0	21.75	21.89	21.79	22.8	2	
10	64QAM	1	25	21.88	22.09	21.82			
10	64QAM	1	49	21.89	22.00	21.82			
10	64QAM	25	0	20.72	20.83	20.74			
10	64QAM	25	12	20.72	20.82	20.70	21.8	3	
10	64QAM	25	25	20.70	20.81	20.73			
10	64QAM	50	0	20.75	20.82	20.74			
Channel				23755	23790	23825	24.8	0	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.69	23.76	23.68			
5	QPSK	1	12	23.77	23.77	23.75			
5	QPSK	1	24	23.80	23.75	23.77	23.8	1	
5	QPSK	12	0	22.75	22.76	22.73			
5	QPSK	12	7	22.75	22.72	22.75			
5	QPSK	12	13	22.77	22.69	22.69			
5	QPSK	25	0	22.74	22.73	22.73	23.8	1	
5	16QAM	1	0	23.10	23.10	23.06			
5	16QAM	1	12	23.11	23.12	23.03			
5	16QAM	1	24	23.16	23.09	23.11			
5	16QAM	12	0	21.74	21.74	21.72	22.8	2	
5	16QAM	12	7	21.73	21.73	21.70			
5	16QAM	12	13	21.76	21.68	21.66			
5	16QAM	25	0	21.74	21.75	21.77			
5	64QAM	1	0	21.87	21.93	21.91	22.8	2	
5	64QAM	1	12	21.84	21.95	21.82			
5	64QAM	1	24	21.97	21.88	21.98			
5	64QAM	12	0	20.77	20.77	20.72			
5	64QAM	12	7	20.78	20.70	20.73	21.8	3	
5	64QAM	12	13	20.74	20.68	20.69			
5	64QAM	25	0	20.74	20.72	20.70			

Band 25 Ant 1_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Error	Power Middle Ch. / Error	Power High Ch. / Error	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	19.46	19.45	19.26	20.3	0	
20	QPSK	1	49	19.47	19.51	19.36			
20	QPSK	1	99	19.30	19.37	19.21			
20	QPSK	50	0	19.43	19.50	19.42	20.3	0	
20	QPSK	50	24	19.48	19.39	19.38			
20	QPSK	50	50	19.45	19.47	19.43			
20	QPSK	100	0	19.46	19.47	19.40	20.3	0	
20	16QAM	1	0	19.34	19.44	19.28			
20	16QAM	1	49	19.40	19.45	19.38			
20	16QAM	1	99	19.45	19.48	19.40	20.3	0	
20	16QAM	50	0	19.34	19.33	19.32			
20	16QAM	50	24	19.35	19.37	19.23			
20	16QAM	50	50	19.30	19.34	19.24	20.3	0	
20	16QAM	100	0	19.31	19.34	19.30			
20	64QAM	1	0	19.46	19.42	19.25			
20	64QAM	1	49	19.45	19.44	19.44	20.3	0	
20	64QAM	1	99	19.33	19.30	19.29			
20	64QAM	50	0	19.36	19.34	19.30			
20	64QAM	50	24	19.33	19.38	19.23	20.3	0	
20	64QAM	50	50	19.27	19.37	19.23			
20	64QAM	100	0	19.33	19.33	19.30			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	19.38	19.42	19.16	20.3	0	
15	QPSK	1	37	19.44	19.46	19.32			
15	QPSK	1	74	19.25	19.33	19.11			
15	QPSK	36	0	19.34	19.45	19.32	20.3	0	
15	QPSK	36	20	19.44	19.34	19.32			
15	QPSK	36	39	19.42	19.42	19.33			
15	QPSK	75	0	19.43	19.39	19.33	20.3	0	
15	16QAM	1	0	19.24	19.39	19.20			
15	16QAM	1	37	19.30	19.36	19.35	20.3	0	
15	16QAM	1	74	19.35	19.42	19.36			
15	16QAM	36	0	19.36	19.36	19.35	20.3	0	
15	16QAM	36	20	19.25	19.34	19.14			
15	16QAM	36	39	19.27	19.25	19.15	20.3	0	
15	16QAM	75	0	19.26	19.27	19.25			
15	64QAM	1	0	19.45	19.39	19.22	20.3	0	
15	64QAM	1	37	19.37	19.38	19.41			
15	64QAM	1	74	19.24	19.32	19.25	20.3	0	
15	64QAM	36	0	19.32	19.31	19.24			
15	64QAM	36	20	19.25	19.31	19.14	20.3	0	
15	64QAM	36	39	19.21	19.29	19.19			
15	64QAM	75	0	19.28	19.23	19.21			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1910			
10	QPSK	1	0	19.40	19.42	19.20	20.3	0	
10	QPSK	1	25	19.44	19.46	19.34			
10	QPSK	1	49	19.27	19.30	19.14			
10	QPSK	25	0	19.39	19.47	19.35	20.3	0	
10	QPSK	25	12	19.38	19.32	19.31			
10	QPSK	25	25	19.38	19.44	19.37			
10	QPSK	50	0	19.36	19.42	19.30	20.3	0	
10	16QAM	1	0	19.27	19.41	19.22			
10	16QAM	1	25	19.36	19.34	19.35			
10	16QAM	1	49	19.40	19.44	19.30	20.3	0	
10	16QAM	25	0	19.25	19.26	19.22			
10	16QAM	25	12	19.30	19.30	19.20			
10	16QAM	25	25	19.25	19.22	19.21	20.3	0	
10	16QAM	50	0	19.23	19.30	19.20			
10	64QAM	1	0	19.41	19.35	19.16			
10	64QAM	1	25	19.42	19.35	19.34	20.3	0	
10	64QAM	1	49	19.28	19.27	19.26			
10	64QAM	25	0	19.32	19.28	19.27			
10	64QAM	25	12	19.35	19.25	19.25	20.3	0	
10	64QAM	25	25	19.17	19.28	19.18			
10	64QAM	50	0	19.25	19.30	19.27			
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	19.42	19.40	19.18	20.3	0	
5	QPSK	1	12	19.45	19.48	19.33			
5	QPSK	1	24	19.23	19.31	19.11			
5	QPSK	12	0	19.40	19.40	19.36	20.3	0	
5	QPSK	12	7	19.39	19.29	19.30			
5	QPSK	12	13	19.42	19.37	19.37			
5	QPSK	25	0	19.42	19.37	19.37	20.3	0	
5	16QAM	1	0	19.26	19.41	19.23			
5	16QAM	1	12	19.33	19.44	19.30			
5	16QAM	1	24	19.36	19.40	19.35	20.3	0	
5	16QAM	12	0	19.29	19.24	19.25			
5	16QAM	12	7	19.30	19.28	19.14			
5	16QAM	12	13	19.25	19.24	19.17	20.3	0	
5	16QAM	25	0	19.27	19.29	19.26			
5	64QAM	1	0	19.41	19.33	19.12			
5	64QAM	1	12	19.38	19.39	19.40	20.3	0	
5	64QAM	1	24	19.25	19.26	19.20			
5	64QAM	12	0	19.32	19.25	19.24			
5	64QAM	12	7	19.28	19.35	19.14	20.3	0	
5	64QAM	12	13	19.20	19.30	19.15			
5	64QAM	25	0	19.27	19.27	19.27			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	19.37	19.36	19.16	20.3	0	
3	QPSK	1	8	19.45	19.48	19.34			
3	QPSK	1	14	19.27	19.29	19.13			
3	QPSK	8	0	19.34	19.47	19.38	20.3	0	
3	QPSK	8	4	19.42	19.33	19.37			
3	QPSK	8	7	19.40	19.40	19.37			
3	QPSK	15	0	19.41	19.38	19.31	20.3	0	
3	16QAM	1	0	19.24	19.37	19.25			
3	16QAM	1	8	19.37	19.34	19.26			
3	16QAM	1	14	19.41	19.45	19.34	20.3	0	
3	16QAM	8	0	19.23	19.25	19.15			
3	16QAM	8	4	19.27	19.32	19.14			
3	16QAM	8	7	19.26	19.26	19.15	20.3	0	
3	16QAM	15	0	19.25	19.27	19.27			
3	64QAM	1	0	19.41	19.32	19.17			
3	64QAM	1	8	19.42	19.34	19.39	20.3	0	
3	64QAM	1	14	19.23	19.29	19.12			
3	64QAM	8	0	19.20	19.26	19.18			
3	64QAM	8	4	19.26	19.34	19.10	20.3	0	
3	64QAM	8	7	19.20	19.28	19.20			
3	64QAM	15	0	19.26	19.30	19.21			
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.5	1880	1914.3			
1.4	QPSK	1	0	19.40	19.40	19.23	20.3	0	
1.4	QPSK	1	3	19.43	19.50	19.33			
1.4	QPSK	1	5	19.24	19.27	19.18			
1.4	QPSK	3	0	19.36	19.40	19.35	20.3	0	
1.4	QPSK	3	1	19.44	19.31	19.30			
1.4	QPSK	3	3	19.38	19.37	19.40			
1.4	QPSK	6	0	19.43	19.39	19.36	20.3	0	
1.4	16QAM	1	0	19.24	19.35	19.18			
1.4	16QAM	1	3	19.31	19.36	19.30			
1.4	16QAM	1	5	19.36	19.38	19.36	20.3	0	
1.4	16QAM	3	0	19.28	19.26	19.26			
1.4	16QAM	3	1	19.27	19.33	19.20			
1.4	16QAM	3	3	19.23	19.27	19.20	20.3	0	
1.4	16QAM	6	0	19.26	19.24	19.25			
1.4	64QAM	1	0	19.38	19.36	19.19			
1.4	64QAM	1	3	19.36	19.35	19.39	20.3	0	
1.4	64QAM	1	5	19.28	19.27	19.21			
1.4	64QAM	3	0	19.26	19.24	19.23			
1.4	64QAM	3	1	19.33	19.33	19.14	20.3	0	
1.4	64QAM	3	3	19.24	19.31	19.16			
1.4	64QAM	6	0	19.30	19.28	19.26			



Band 25 Ant 4_DS118										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Emission	Power Middle Ch. / Emission	Power High Ch. / Emission	Tune-up limit (dbm)	MPR (db)		
Channel				26140	26340	26590				
Frequency (MHz)				1860	1880	1905				
20	QPSK	1	0	22.31	22.30	22.14	23.3	0		
20	QPSK	1	49	22.35	22.37	22.25				
20	QPSK	1	99	22.15	22.23	22.11				
20	QPSK	50	0	21.35	21.36	21.27				
20	QPSK	50	24	21.32	21.31	21.25	22.3	1		
20	QPSK	50	50	21.32	21.33	21.21				
20	QPSK	100	0	21.34	21.35	21.23				
20	16QAM	1	0	21.56	21.62	21.43				
20	16QAM	1	49	21.54	21.65	21.48	22.3	1		
20	16QAM	1	99	21.48	21.48	21.30				
20	16QAM	50	0	20.40	20.38	20.24				
20	16QAM	50	24	20.41	20.38	20.22				
20	16QAM	50	50	20.35	20.27	20.19	21.3	2		
20	16QAM	100	0	20.30	20.33	20.20				
20	64QAM	1	0	20.41	20.50	20.30				
20	64QAM	1	49	20.44	20.48	20.45				
20	64QAM	1	99	20.31	20.34	20.15	21.3	2		
20	64QAM	50	0	19.37	19.34	19.22				
20	64QAM	50	24	19.36	19.33	19.17				
20	64QAM	50	50	19.28	19.30	19.14				
20	64QAM	100	0	19.30	19.32	19.21	20.3	3		
Channel				26115	26340	26515				
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dbm)	MPR (db)		
15	QPSK	1	0	22.36	22.28	22.18	23.3	0		
15	QPSK	1	37	22.33	22.36	22.21				
15	QPSK	1	74	22.24	22.25	22.16				
15	QPSK	36	0	21.37	21.28	21.14				
15	QPSK	36	20	21.31	21.32	21.17	22.3	1		
15	QPSK	36	39	21.28	21.27	21.16				
15	QPSK	75	0	21.32	21.33	21.19				
15	16QAM	1	0	21.61	21.56	21.41				
15	16QAM	1	37	21.69	21.61	21.41	22.3	1		
15	16QAM	1	74	21.52	21.51	21.34				
15	16QAM	36	0	20.36	20.30	20.17				
15	16QAM	36	20	20.32	20.31	20.22				
15	16QAM	36	39	20.31	20.28	20.13	21.3	2		
15	16QAM	75	0	20.33	20.33	20.20				
15	64QAM	1	0	20.45	20.47	20.33				
15	64QAM	1	37	20.52	20.46	20.34				
15	64QAM	1	74	20.42	20.34	20.28	21.3	2		
15	64QAM	36	0	19.41	19.33	19.17				
15	64QAM	36	20	19.38	19.30	19.17				
15	64QAM	36	39	19.30	19.38	19.16				
15	64QAM	75	0	19.30	19.29	19.15	20.3	3		
Channel				26090	26340	26640	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	22.31	22.34	22.17	23.3	0		
10	QPSK	1	25	22.36	22.33	22.22				
10	QPSK	1	49	22.29	22.36	22.18				
10	QPSK	25	0	21.33	21.36	21.19				
10	QPSK	25	12	21.32	21.42	21.23	22.3	1		
10	QPSK	25	25	21.40	21.37	21.25				
10	QPSK	50	0	22.36	22.29	22.21				
10	16QAM	1	0	21.63	21.64	21.47				
10	16QAM	1	25	21.62	21.69	21.41	22.3	1		
10	16QAM	1	49	21.65	21.68	21.45				
10	16QAM	25	0	20.36	20.38	20.22				
10	16QAM	25	12	20.36	20.40	20.21				
10	16QAM	25	25	20.39	20.39	20.20	21.3	2		
10	16QAM	50	0	21.36	21.36	21.21				
10	64QAM	1	0	20.55	20.61	20.37				
10	64QAM	1	25	20.50	20.50	20.34				
10	64QAM	1	49	20.54	20.54	20.39	21.3	2		
10	64QAM	25	0	19.35	19.39	19.19				
10	64QAM	25	12	19.40	19.41	19.21				
10	64QAM	25	25	19.38	19.41	19.21				
10	64QAM	50	0	20.41	20.43	20.19	20.3	3		
Channel				26065	26340	26665	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	22.34	22.31	22.35	23.3	0		
5	QPSK	1	12	22.33	22.31	22.33				
5	QPSK	1	24	22.32	22.35	22.34				
5	QPSK	12	0	21.42	21.41	21.41				
5	QPSK	12	7	21.36	21.38	21.36	22.3	1		
5	QPSK	12	13	21.33	21.35	21.27				
5	QPSK	25	0	21.36	21.41	21.37				
5	16QAM	1	0	21.60	21.67	21.56				
5	16QAM	1	12	21.63	21.63	21.55	22.3	1		
5	16QAM	1	24	21.60	21.66	21.52				
5	16QAM	12	0	20.41	20.42	20.39				
5	16QAM	12	7	20.35	20.36	20.34				
5	16QAM	12	13	20.30	20.29	20.23	21.3	2		
5	16QAM	25	0	20.35	20.39	20.38				
5	64QAM	1	0	20.53	20.55	20.44				
5	64QAM	1	12	20.59	20.55	20.49				
5	64QAM	1	24	20.47	20.51	20.45	21.3	2		
5	64QAM	12	0	19.42	19.39	19.38				
5	64QAM	12	7	19.38	19.36	19.40				
5	64QAM	12	13	19.33	19.35	19.28				
5	64QAM	25	0	19.36	19.40	19.36	20.3	3		
Channel				26055	26340	26675	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	22.35	22.36	22.31	23.3	0		
3	QPSK	1	8	22.33	22.33	22.30				
3	QPSK	1	14	22.31	22.30	22.33				
3	QPSK	8	0	21.34	21.38	21.33				
3	QPSK	8	4	21.31	21.38	21.32	22.3	1		
3	QPSK	8	7	21.32	21.37	21.28				
3	QPSK	15	0	21.35	21.38	21.33				
3	16QAM	1	0	21.59	21.65	21.53				
3	16QAM	1	8	21.56	21.64	21.48	22.3	1		
3	16QAM	1	14	21.52	21.66	21.46				
3	16QAM	8	0	20.43	20.43	20.41				
3	16QAM	8	4	20.40	20.43	20.41				
3	16QAM	8	7	20.41	20.42	20.40	21.3	2		
3	16QAM	15	0	20.36	20.42	20.34				
3	64QAM	1	0	20.57	20.57	20.42				
3	64QAM	1	8	20.55	20.55	20.47				
3	64QAM	1	14	20.53	20.53	20.44	21.3	2		
3	64QAM	8	0	19.41	19.40	19.38				
3	64QAM	8	4	19.40	19.40	19.35				
3	64QAM	8	7	19.35	19.41	19.32				
3	64QAM	15	0	19.33	19.32	19.31	20.3	3		
Channel				26047	26340	26683	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	22.32	22.36	22.34	23.3	0		
1.4	QPSK	1	3	22.32	22.36	22.36				
1.4	QPSK	1	5	22.33	22.36	22.35				
1.4	QPSK	3	0	22.35	22.32	22.32				
1.4	QPSK	3	1	22.35	22.36	22.31	23.3	0		
1.4	QPSK	3	3	22.34	22.35	22.33				
1.4	QPSK	6	0	21.37	21.36	21.33				
1.4	16QAM	1	0	21.61	21.62	21.45				
1.4	16QAM	1	3	21.61	21.62	21.46	23.3	0		
1.4	16QAM	1	5	21.56	21.63	21.47				
1.4	16QAM	3	0	21.40	21.31	21.33				
1.4	16QAM	3	1	21.38	21.39	21.33	23.3	0		
1.4	16QAM	3	3	21.31	21.32	21.33				
1.4	16QAM	6	0	20.46	20.47	20.39				
1.4	64QAM	1	0	20.55	20.51	20.43				
1.4	64QAM	1	3	20.45	20.51	20.52	23.3	0		
1.4	64QAM	1	5	20.48	20.59	20.41				
1.4	64QAM	3	0	20.49	20.44	20.44				
1.4	64QAM	3	1	20.42	20.48	20.41				
1.4	64QAM	3	3	20.46	20.44	20.44	23.3	0		
1.4	64QAM	6	0	19.29	19.39	19.28				



Band 66 Ant 1_DS118									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Edge	Power Middle Ch. / Edge	Power High Ch. / Edge	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	19.63	19.77	19.51	20.8	0	
20	QPSK	1	49	19.72	19.82	19.73			
20	QPSK	1	99	19.59	19.58	19.68			
20	QPSK	50	0	19.67	19.80	19.65			
20	QPSK	50	24	19.66	19.74	19.81	20.8	0	
20	QPSK	50	50	19.48	19.66	19.56			
20	QPSK	100	0	19.60	19.74	19.56			
20	16QAM	1	0	19.85	19.77	19.75			
20	16QAM	1	49	19.87	19.79	19.87	20.8	0	
20	16QAM	1	99	19.71	19.84	19.70			
20	16QAM	50	0	19.56	19.65	19.49			
20	16QAM	50	24	19.59	19.73	19.53			
20	16QAM	50	50	19.44	19.60	19.47	20.8	0	
20	16QAM	100	0	19.54	19.61	19.44			
20	64QAM	1	0	19.67	19.82	19.56			
20	64QAM	1	49	19.71	19.83	19.74			
20	64QAM	1	99	19.52	19.63	19.46	20.8	0	
20	64QAM	50	0	19.55	19.67	19.46			
20	64QAM	50	24	19.59	19.72	19.53			
20	64QAM	50	50	19.45	19.56	19.48			
20	64QAM	100	0	19.52	19.59	19.47	20.8	0	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	19.53	19.68	19.42	20.8	0	
15	QPSK	1	37	19.69	19.91	19.69			
15	QPSK	1	74	19.54	19.52	19.65			
15	QPSK	36	0	19.61	19.67	19.52			
15	QPSK	36	20	19.56	19.71	19.53	20.8	0	
15	QPSK	36	39	19.38	19.63	19.51			
15	QPSK	75	0	19.53	19.69	19.53			
15	16QAM	1	0	19.76	19.74	19.72			
15	16QAM	1	37	19.81	19.73	19.83	20.8	0	
15	16QAM	1	74	19.62	19.75	19.67			
15	16QAM	36	0	19.49	19.61	19.44			
15	16QAM	36	20	19.53	19.69	19.44			
15	16QAM	36	39	19.38	19.55	19.41	20.8	0	
15	16QAM	75	0	19.44	19.55	19.40			
15	64QAM	1	0	19.64	19.76	19.51			
15	64QAM	1	37	19.68	19.77	19.65			
15	64QAM	1	74	19.47	19.58	19.40	20.8	0	
15	64QAM	36	0	19.50	19.61	19.38			
15	64QAM	36	20	19.49	19.62	19.47			
15	64QAM	36	39	19.42	19.50	19.43			
15	64QAM	75	0	19.48	19.49	19.39	20.8	0	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	19.60	19.68	19.47	20.8	0	
10	QPSK	1	25	19.68	19.89	19.72			
10	QPSK	1	49	19.55	19.51	19.61			
10	QPSK	25	0	19.62	19.67	19.45			
10	QPSK	25	12	19.58	19.72	19.54	20.8	0	
10	QPSK	25	25	19.40	19.59	19.47			
10	QPSK	50	0	19.50	19.66	19.52			
10	16QAM	1	0	19.81	19.66	19.66			
10	16QAM	1	25	19.81	19.73	19.79	20.8	0	
10	16QAM	1	49	19.64	19.78	19.65			
10	16QAM	25	0	19.48	19.57	19.42			
10	16QAM	25	12	19.54	19.69	19.48			
10	16QAM	25	25	19.41	19.56	19.44	20.8	0	
10	16QAM	50	0	19.46	19.52	19.40			
10	64QAM	1	0	19.60	19.73	19.52			
10	64QAM	1	25	19.66	19.75	19.66			
10	64QAM	1	49	19.49	19.56	19.38	20.8	0	
10	64QAM	25	0	19.48	19.59	19.43			
10	64QAM	25	12	19.52	19.64	19.46			
10	64QAM	25	25	19.36	19.46	19.38			
10	64QAM	50	0	19.47	19.52	19.41	20.8	0	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	19.60	19.72	19.44	20.8	0	
5	QPSK	1	12	19.69	19.90	19.70			
5	QPSK	1	24	19.50	19.50	19.62			
5	QPSK	12	0	19.61	19.67	19.47			
5	QPSK	12	7	19.57	19.74	19.51	20.8	0	
5	QPSK	12	13	19.43	19.57	19.47			
5	QPSK	25	0	19.52	19.70	19.46			
5	16QAM	1	0	19.77	19.70	19.68			
5	16QAM	1	12	19.80	19.73	19.84	20.8	0	
5	16QAM	1	24	19.63	19.79	19.60			
5	16QAM	12	0	19.46	19.56	19.44			
5	16QAM	12	7	19.54	19.68	19.45			
5	16QAM	12	13	19.37	19.52	19.38	20.8	0	
5	16QAM	25	0	19.50	19.54	19.38			
5	64QAM	1	0	19.59	19.76	19.49			
5	64QAM	1	12	19.62	19.77	19.66			
5	64QAM	1	24	19.45	19.60	19.42	20.8	0	
5	64QAM	12	0	19.49	19.62	19.36			
5	64QAM	12	7	19.56	19.62	19.50			
5	64QAM	12	13	19.39	19.47	19.38			
5	64QAM	25	0	19.44	19.55	19.43	20.8	0	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	19.57	19.71	19.48	20.8	0	
3	QPSK	1	8	19.68	19.90	19.71			
3	QPSK	1	14	19.53	19.51	19.64			
3	QPSK	8	0	19.56	19.70	19.51			
3	QPSK	8	4	19.62	19.73	19.55	20.8	0	
3	QPSK	8	7	19.45	19.62	19.46			
3	QPSK	15	0	19.57	19.70	19.47			
3	16QAM	1	0	19.79	19.74	19.65			
3	16QAM	1	8	19.82	19.72	19.77	20.8	0	
3	16QAM	1	14	19.64	19.78	19.66			
3	16QAM	8	0	19.50	19.59	19.46			
3	16QAM	8	4	19.52	19.68	19.45			
3	16QAM	8	7	19.41	19.51	19.44	20.8	0	
3	16QAM	15	0	19.48	19.52	19.35			
3	64QAM	1	0	19.64	19.75	19.50			
3	64QAM	1	8	19.67	19.77	19.68			
3	64QAM	1	14	19.48	19.59	19.41	20.8	0	
3	64QAM	8	0	19.47	19.63	19.40			
3	64QAM	8	4	19.56	19.69	19.49			
3	64QAM	8	7	19.38	19.47	19.41			
3	64QAM	15	0	19.42	19.54	19.37	20.8	0	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	19.58	19.67	19.47	20.8	0	
1.4	QPSK	1	3	19.68	19.91	19.68			
1.4	QPSK	1	5	19.53	19.53	19.58			
1.4	QPSK	3	0	19.50	19.71	19.49			
1.4	QPSK	3	1	19.62	19.76	19.52	20.8	0	
1.4	QPSK	3	3	19.45	19.61	19.53			
1.4	QPSK	6	0	19.53	19.65	19.48			
1.4	16QAM	1	0	19.77	19.73	19.66			
1.4	16QAM	1	3	19.84	19.75	19.78	20.8	0	
1.4	16QAM	1	5	19.66	19.75	19.66			
1.4	16QAM	3	0	19.53	19.62	19.44			
1.4	16QAM	3	1	19.53	19.68	19.48			
1.4	16QAM	3	3	19.40	19.53	19.40	20.8	0	
1.4	64QAM	1	0	19.60	19.75	19.49			
1.4	64QAM	1	3	19.64	19.79	19.67			
1.4	64QAM	1	5	19.45	19.60	19.40			
1.4	64QAM	3	0	19.45	19.61	19.42	20.8	0	
1.4	64QAM	3	1	19.50	19.59	19.50			
1.4	64QAM	3	3	19.40	19.48	19.44			
1.4	64QAM	6	0	19.42	19.52	19.41			

Band 38 ANT 1_DS18

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.36	23.41	23.32	23.8	0		
20	QPSK	1	49	23.48	23.50	23.44				
20	QPSK	1	99	23.37	23.41	23.31				
20	QPSK	50	0	22.48	22.50	22.41	22.8	1		
20	QPSK	50	24	22.42	22.45	22.35				
20	QPSK	50	50	22.46	22.48	22.40				
20	QPSK	100	0	22.41	22.43	22.37	22.8	1		
20	16QAM	1	0	22.43	22.50	22.40				
20	16QAM	1	49	22.63	22.62	22.62				
20	16QAM	1	99	22.63	22.64	22.61	21.8	2		
20	16QAM	50	0	21.48	21.47	21.52				
20	16QAM	50	24	21.56	21.57	21.49				
20	16QAM	50	50	21.55	21.54	21.44	21.8	2		
20	16QAM	100	0	21.52	21.46	21.52				
20	16QAM	1	0	21.09	21.07	21.07				
20	64QAM	1	49	21.26	21.27	21.26	20.8	3		
20	64QAM	1	99	21.26	21.15	21.13				
20	64QAM	50	0	20.36	20.49	20.38				
20	64QAM	50	24	20.51	20.52	20.45	20.8	3		
20	64QAM	50	50	20.57	20.48	20.43				
20	64QAM	100	0	20.48	20.50	20.45				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.38	23.44	23.44	23.8	0		
15	QPSK	1	37	23.47	23.46	23.48				
15	QPSK	1	74	23.41	23.44	23.38				
15	QPSK	36	0	22.44	22.50	22.50	22.8	1		
15	QPSK	36	20	22.50	22.42	22.47				
15	QPSK	36	39	22.39	22.45	22.47				
15	QPSK	75	0	22.48	22.49	22.42	22.8	1		
15	16QAM	1	0	22.47	22.43	22.42				
15	16QAM	1	37	22.47	22.44	22.42				
15	16QAM	1	74	22.52	22.59	22.46	21.8	2		
15	16QAM	36	0	21.58	21.53	21.58				
15	16QAM	36	20	21.57	21.67	21.52				
15	16QAM	36	39	21.39	21.42	21.42	21.8	2		
15	16QAM	75	0	21.40	21.43	21.43				
15	64QAM	1	0	21.43	21.47	21.37				
15	64QAM	1	37	21.51	21.45	21.44	20.8	3		
15	64QAM	1	74	21.13	21.21	21.12				
15	64QAM	36	0	20.21	20.22	20.22				
15	64QAM	36	20	20.27	20.22	20.19	20.8	3		
15	64QAM	36	39	20.41	20.40	20.41				
15	64QAM	75	0	20.47	20.48	20.44				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.46	23.46	23.43	23.8	0		
10	QPSK	1	25	23.43	23.46	23.43				
10	QPSK	1	49	23.41	23.44	23.47				
10	QPSK	25	0	22.43	22.48	22.43	22.8	1		
10	QPSK	25	12	22.48	22.44	22.43				
10	QPSK	25	25	22.48	22.45	22.49				
10	QPSK	50	0	22.50	22.46	22.44	22.8	1		
10	16QAM	1	0	22.49	22.58	22.50				
10	16QAM	1	25	22.51	22.59	22.62				
10	16QAM	1	49	22.55	22.59	22.54	21.8	2		
10	16QAM	25	0	21.51	21.48	21.48				
10	16QAM	25	12	21.52	21.50	21.49				
10	16QAM	25	25	21.57	21.48	21.48	21.8	2		
10	16QAM	50	0	21.48	21.54	21.45				
10	64QAM	1	0	21.19	21.20	21.18				
10	64QAM	1	25	21.20	21.24	21.24	20.8	3		
10	64QAM	1	49	21.23	21.22	21.21				
10	64QAM	25	0	20.50	20.52	20.51				
10	64QAM	25	12	20.48	20.47	20.50	20.8	3		
10	64QAM	25	25	20.55	20.54	20.49				
10	64QAM	50	0	20.43	20.53	20.46				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.47	23.46	23.43	23.8	0		
5	QPSK	1	12	23.46	23.49	23.42				
5	QPSK	1	24	23.44	23.47	23.47				
5	QPSK	12	0	22.51	22.50	22.47	22.8	1		
5	QPSK	12	7	22.43	22.45	22.50				
5	QPSK	12	13	22.43	22.48	22.47				
5	QPSK	25	0	22.43	22.56	22.47	22.8	1		
5	16QAM	1	0	22.50	22.59	22.61				
5	16QAM	1	12	22.53	22.58	22.57				
5	16QAM	1	24	22.51	22.63	22.55	21.8	2		
5	16QAM	12	0	21.46	21.48	21.44				
5	16QAM	12	7	21.41	21.39	21.40				
5	16QAM	12	13	21.38	21.40	21.43	21.8	2		
5	16QAM	25	0	21.43	21.51	21.53				
5	64QAM	1	0	21.29	21.26	21.27				
5	64QAM	1	12	21.27	21.27	21.27	20.8	3		
5	64QAM	1	24	21.24	21.19	21.22				
5	64QAM	12	0	20.45	20.50	20.42				
5	64QAM	12	7	20.41	20.42	20.42	20.8	3		
5	64QAM	12	13	20.48	20.41	20.37				
5	64QAM	25	0	20.51	20.54	20.52				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.29	22.39	22.41	23.8	0		
20	QPSK	1	49	22.44	22.49	22.58				
20	QPSK	1	99	22.46	22.50	22.52				
20	QPSK	50	0	21.64	21.66	21.72	22.8	1		
20	QPSK	50	24	21.60	21.63	21.70				
20	QPSK	50	50	21.48	21.50	21.60				
20	QPSK	100	0	21.49	21.52	21.64	22.8	1		
20	16QAM	1	0	21.48	21.51	21.64				
20	16QAM	1	49	21.64	21.70	21.81				
20	16QAM	1	99	21.59	21.67	21.69	21.8	2		
20	16QAM	50	0	20.65	20.50	20.57				
20	16QAM	50	24	20.57	20.57	20.70				
20	16QAM	50	50	20.61	20.55	20.68	21.8	2		
20	16QAM	100	0	20.56	20.57	20.64				
20	64QAM	1	0	20.16	20.21	20.27				
20	64QAM	1	49	20.32	20.32	20.51	21.8	2		
20	64QAM	1	99	20.27	20.27	20.31				
20	64QAM	50	0	19.47	19.45	19.56				
20	64QAM	50	24	19.55	19.55	19.66	20.8	3		
20	64QAM	50	50	19.55	19.60	19.63				
20	64QAM	100	0	19.46	19.48	19.68				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.31	22.45	22.33	23.8	0		
15	QPSK	1	37	22.50	22.54	22.56				
15	QPSK	1	74	22.41	22.53	22.41				
15	QPSK	36	0	21.45	21.57	21.52	22.8	1		
15	QPSK	36	20	21.65	21.67	21.63				
15	QPSK	36	39	21.50	21.67	21.65				
15	QPSK	75	0	21.55	21.70	21.69	22.8	1		
15	16QAM	1	0	21.59	21.64	21.62				
15	16QAM	1	37	21.64	21.62	21.63				
15	16QAM	1	74	21.68	21.66	21.62	21.8	2		
15	16QAM	36	0	20.48	20.56	20.47				
15	16QAM	36	20	20.46	20.59	20.58				
15	16QAM	36	39	20.56	20.58	20.48	21.8	2		
15	16QAM	75	0	20.61	20.61	20.66				
15	64QAM	1	0	20.23	20.32	20.29				
15	64QAM	1	37	20.37	20.46	20.33	21.8	2		
15	64QAM	1	74	20.29	20.37	20.32				
15	64QAM	36	0	19.43	19.59	19.58				
15	64QAM	36	20	19.47	19.69	19.52	20.8	3		
15	64QAM	36	39	19.57	19.61	19.53				
15	64QAM	75	0	19.53	19.55	19.50				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.21	22.42	22.33	23.8	0		
10	QPSK	1	25							

Band 41 ANT 4 DSI18																			
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPE (dB)										
Channel																			
Frequency (MHz)																			
				39750	40185	40620	41055	41490											
				2548.5	2548.5	2593	2637.5	2682.5											
20	QPSK	1	0	19.67	19.77	19.78	19.48	19.23	20.3	0									
20	QPSK	1	49	19.75	19.78	19.70	19.60	19.39											
20	QPSK	1	99	19.66	19.68	19.71	19.68	19.29											
20	QPSK	50	0	19.91	19.93	19.90	19.80	19.65											
20	QPSK	50	24	19.90	19.87	19.96	19.73	19.57	19.3	1									
20	QPSK	50	50	19.90	19.86	19.94	19.70	19.56											
20	QPSK	100	0	19.80	19.84	19.92	19.72	19.56											
20	16QAM	1	0	19.82	19.95	19.80	19.70	19.43											
20	16QAM	1	49	19.98	19.07	19.94	19.82	19.56	19.3	1									
20	16QAM	1	99	19.86	19.88	19.88	19.75	19.54											
20	16QAM	50	0	17.76	17.95	17.70	17.70	17.43											
20	16QAM	50	24	17.87	18.02	17.90	17.73	17.57											
20	16QAM	50	50	17.90	18.00	17.86	17.69	17.53	18.3	2									
20	16QAM	100	0	17.84	17.93	17.85	17.70	17.42											
20	16QAM	1	0	17.47	17.65	17.45	17.34	17.14											
20	64QAM	1	49	17.64	17.77	17.63	17.46	17.31											
20	64QAM	1	99	17.53	17.56	17.47	17.36	17.15	17.3	3									
20	64QAM	50	0	16.76	16.89	16.78	16.73	16.44											
20	64QAM	50	24	16.85	16.96	16.81	16.70	16.48											
20	64QAM	50	50	16.89	16.95	16.82	16.71	16.47											
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Frequency (MHz) <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>																			
				39750	40185	40620	41055	41490											
				2548.5	2548.3	2593	2637.5	2682.5											
15	QPSK	1	0	19.48	19.64	19.47	19.39	19.12	20.30	0									
15	QPSK	1	37	19.61	19.60	19.55	19.44	19.26											
15	QPSK	1	74	19.54	19.57	19.53	19.39	19.13											
15	QPSK	36	0	16.59	16.74	16.68	16.51	16.27											
15	QPSK	36	20	16.54	16.60	16.70	16.56	16.40	19.3	1									
15	QPSK	36	39	16.74	16.80	16.67	16.53	16.28											
15	QPSK	75	0	16.76	16.86	16.74	16.63	16.32											
15	16QAM	1	0	18.63	18.79	18.65	18.51	18.29											
15	16QAM	1	37	18.84	18.84	18.95	18.70	18.44	19.3	1									
15	16QAM	1	74	18.79	18.87	18.72	18.56	18.39											
15	16QAM	36	0	17.52	17.72	17.64	17.50	17.23											
15	16QAM	36	20	17.55	17.76	17.65	17.52	17.30											
15	16QAM	36	39	17.62	17.73	17.68	17.53	17.24	18.3	2									
15	16QAM	75	0	17.66	17.76	17.65	17.62	17.37											
15	64QAM	1	0	17.33	17.49	17.41	17.21	17.00											
15	64QAM	1	37	17.46	17.58	17.46	17.34	17.12											
15	64QAM	1	74	17.41	17.49	17.41	17.24	17.02	17.3	3									
15	64QAM	36	0	16.56	16.80	16.66	16.51	16.23											
15	64QAM	36	20	16.54	16.76	16.65	16.52	16.32											
15	64QAM	36	39	16.62	16.77	16.66	16.48	16.26											
15	64QAM	75	0	16.62	16.74	16.62	16.57	16.35											
Channel																			
Frequency (MHz)																			
				39750	40185	40620	41080	41540											
				2648.5	2648.5	2693	2737.5	2782.5											
10	QPSK	1	0	19.58	19.73	19.57	19.44	19.31	20.30	0									
10	QPSK	1	25	19.59	19.69	19.65	19.41	19.23											
10	QPSK	1	49	19.54	19.73	19.60	19.48	19.18											
10	QPSK	25	0	19.66	19.87	19.75	19.64	19.45											
10	QPSK	25	12	19.74	19.89	19.73	19.61	19.40	19.3	1									
10	QPSK	25	25	19.78	19.84	19.72	19.62	19.39											
10	QPSK	50	0	19.76	19.83	19.72	19.66	19.46											
10	16QAM	1	0	19.71	19.91	19.74	19.63	19.44											
10	16QAM	1	25	19.82	19.97	19.85	19.61	19.46	19.3	1									
10	16QAM	1	49	19.80	19.92	19.83	19.61	19.45											
10	16QAM	25	0	17.69	17.80	17.70	17.62	17.40											
10	16QAM	25	12	17.70	17.87	17.74	17.56	17.35											
10	16QAM	25	25	17.74	17.89	17.77	17.56	17.39	18.3	2									
10	16QAM	50	0	17.71	17.85	17.70	17.60	17.39											
10	16QAM	1	0	17.40	17.65	17.45	17.30	17.12											
10	64QAM	1	25	17.49	17.60	17.53	17.33	17.08											
10	64QAM	1	49	17.46	17.54	17.45	17.27	17.09	18.3	2									
10	64QAM	25	0	16.70	16.88	16.71	16.59	16.40											
10	64QAM	25	12	16.74	16.87	16.68	16.64	16.39											
10	64QAM	25	25	16.82	16.86	16.81	16.64	16.37											
10	64QAM	50	0	16.72	16.78	16.65	16.62	16.39	17.3	3									
Channel <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>																			
Frequency (MHz) <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>																			
				39750	40185	40620	41080	41540											
				2648.5	2548.5	2593	2640.30	2687.5											
5	QPSK	1	0	19.53	19.61	19.54	19.40	19.19	20.30	0									
5	QPSK	1	12	19.50	19.54	19.44	19.26	19.12											
5	QPSK	1	24	19.59	19.55	19.53	19.44	19.23											
5	QPSK	12	0	16.64	16.70	16.64	16.53	16.27											
5	QPSK	12	7	16.57	16.77	16.62	16.52	16.26	19.3	1									
5	QPSK	12	13	16.60	16.74	16.64	16.45	16.29											
5	QPSK	25	0	16.65	16.73	16.70	16.51	16.31											
5	16QAM	1	0	18.71	18.74	18.74	18.55	18.39											
5	16QAM	1	12	18.74	18.80	18.91	18.58	18.36	19.3	1									
5	16QAM	1	24	18.70	18.80	18.75	18.60	18.44											
5	16QAM	12	0	17.53	17.65	17.61	17.52	17.21											
5	16QAM	12	7	17.54	17.64	17.58	17.41	17.26											
5	16QAM	12	13	17.56	17.62	17.58	17.40	17.18	18.3	2									
5	16QAM	25	0	17.62	17.73	17.64	17.40	17.26											
5	64QAM	1	0	17.33	17.54	17.45	17.12	17.08											
5	64QAM	1	12	17.38	17.47	17.40	17.19	17.00											
5	64QAM	1	24	17.35	17.47	17.43	17.20	17.01	17.3	3									
5	64QAM	12	0	16.57	16.71	16.67	16.47	16.24											
5	64QAM	12	7	16.57	16.71	16.62	16.49	16.18											
5	64QAM	12	13	16.55	16.75	16.60	16.42	16.25											

Conducted Power for DS12

GSM850 ANT 0_DS12	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
Frequency (MHz)	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GSM 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 1 Tx slot	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 2 Tx slots	27.07	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 3 Tx slots	27.25	27.56	27.31	28.30	24.25	24.58	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.84	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 ANT 0_DS12	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
Frequency (MHz)	30.28	30.36	30.39	30.60	21.28	21.36	21.39	21.60
GSM 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 1 Tx slot	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 2 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 3 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.68	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band	WCDMA II ANT 0_DS12			Tune-up Limit (dBm)	WCDMA IV ANT 0_DS12			Tune-up Limit (dBm)	WCDMA V ANT 0_DS12			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938	(dBm)	1637	1638	1738	(dBm)	4367	4407	4458	(dBm)
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	1826.4	836.4	836.4	846.6	846.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps	22.28	22.30	22.27	23.10	21.61	21.65	21.64	22.60	23.90	23.91	23.78	24.80
3GPP Rel 99 RMC 12.2Kbps	22.31	22.32	22.29	23.10	21.63	21.67	21.66	22.60	23.91	23.93	23.79	24.80
3GPP Rel 6 HSDPA Subtest-1	21.00	20.99	20.94	22.10	20.60	20.72	20.70	21.60	22.89	22.84	22.76	23.80
3GPP Rel 6 HSDPA Subtest-2	20.90	20.96	20.93	22.10	20.63	20.66	20.69	21.60	22.87	22.85	22.72	23.80
3GPP Rel 6 HSDPA Subtest-3	20.52	20.49	20.45	21.10	20.17	20.21	20.21	20.60	22.41	22.40	22.25	23.30
3GPP Rel 6 HSDPA Subtest-4	20.41	20.44	20.55	21.10	20.11	20.15	20.23	20.60	22.39	22.32	22.23	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	20.95	20.95	20.92	22.10	20.55	20.67	20.68	21.60	22.72	22.73	22.63	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	20.88	20.94	20.88	22.10	20.58	20.65	20.67	21.60	22.89	22.87	22.70	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	20.49	20.45	20.43	21.10	20.12	20.19	20.19	20.60	22.41	22.26	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	20.37	20.42	20.53	21.10	20.06	20.11	20.21	20.60	22.29	22.27	22.03	23.30
3GPP Rel 6 HSUPA Subtest-1	19.71	19.66	19.71	20.10	19.07	19.20	19.18	19.60	21.36	21.31	21.20	21.80
3GPP Rel 6 HSUPA Subtest-2	18.28	18.17	18.21	19.10	17.59	17.62	17.64	18.60	19.71	19.66	19.65	20.80
3GPP Rel 6 HSUPA Subtest-3	19.27	19.19	19.19	20.10	18.65	18.71	18.67	19.60	20.84	20.82	20.68	21.80
3GPP Rel 6 HSUPA Subtest-4	18.74	18.75	18.71	19.60	18.13	18.15	18.17	19.10	20.34	20.32	20.17	21.30
3GPP Rel 6 HSUPA Subtest-5	21.26	21.14	21.15	22.10	20.67	20.64	20.65	21.60	22.90	22.80	22.70	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	21.21	21.05	21.14	22.10	20.67	20.69	20.67	21.60	22.65	22.71	22.58	23.80



Band 2 ANT 0_DSI2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 16700	Power Middle Ch. / 16900	Power High Ch. / 17100	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.33	21.40	21.24	22.3	0						
20	QPSK	1	49	21.39	21.50	21.28								
20	QPSK	1	99	21.26	21.28	21.18								
20	QPSK	50	0	21.46	21.49	21.36								
20	QPSK	50	24	21.42	21.44	21.34	22.3	0						
20	QPSK	50	50	21.42	21.42	21.30								
20	QPSK	100	0	21.39	21.41	21.28								
20	16QAM	1	0	21.34	21.37	21.20								
20	16QAM	1	49	21.31	21.42	21.21	22.3	0						
20	16QAM	1	99	21.21	21.26	21.18								
20	16QAM	50	0	21.46	21.46	21.34								
20	16QAM	50	24	21.45	21.44	21.36								
20	16QAM	50	50	21.43	21.40	21.28	22.3	0						
20	16QAM	100	0	21.38	21.42	21.29								
20	64QAM	1	0	21.27	21.39	21.19								
20	64QAM	1	99	21.16	21.26	21.15								
20	64QAM	50	0	20.40	20.43	20.31	21.3	1						
20	64QAM	50	24	20.44	20.40	20.37								
20	64QAM	50	50	20.43	20.38	20.24								
20	64QAM	100	0	20.38	20.41	20.24								
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.32	21.37	21.19	22.3	0						
15	QPSK	1	37	21.31	21.44	21.19								
15	QPSK	1	74	21.21	21.22	21.14								
15	QPSK	36	0	21.41	21.37	21.28								
15	QPSK	36	20	21.34	21.44	21.25	22.3	0						
15	QPSK	36	39	21.38	21.39	21.23								
15	QPSK	75	0	21.30	21.33	21.24								
15	16QAM	1	0	21.26	21.27	21.11								
15	16QAM	1	37	21.27	21.32	21.16	22.3	0						
15	16QAM	1	74	21.13	21.16	21.13								
15	16QAM	36	0	21.42	21.39	21.25								
15	16QAM	36	20	21.35	21.37	21.29								
15	16QAM	36	39	21.37	21.31	21.18	22.3	0						
15	16QAM	75	0	21.30	21.32	21.20								
15	64QAM	1	0	21.17	21.35	21.13								
15	64QAM	1	37	21.26	21.33	21.10								
15	64QAM	1	74	21.12	21.20	21.09	22.3	0						
15	64QAM	36	0	20.37	20.39	20.29								
15	64QAM	36	20	20.37	20.39	20.23								
15	64QAM	36	39	20.37	20.35	20.18								
15	64QAM	75	0	20.30	20.33	20.17	21.3	1						
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.30	21.35	21.20	22.3	0						
10	QPSK	1	25	21.36	21.41	21.23								
10	QPSK	1	49	21.20	21.24	21.10								
10	QPSK	25	0	21.36	21.36	21.27								
10	QPSK	25	12	21.37	21.43	21.31	22.3	0						
10	QPSK	25	25	21.39	21.34	21.21								
10	QPSK	50	0	21.32	21.35	21.19								
10	16QAM	1	0	21.26	21.27	21.10								
10	16QAM	1	25	21.21	21.39	21.16	22.3	0						
10	16QAM	1	49	21.13	21.21	21.13								
10	16QAM	25	0	21.37	21.36	21.31								
10	16QAM	25	12	21.36	21.35	21.26								
10	16QAM	25	12	21.40	21.33	21.20	22.3	0						
10	16QAM	50	0	21.31	21.37	21.23								
10	64QAM	1	0	21.17	21.29	21.15								
10	64QAM	1	25	21.31	21.31	21.13								
10	64QAM	1	49	21.08	21.16	21.09	21.3	1						
10	64QAM	25	0	20.32	20.38	20.31								
10	64QAM	25	12	20.41	20.46	20.27								
10	64QAM	25	25	20.37	20.33	20.16								
10	64QAM	50	0	20.33	20.38	20.15	21.3	0						
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.28	21.36	21.22	22.3	0						
5	QPSK	1	12	21.32	21.42	21.18								
5	QPSK	1	24	21.21	21.24	21.14								
5	QPSK	12	0	21.40	21.34	21.32								
5	QPSK	12	7	21.33	21.43	21.31	22.3	0						
5	QPSK	12	13	21.35	21.32	21.24								
5	QPSK	25	0	21.33	21.36	21.18								
5	16QAM	1	0	21.31	21.34	21.17								
5	16QAM	1	12	21.24	21.32	21.14	22.3	0						
5	16QAM	1	24	21.17	21.22	21.14								
5	16QAM	12	0	21.37	21.42	21.27								
5	16QAM	12	7	21.40	21.41	21.32								
5	16QAM	12	13	21.34	21.30	21.25	22.3	0						
5	16QAM	25	0	21.29	21.33	21.26								
5	64QAM	1	0	21.22	21.35	21.11								
5	64QAM	1	12	21.31	21.33	21.08								
5	64QAM	1	24	21.11	21.16	21.10	22.3	0						
5	64QAM	12	0	20.30	20.36	20.34								
5	64QAM	12	7	20.39	20.42	20.28								
5	64QAM	12	13	20.36	20.31	20.14								
5	64QAM	25	0	20.29	20.39	20.16	21.3	1						
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.31	21.39	21.21	22.3	0						
3	QPSK	1	8	21.30	21.40	21.25								
3	QPSK	1	14	21.19	21.21	21.11								
3	QPSK	8	0	21.41	21.40	21.32								
3	QPSK	8	4	21.33	21.39	21.30	22.3	0						
3	QPSK	8	7	21.38	21.38	21.20								
3	QPSK	15	0	21.32	21.37	21.21								
3	16QAM	1	0	21.30	21.31	21.11								
3	16QAM	1	8	21.27	21.38	21.11	22.3	0						
3	16QAM	1	14	21.13	21.22	21.08								
3	16QAM	8	0	21.39	21.43	21.30								
3	16QAM	8	4	21.41	21.35	21.30								
3	16QAM	8	7	21.33	21.34	21.19	22.3	0						
3	16QAM	15	0	21.35	21.37	21.24								
3	64QAM	1	0	21.23	21.31	21.12								
3	64QAM	1	8	21.30	21.30	21.15								
3	64QAM	1	14	21.07	21.16	21.09	22.3	0						
3	64QAM	8	0	20.30	20.40	20.27								
3	64QAM	8	4	20.36	20.46	20.26								
3	64QAM	8	7	20.38	20.28	20.21								
3	64QAM	15	0	20.32	20.36	20.14	21.3	1						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.30	21.36	21.21	22.3	0						
1.4	QPSK	1	3	21.36	21.41	21.18								
1.4	QPSK	1	5	21.17	21.25	21.13								
1.4	QPSK	3	0	21.41	21.34	21.31								
1.4	QPSK	3	1	21.32	21.45	21.24	22.3	0						
1.4	QPSK	3	3	21.37	21.37	21.27								
1.4	QPSK	6	0	21.33	21.33	21.24								
1.4	16QAM	1	0	21.31	21.30	21.12								
1.4	16QAM	1	3	21.23	21.34	21.14	22.3	0						
1.4	16QAM	1	5	21.15	21.23	21.11								
1.4	16QAM	3	0	21.39	21.37	21.31								
1.4	16QAM	3	1	21.36	21.35	21.26								
1.4	16QAM	3	3	21.39	21.37	21.25	22.3	0						
1.4	64QAM	1	0	21.29	21.39	21.20								
1.4	64QAM	1	3	21.21	21.32	21.13								
1.4	64QAM	3	0	21.24	21.31	21.09								
1.4	64QAM	3	1	21.29	21.27	21.16	22.3	0						
1.4	64QAM	3	3	21.09	21.16	21.10								
1.4	64QAM	6	0	20.32	20.35	20.18								
1.4	64QAM	6	0	20.32	20.35	20.18								



Band 7 ANT 0_DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				25015	2535	2560				
20	QPSK	1	0	22.37	22.40	22.45	23.1	0		
10	QPSK	1	49	22.53	22.64	22.62				
20	QPSK	1	99	22.38	22.56	22.58				
20	QPSK	50	0	21.99	22.29	22.26				
20	QPSK	50	24	22.09	22.21	22.19				
20	QPSK	50	50	22.11	22.28	22.28	22.6	0.5		
20	QPSK	100	0	22.08	22.21	22.16				
20	16QAM	1	0	22.15	22.24	22.24				
20	16QAM	1	49	22.35	22.41	22.42				
20	16QAM	1	99	22.16	22.36	22.42				
20	16QAM	50	0	20.97	21.10	21.26	21.6	1.5		
20	16QAM	50	24	21.06	21.19	21.18				
20	16QAM	50	50	21.08	21.27	21.20				
20	16QAM	100	0	21.05	21.10	21.14				
20	64QAM	1	0	21.01	21.09	21.06				
20	64QAM	1	49	21.19	21.30	21.21	21.6	1.5		
20	64QAM	1	99	21.05	21.26	21.26				
20	64QAM	50	0	19.93	20.15	20.25				
20	64QAM	50	24	20.07	20.18	20.16				
20	64QAM	50	50	20.07	20.21	20.24				
20	64QAM	100	0	20.05	20.13	20.13	20.6	2.5		
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	22.36	22.36	22.41	23.1	0		
15	QPSK	1	37	22.45	22.60	22.57				
15	QPSK	1	74	22.35	22.53	22.48				
15	QPSK	36	0	21.91	22.20	22.21				
15	QPSK	36	20	22.06	22.16	22.15				
15	QPSK	36	39	22.01	22.19	22.20	22.6	0.5		
15	QPSK	75	0	22.04	22.13	22.13				
15	16QAM	1	0	22.12	22.17	22.22				
15	16QAM	1	37	22.32	22.31	22.39				
15	16QAM	1	74	22.11	22.27	22.37				
15	16QAM	36	0	20.91	21.07	21.21	21.6	1.5		
15	16QAM	36	20	21.01	21.09	21.09				
15	16QAM	36	39	21.04	21.24	21.15				
15	16QAM	75	0	20.99	21.04	21.07				
15	64QAM	1	0	20.96	21.06	21.06				
15	64QAM	1	37	21.15	21.20	21.18	21.6	1.5		
15	64QAM	1	74	20.97	21.20	21.19				
15	64QAM	36	0	19.89	20.10	20.18				
15	64QAM	36	20	20.01	20.08	20.12				
15	64QAM	36	39	19.98	20.11	20.17				
15	64QAM	75	0	20.00	20.05	20.04	20.6	2.5		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	22.36	22.38	22.43	23.1	0		
10	QPSK	1	25	22.49	22.56	22.52				
10	QPSK	1	49	22.30	22.50	22.50				
10	QPSK	25	0	21.91	22.19	22.16				
10	QPSK	25	12	22.02	22.16	22.09				
10	QPSK	25	25	22.07	22.18	22.23	22.6	0.5		
10	QPSK	50	0	22.01	22.12	22.09				
10	16QAM	1	0	22.05	22.20	22.23				
10	16QAM	1	25	22.25	22.37	22.33				
10	16QAM	1	49	22.11	22.27	22.37				
10	16QAM	25	0	20.88	21.00	21.22	21.6	1.5		
10	16QAM	25	12	20.96	21.12	21.10				
10	16QAM	25	25	20.98	21.19	21.10				
10	16QAM	50	0	21.02	21.05	21.07				
10	64QAM	1	0	20.94	21.04	21.03				
10	64QAM	1	25	21.15	21.21	21.16	21.6	1.5		
10	64QAM	1	49	20.99	21.18	21.18				
10	64QAM	25	0	19.90	20.05	20.16				
10	64QAM	25	12	19.98	20.11	20.13				
10	64QAM	25	25	19.99	20.12	20.21				
10	64QAM	50	0	19.96	20.07	20.08	20.6	2.5		
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	22.34	22.38	22.44	23.1	0		
5	QPSK	1	12	22.44	22.60	22.52				
5	QPSK	1	24	22.33	22.46	22.50				
5	QPSK	12	0	21.89	22.23	22.18				
5	QPSK	12	7	22.03	22.14	22.16				
5	QPSK	12	13	22.01	22.19	22.24	22.6	0.5		
5	QPSK	25	0	22.04	22.13	22.08				
5	16QAM	1	0	22.11	22.16	22.19				
5	16QAM	1	12	22.32	22.32	22.38				
5	16QAM	1	24	22.06	22.30	22.34				
5	16QAM	12	0	20.94	21.06	21.22	21.6	1.5		
5	16QAM	12	7	21.02	21.11	21.12				
5	16QAM	12	13	21.04	21.18	21.15				
5	16QAM	25	0	21.00	21.02	21.04				
5	64QAM	1	0	20.96	21.06	21.02				
5	64QAM	1	12	21.15	21.22	21.16	21.6	1.5		
5	64QAM	1	24	21.00	21.17	21.23				
5	64QAM	12	0	19.87	20.05	20.17				
5	64QAM	12	7	20.04	20.15	20.13				
5	64QAM	12	13	20.03	20.11	20.14				
5	64QAM	25	0	19.97	20.06	20.08	20.6	2.5		

Band 12 ANT 0_DSI2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Mid Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.85	23.88	23.80	24.8	0				
10	QPSK	1	25	23.88	23.91	23.85						
10	QPSK	1	49	23.83	23.85	23.81						
10	QPSK	25	0	22.90	22.92	22.79						
10	QPSK	25	12	22.86	22.89	22.78						
10	QPSK	25	25	22.85	22.88	22.71	23.8	1				
10	QPSK	50	0	22.85	22.89	22.81						
10	16QAM	1	0	23.06	22.87	23.16						
10	16QAM	1	25	22.85	23.24	23.03						
10	16QAM	1	49	23.05	22.81	23.02						
10	16QAM	25	0	21.87	21.76	21.83	22.8	2				
10	16QAM	25	12	22.02	21.70	21.89						
10	16QAM	25	25	21.89	21.67	21.78						
10	16QAM	50	0	21.85	21.70	21.79						
10	64QAM	1	0	22.16	21.75	21.89						
10	64QAM	1	25	22.16	21.78	21.65	22.8	2				
10	64QAM	1	49	22.05	22.07	21.80						
10	64QAM	25	0	21.01	20.66	20.81						
10	64QAM	25	12	20.97	20.67	20.73	21.8	3				
10	64QAM	25	25	20.97	20.72	20.75						
10	64QAM	50	0	20.94	20.74	20.73						
Channel				23035 <th>23095<th>23155<th colspan="4"></th></th></th>	23095 <th>23155<th colspan="4"></th></th>	23155 <th colspan="4"></th>						
Frequency (MHz)				701.5 <th>707.5<th>713.5<th colspan="4"></th></th></th>	707.5 <th>713.5<th colspan="4"></th></th>	713.5 <th colspan="4"></th>						
5	QPSK	1	0	23.78	23.79	23.66	24.8	0				
5	QPSK	1	12	23.89	23.84	23.75						
5	QPSK	1	24	23.77	23.84	23.84						
5	QPSK	12	0	22.96	22.96	22.94						
5	QPSK	12	12	22.93	22.96	22.93						
5	QPSK	12	13	22.97	22.92	22.81	23.8	1				
5	QPSK	25	0	22.93	22.88	22.92						
5	16QAM	1	0	23.55	23.49	23.01						
5	16QAM	1	12	23.09	23.19	22.87						
5	16QAM	1	24	23.53	23.49	23.27						
5	16QAM	12	0	21.94	21.94	21.93	22.8	2				
5	16QAM	12	7	21.94	21.93	21.87						
5	16QAM	12	13	21.89	21.99	21.85						
5	16QAM	25	0	22.06	21.86	21.96						
5	64QAM	1	0	22.19	22.03	22.10						
5	64QAM	1	12	22.25	22.02	21.94	22.8	2				
5	64QAM	1	24	22.16	22.16	22.08						
5	64QAM	12	0	20.96	20.96	20.94						
5	64QAM	12	7	20.96	21.02	20.82						
5	64QAM	12	13	20.96	20.99	20.82						
5	64QAM	25	0	20.95	20.79	20.92	21.8	3				
Channel				23025 <th>23095<th>23165<th colspan="4"></th></th></th>	23095 <th>23165<th colspan="4"></th></th>	23165 <th colspan="4"></th>						
Frequency (MHz)				700.5 <th>707.5<th>714.5<th colspan="4"></th></th></th>	707.5 <th>714.5<th colspan="4"></th></th>	714.5 <th colspan="4"></th>						
3	QPSK	1	0	23.70	23.76	23.73			24.8	0		
3	QPSK	1	8	23.83	23.72	23.69						
3	QPSK	8	14	23.90	23.92	23.91						
3	QPSK	8	4	22.97	22.92	22.77						
3	QPSK	8	4	23.00	22.89	22.82						
3	QPSK	8	7	22.94	22.73	22.94	23.8	1				
3	QPSK	15	0	22.96	22.85	22.87						
3	QPSK	15	0	23.50	23.25	23.48						
3	16QAM	1	0	23.24	23.48	22.90						
3	16QAM	1	14	23.32	23.19	23.08						
3	16QAM	8	0	21.89	21.94	21.80	22.8	2				
3	16QAM	8	4	22.10	21.88	22.01						
3	16QAM	8	7	22.05	21.81	21.95						
3	16QAM	15	0	21.96	21.87	21.94						
3	64QAM	1	0	22.16	22.03	22.10						
3	64QAM	1	8	21.77	22.19	21.77	22.8	2				
3	64QAM	1	14	22.09	22.01	22.11						
3	64QAM	8	0	20.91	20.93	20.91						
3	64QAM	8	4	20.91	21.01	20.99						
3	64QAM	8	7	20.83	20.87	20.95						
3	64QAM	15	0	20.91	20.88	20.95	21.8	3				
Channel				23035 <th>23095<th>23165<th colspan="4"></th></th></th>	23095 <th>23165<th colspan="4"></th></th>	23165 <th colspan="4"></th>						
Frequency (MHz)				699.7 <th>707.5<th>715.3<th colspan="4"></th></th></th>	707.5 <th>715.3<th colspan="4"></th></th>	715.3 <th colspan="4"></th>						
1.4	QPSK	1	0	23.78	23.69	23.58			24.8	0		
1.4	QPSK	1	3	23.75	23.61	23.72						
1.4	QPSK	1	5	23.90	23.56	23.86						
1.4	QPSK	3	0	23.74	23.77	23.58						
1.4	QPSK	3	1	23.87	23.76	23.81						
1.4	QPSK	3	1	23.87	23.72	23.72	23.8	1				
1.4	QPSK	6	0	22.96	22.94	22.94						
1.4	16QAM	1	0	22.94	23.15	22.90						
1.4	16QAM	1	3	23.16	22.76	23.08						
1.4	16QAM	1	5	23.26	23.47	23.22						
1.4	16QAM	3	0	22.93	22.93	22.95	23.8	1				
1.4	16QAM	3	1	22.93	23.00	22.93						
1.4	16QAM	3	3	22.82	22.96	23.01						
1.4	16QAM	6	0	21.89	21.93	21.96						
1.4	64QAM	1	0	21.83	22.21	22.21						
1.4	64QAM	1	3	22.35	22.14	22.34	22.8	2				
1.4	64QAM	1	5	22.51	22.02	21.87						
1.4	64QAM	3	0	22.14	22.02	21.73						
1.4	64QAM	3	1	22.12	22.03	22.18						
1.4	64QAM	3	3	22.10	22.06	22.15						
1.4	64QAM	6	0	20.91	20.84	20.78	21.8	3				



Band 17 ANT 0_DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				2370	2370	2380				
Frequency (MHz)				710	711	711				
10	QPSK	1	0	23.67	23.77	23.71	24.8	0		
10	QPSK	1	25	23.78	23.87	23.80				
10	QPSK	1	49	23.76	23.81	23.79				
10	QPSK	25	0	22.74	22.80	22.78				
10	QPSK	25	12	22.71	22.74	22.72				
10	QPSK	25	25	22.69	22.71	22.70	23.8	1		
10	QPSK	50	0	22.70	22.77	22.75				
10	16QAM	1	0	23.36	22.85	22.75				
10	16QAM	1	25	23.39	23.28	22.77				
10	16QAM	1	49	23.16	23.26	22.78				
10	16QAM	25	0	21.86	21.74	21.76	22.8	2		
10	16QAM	25	12	21.88	21.89	21.71				
10	16QAM	25	25	21.80	21.88	21.73				
10	16QAM	50	0	21.87	21.88	21.71				
10	64QAM	1	0	21.51	21.89	21.54				
10	64QAM	1	25	22.13	22.06	21.71	22.8	2		
10	64QAM	1	49	22.05	21.88	21.77				
10	64QAM	25	0	20.74	20.67	20.70				
10	64QAM	25	12	20.82	20.71	20.70				
10	64QAM	25	25	20.79	20.68	20.70				
10	64QAM	50	0	20.78	20.73	20.75	21.8	3		
Channel				2375	2370	2385				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.66	23.74	23.81	24.8	0		
5	QPSK	1	12	23.65	23.75	23.86				
5	QPSK	1	24	23.79	23.78	23.81				
5	QPSK	12	0	22.86	22.87	22.81				
5	QPSK	12	7	22.86	22.80	22.85				
5	QPSK	12	13	22.86	22.81	22.80	23.8	1		
5	QPSK	25	0	22.81	22.81	22.77				
5	16QAM	1	0	22.83	22.85	23.53				
5	16QAM	1	12	22.99	23.59	23.04				
5	16QAM	1	24	23.48	23.41	22.92				
5	16QAM	12	0	21.79	21.88	21.85	22.8	2		
5	16QAM	12	7	21.83	21.81	21.91				
5	16QAM	12	13	21.90	21.85	21.86				
5	16QAM	25	0	21.92	21.77	21.81				
5	64QAM	1	0	21.62	22.36	22.04				
5	64QAM	1	12	22.37	22.19	22.36	22.8	2		
5	64QAM	1	24	22.21	21.94	21.80				
5	64QAM	12	0	20.80	20.84	20.78				
5	64QAM	12	7	20.91	20.81	20.89				
5	64QAM	12	13	20.75	20.88	20.85				
5	64QAM	25	0	20.78	20.81	20.98	21.8	3		

Band 25 ANT 0_DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power High Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				26140	26340	26560				
Frequency (MHz)				1880	1890	1905				
20	QPSK	1	0	21.43	21.50	21.33	22.3	0		
20	QPSK	1	49	21.50	21.59	21.44				
20	QPSK	1	99	21.34	21.36	21.33				
20	QPSK	50	0	21.57	21.58	21.48				
20	QPSK	50	24	21.56	21.55	21.46				
20	QPSK	50	50	21.50	21.52	21.42	22.3	0		
20	QPSK	100	0	21.50	21.52	21.41				
20	16QAM	1	0	21.38	21.45	21.22				
20	16QAM	1	49	21.39	21.46	21.40				
20	16QAM	1	99	21.32	21.42	21.30				
20	16QAM	50	0	21.48	21.56	21.35	22.3	0		
20	16QAM	50	24	21.49	21.48	21.37				
20	16QAM	50	50	21.53	21.49	21.47				
20	16QAM	100	0	21.50	21.52	21.40				
20	64QAM	1	0	21.28	21.34	21.20				
20	64QAM	1	49	21.34	21.40	21.36	22.3	0		
20	64QAM	1	99	21.13	21.30	21.22				
20	64QAM	50	0	20.55	20.63	20.42				
20	64QAM	50	24	20.53	20.57	20.44				
20	64QAM	50	50	20.43	20.54	20.43				
20	64QAM	100	0	20.49	20.53	20.41	21.3	1		
Channel				26115	26340	26515				
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	21.42	21.48	21.31	22.3	0		
15	QPSK	1	37	21.41	21.51	21.35				
15	QPSK	1	74	21.28	21.29	21.34				
15	QPSK	36	0	21.51	21.48	21.41				
15	QPSK	36	20	21.49	21.52	21.41				
15	QPSK	36	39	21.46	21.48	21.35	22.3	0		
15	QPSK	75	0	21.42	21.48	21.31				
15	16QAM	1	0	21.29	21.36	21.16				
15	16QAM	1	37	21.28	21.42	21.37				
15	16QAM	1	74	21.23	21.33	21.24				
15	16QAM	36	0	21.40	21.46	21.31	22.3	0		
15	16QAM	36	20	21.42	21.44	21.29				
15	16QAM	36	39	21.43	21.45	21.41				
15	16QAM	75	0	21.43	21.48	21.37				
15	64QAM	1	0	21.28	21.24	21.12				
15	64QAM	1	37	21.31	21.37	21.28	22.3	0		
15	64QAM	1	74	21.09	21.27	21.13				
15	64QAM	36	0	20.52	20.54	20.39				
15	64QAM	36	20	20.46	20.49	20.34				
15	64QAM	36	39	20.40	20.47	20.37				
15	64QAM	75	0	20.44	20.44	20.36	21.3	1		
Channel				26050	26340	26500				
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	21.38	21.46	21.30	22.3	0		
10	QPSK	1	25	21.40	21.53	21.41				
10	QPSK	1	49	21.29	21.31	21.28				
10	QPSK	25	0	21.54	21.48	21.45				
10	QPSK	25	12	21.47	21.51	21.38				
10	QPSK	25	25	21.41	21.44	21.33	22.3	0		
10	QPSK	50	0	21.44	21.48	21.38				
10	16QAM	1	0	21.34	21.35	21.14				
10	16QAM	1	25	21.36	21.40	21.34				
10	16QAM	1	49	21.29	21.38	21.23				
10	16QAM	25	0	21.42	21.52	21.32	22.3	0		
10	16QAM	25	12	21.44	21.43	21.34				
10	16QAM	25	25	21.47	21.42	21.39				
10	16QAM	50	0	21.46	21.45	21.31				
10	64QAM	1	0	21.20	21.31	21.14				
10	64QAM	1	25	21.25	21.35	21.17	22.3	0		
10	64QAM	1	49	21.05	21.21	21.13				
10	64QAM	25	0	20.52	20.58	20.39				
10	64QAM	25	12	20.43	20.51	20.37	21.3	1		
10	64QAM	25	25	20.35	20.51	20.33				
10	64QAM	50	0	20.41	20.44	20.37				
Channel				26065	26340	26565				
Frequency (MHz)				1880 <th>1890<th>1912.5</th><td colspan="2"></td></th>	1890 <th>1912.5</th> <td colspan="2"></td>	1912.5				
5	QPSK	1	0	21.38	21.49	21.31	22.3	0		
5	QPSK	1	12	21.43	21.51	21.37				
5	QPSK	1	24	21.27	21.43	21.31				
5	QPSK	12	0	21.52	21.52	21.45				
5	QPSK	12	7	21.49	21.48	21.40				
5	QPSK	12	13	21.44	21.44	21.33	22.3	0		
5	QPSK	25	0	21.46	21.44	21.38				
5	16QAM	1	0	21.26	21.42	21.18				
5	16QAM	1	12	21.33	21.37	21.33				
5	16QAM	1	24	21.25	21.39	21.22				
5	16QAM	12	0	21.43	21.48	21.32	22.3	0		
5	16QAM	12	7	21.43	21.39	21.32				
5	16QAM	12	13	21.44	21.44	21.43				
5	16QAM	25	0	21.47	21.42	21.36				
5	16QAM	1	0	21.21	21.24	21.13				
5	64QAM	1	12	21.30	21.36	21.31	22.3	0		
5	64QAM	1	24	21.08	21.20	21.17				
5	64QAM	12	0	20.47	20.53	20.32				
5	64QAM	12	7	20.45	20.54	20.35				
5	64QAM	12	13	20.43	20.48	20.34				
5	64QAM	25	0	20.44	20.46	20.32	21.3	1		
Channel				26055	26340	26575				
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	21.41	21.46	21.31	22.3	0		
3	QPSK	1	8	21.45	21.54	21.39				
3	QPSK	1	14	21.26	21.31	21.26				
3	QPSK	8	0	21.51	21.53	21.42				
3	QPSK	8	4	21.49	21.47	21.36				
3	QPSK	15	0	21.41	21.45	21.34	22.3	0		
3	16QAM	1	0	21.30	21.42	21.14				
3	16QAM	1	8	21.35	21.43	21.33				
3	16QAM	1	14	21.29	21.32	21.23				
3	16QAM	1	21	21.21	21.27	21.19				
3	16QAM	8	4	21.39	21.40	21.27	22.3	0		
3	16QAM	8	7	21.47	21.46	21.44				
3	16QAM	15	0	21.47	21.46	21.33				
3	64QAM	1	0	21.19	21.29	21.14				
3	64QAM	1	8	21.26	21.32	21.26				
3	64QAM	1	14	21.09	21.14	21.14	22.3	0		
3	64QAM	8	0	20.46	20.58	20.35				
3	64QAM	8	4	20.48	20.53	20.35				
3	64QAM	8	7	20.34	20.50	20.37				
3	64QAM	15	0	20.42	20.45	20.34				
Channel				26047	26340	26583				
Frequency (MHz)				1850	1880	1914.3				
1.4	QPSK	1	0	21.40	21.46	21.31	22.3	0		
1.4	QPSK	1	3	21.45	21.49	21.37				
1.4	QPSK	1	5	21.27	21.33	21.26				
1.4	QPSK	3	0	21.48	21.49	21.45				
1.4	QPSK	3	1	21.49	21.45	21.36				
1.4	QPSK	3	3	21.47	21.49	21.36	22.3	0		
1.4	QPSK	6	0	21.46	21.46	21.45				
1.4	16QAM	1	0	21.28	21.42	21.15				
1.4	16QAM	1	3	21.31	21.40	21.36				
1.4	16QAM	3	0	21.22	21.38	21.27				
1.4	16QAM	3	1	21.45	21.51	21.28	22.3	0		
1.4	16QAM	3	1	21.42	21.42	21.27				
1.4	16QAM	3	3	21.46	21.43	21.39				
1.4	64QAM	1	0	21.40	21.44	21.36				
1.4	64QAM	1	0	21.25	21.24	21.13				
1.4	64QAM	1	3	21.30	21.33	21.33	22.3	0		
1.4	64QAM	1	5	21.07	21.23	21.15				
1.4	64QAM	3	0	21.26	21.24	21.17				
1.4	64QAM	3	1	21.31	21.36	21.35				
1.4	64QAM	3	3	21.09	21.28	21.18				
1.4	64QAM	6	0	20.39	20.47	20.33	21.3	1		



Band 66 ANT 0_DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.51	20.57	20.49	21.3	0	
20	QPSK	1	49	20.62	20.63	20.55			
20	QPSK	1	99	20.38	20.35	20.38			
20	QPSK	50	0	20.46	20.59	20.58			
20	QPSK	50	24	20.53	20.55	20.54	21.3	0	
20	QPSK	50	50	20.52	20.54	20.53			
20	QPSK	100	0	20.48	20.50	20.48			
20	16QAM	1	0	20.27	20.33	20.27			
20	16QAM	1	49	20.38	20.39	20.28	21.3	0	
20	16QAM	1	99	20.19	20.03	20.14			
20	16QAM	50	0	20.48	20.58	20.62			
20	16QAM	50	24	20.56	20.53	20.53			
20	16QAM	50	50	20.50	20.53	20.59	21.3	0	
20	16QAM	100	0	20.51	20.50	20.48			
20	64QAM	1	0	20.34	20.37	20.28			
20	64QAM	1	49	20.45	20.33	20.44			
20	64QAM	1	99	20.24	20.10	20.12	21.3	0	
20	64QAM	50	0	20.49	20.59	20.58			
20	64QAM	50	24	20.68	20.55	20.56			
20	64QAM	50	50	20.51	20.55	20.60			
20	64QAM	100	0	20.49	20.50	20.46	132047	132322	132597
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.47	20.56	20.44	21.3	0	
15	QPSK	1	37	20.55	20.55	20.51			
15	QPSK	1	74	20.31	20.28	20.35			
15	QPSK	36	0	20.36	20.58	20.50			
15	QPSK	36	20	20.48	20.47	20.49	21.3	0	
15	QPSK	36	39	20.44	20.45	20.47			
15	QPSK	75	0	20.42	20.40	20.41			
15	16QAM	1	0	20.22	20.28	20.18			
15	16QAM	1	37	20.29	20.32	20.19	21.3	0	
15	16QAM	1	74	20.16	19.96	20.08			
15	16QAM	36	0	20.38	20.51	20.52			
15	16QAM	36	20	20.48	20.47	20.46			
15	16QAM	36	39	20.47	20.47	20.51	21.3	0	
15	16QAM	75	0	20.41	20.46	20.43			
15	64QAM	1	0	20.24	20.31	20.21			
15	64QAM	1	37	20.37	20.29	20.36			
15	64QAM	1	74	20.21	20.00	20.02	21.3	0	
15	64QAM	36	0	20.42	20.50	20.48			
15	64QAM	36	20	20.53	20.49	20.52			
15	64QAM	36	39	20.43	20.47	20.57			
15	64QAM	75	0	20.46	20.46	20.42	132022	132322	132522
Channel				132022	132322	132522	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.49	20.54	20.44	21.3	0	
10	QPSK	1	25	20.59	20.54	20.51			
10	QPSK	1	49	20.28	20.28	20.33			
10	QPSK	25	0	20.38	20.56	20.49			
10	QPSK	25	12	20.47	20.51	20.47	21.3	0	
10	QPSK	25	25	20.44	20.50	20.48			
10	QPSK	50	0	20.41	20.47	20.38			
10	16QAM	1	0	20.22	20.30	20.19			
10	16QAM	1	25	20.33	20.35	20.24	21.3	0	
10	16QAM	1	49	20.15	19.99	20.04			
10	16QAM	25	0	20.45	20.53	20.55			
10	16QAM	25	12	20.51	20.46	20.43			
10	16QAM	25	25	20.47	20.48	20.49	21.3	0	
10	16QAM	50	0	20.48	20.45	20.44			
10	64QAM	1	0	20.31	20.33	20.23			
10	64QAM	1	25	20.40	20.23	20.41			
10	64QAM	1	49	20.14	20.04	20.04	21.3	0	
10	64QAM	25	0	20.44	20.55	20.56			
10	64QAM	25	12	20.49	20.47	20.46			
10	64QAM	25	25	20.42	20.52	20.55			
10	64QAM	50	0	20.40	20.45	20.41	131997	132322	132847
Channel				131997	132322	132847	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.47	20.52	20.45	21.3	0	
5	QPSK	1	12	20.53	20.58	20.45			
5	QPSK	1	24	20.29	20.25	20.30			
5	QPSK	12	0	20.42	20.49	20.49			
5	QPSK	12	7	20.44	20.45	20.45	21.3	0	
5	QPSK	12	13	20.42	20.45	20.47			
5	QPSK	25	0	20.44	20.45	20.39			
5	16QAM	1	0	20.18	20.23	20.23			
5	16QAM	1	12	20.32	20.30	20.21	21.3	0	
5	16QAM	1	24	20.10	19.94	20.07			
5	16QAM	12	0	20.43	20.52	20.55			
5	16QAM	12	7	20.51	20.45	20.46			
5	16QAM	12	13	20.44	20.43	20.50	21.3	0	
5	16QAM	25	0	20.47	20.47	20.40			
5	64QAM	1	0	20.24	20.32	20.21			
5	64QAM	1	12	20.40	20.25	20.39			
5	64QAM	1	24	20.18	20.03	20.05	21.3	0	
5	64QAM	12	0	20.42	20.51	20.48			
5	64QAM	12	7	20.51	20.46	20.48			
5	64QAM	12	13	20.46	20.47	20.52			
5	64QAM	25	0	20.41	20.44	20.38	131987	132322	132537
Channel				131987	132322	132537	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	20.50	20.52	20.47	21.3	0	
3	QPSK	1	8	20.58	20.54	20.49			
3	QPSK	1	14	20.32	20.27	20.28			
3	QPSK	8	0	20.39	20.54	20.50			
3	QPSK	8	4	20.44	20.51	20.46	21.3	0	
3	QPSK	8	7	20.48	20.48	20.44			
3	QPSK	15	0	20.39	20.46	20.44			
3	16QAM	1	0	20.24	20.28	20.17			
3	16QAM	1	8	20.33	20.36	20.20	21.3	0	
3	16QAM	1	14	20.12	19.93	20.09			
3	16QAM	8	0	20.43	20.49	20.54			
3	16QAM	8	4	20.53	20.47	20.50			
3	16QAM	8	7	20.46	20.44	20.50	21.3	0	
3	16QAM	15	0	20.47	20.41	20.44			
3	64QAM	1	0	20.30	20.29	20.24			
3	64QAM	1	8	20.37	20.27	20.37			
3	64QAM	1	14	20.18	20.05	20.05	21.3	0	
3	64QAM	8	0	20.40	20.50	20.50			
3	64QAM	8	4	20.50	20.49	20.53			
3	64QAM	8	7	20.47	20.48	20.51			
3	64QAM	15	0	20.42	20.46	20.41	131979	132322	132665
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.49	20.56	20.46	21.3	0	
1.4	QPSK	1	3	20.53	20.53	20.47			
1.4	QPSK	1	5	20.29	20.28	20.29			
1.4	QPSK	3	0	20.39	20.49	20.51			
1.4	QPSK	3	1	20.44	20.47	20.46	21.3	0	
1.4	QPSK	3	3	20.42	20.48	20.43			
1.4	QPSK	6	0	20.42	20.42	20.41			
1.4	16QAM	1	0	20.17	20.24	20.23			
1.4	16QAM	1	3	20.28	20.29	20.24	21.3	0	
1.4	16QAM	1	5	20.10	19.96	20.09			
1.4	16QAM	3	0	20.43	20.52	20.58			
1.4	16QAM	3	1	20.46	20.43	20.45	21.3	0	
1.4	16QAM	3	3	20.43	20.47	20.53			
1.4	64QAM	1	0	20.25	20.34	20.20			
1.4	64QAM	1	3	20.35	20.27	20.40			
1.4	64QAM	1	5	20.17	20.01	20.04	21.3	0	
1.4	64QAM	3	0	20.42	20.51	20.48			
1.4	64QAM	3	1	20.54	20.52	20.52			
1.4	64QAM	3	3	20.42	20.48	20.53			
1.4	64QAM	6	0	20.43	20.47	20.43	21.3	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 Int (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	37.650	38.000	38.150	23.8	0
				20.90	20.95	20.10		
20	QPSK	1	49	23.18	23.21	23.19		
20	QPSK	1	99	23.30	23.35	23.34	22.8	1
20	QPSK	50	0	22.23	22.27	22.25		
20	QPSK	50	24	22.21	22.25	22.23		
20	QPSK	50	50	22.18	22.23	22.21	22.8	1
20	QPSK	100	0	22.19	22.25	22.21		
20	16QAM	1	0	22.22	22.21	22.23		
20	16QAM	1	49	22.36	22.42	22.40	21.8	2
20	16QAM	1	99	22.42	22.40	22.34		
20	16QAM	50	0	21.12	21.18	21.15		
20	16QAM	50	24	21.19	21.19	21.26	21.8	2
20	16QAM	50	50	21.25	21.30	21.26		
20	16QAM	100	0	21.23	21.32	21.28		
20	64QAM	1	0	20.84	20.86	20.90	20.8	3
20	64QAM	1	49	21.00	21.02	21.07		
20	64QAM	1	99	21.07	21.03	21.05		
20	64QAM	50	0	20.13	20.19	20.22	20.8	3
20	64QAM	50	24	20.22	20.20	20.25		
20	64QAM	50	50	20.19	20.31	20.28		
20	64QAM	100	0	20.16	20.21	20.26		
20	64QAM	100	0	20.16	20.21	20.26		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.17	23.24	23.23	23.8	0
15	QPSK	1	37	23.27	23.31	23.32		
15	QPSK	1	74	23.30	23.31	23.34		
15	QPSK	36	0	22.28	22.35	22.30	22.8	1
15	QPSK	36	20	22.32	22.37	22.36		
15	QPSK	36	39	22.37	22.37	22.38		
15	QPSK	75	0	22.33	22.35	22.39	22.8	1
15	16QAM	1	0	22.34	22.42	22.39		
15	16QAM	1	37	22.46	22.50	22.45		
15	16QAM	1	74	21.73	21.69	21.67	21.8	2
15	16QAM	36	0	21.27	21.36	21.37		
15	16QAM	36	20	21.32	21.36	21.37		
15	16QAM	36	39	21.33	21.38	21.37	21.8	2
15	16QAM	75	0	21.36	21.41	21.38		
15	64QAM	1	0	21.03	21.09	21.06		
15	64QAM	1	37	21.12	21.19	21.20	21.8	2
15	64QAM	1	74	21.13	21.14	21.15		
15	64QAM	36	0	20.35	20.37	20.39		
15	64QAM	36	20	20.36	20.39	20.39	20.8	3
15	64QAM	36	39	20.33	20.39	20.40		
15	64QAM	75	0	20.34	20.39	20.36		
15	64QAM	75	0	20.34	20.39	20.36		
15	64QAM	75	0	20.34	20.39	20.36		
Channel								
Frequency (MHz)								
10	QPSK	1	0	37.650	38.000	38.200	17.0-18.0 Int (dBm)	MFR (dB)
				20.15	20.95	20.18		
10	QPSK	1	25	23.19	23.27	23.33		
10	QPSK	1	49	23.26	23.27	23.35	23.8	0
10	QPSK	25	0	22.35	22.43	22.42		
10	QPSK	25	12	22.34	22.41	22.42		
10	QPSK	25	25	22.35	22.42	22.48	22.8	1
10	QPSK	50	0	22.37	22.46	22.44		
10	QPSK	50	25	22.38	22.45	22.45		
10	16QAM	1	25	22.43	22.51	22.63	22.8	1
10	16QAM	1	49	22.44	22.47	22.50		
10	16QAM	25	0	21.36	21.44	21.46		
10	16QAM	25	12	21.35	21.40	21.47	21.8	2
10	16QAM	25	25	21.39	21.41	21.45		
10	16QAM	50	0	21.37	21.45	21.44		
10	16QAM	1	25	21.08	21.13	21.16	21.8	2
10	64QAM	1	25	21.10	21.18	21.22		
10	64QAM	1	49	21.10	21.13	21.16		
10	64QAM	25	0	20.37	20.45	20.48	20.8	3
10	64QAM	25	12	20.38	20.43	20.48		
10	64QAM	25	25	20.40	20.46	20.48		
10	64QAM	50	0	20.39	20.43	20.40	20.8	3
10	64QAM	50	0	20.39	20.44	20.40		
10	64QAM	50	0	20.39	20.44	20.40		
Channel								
Frequency (MHz)								
5	QPSK	1	0	25.715	25.995	26.175	17.0-18.0 Int (dBm)	MFR (dB)
				21.12	23.26	23.33		
5	QPSK	1	12	23.27	23.31	23.32		
5	QPSK	1	24	23.31	23.33	23.35	23.8	0
5	QPSK	12	0	22.40	22.46	22.47		
5	QPSK	12	7	22.53	22.58	22.43		
5	QPSK	15	0	22.39	22.52	22.40	22.8	1
5	QPSK	25	0	22.37	22.43	22.44		
5	16QAM	1	0	22.44	22.50	22.52		
5	16QAM	1	12	22.50	22.52	22.51	22.8	1
5	16QAM	1	24	22.42	22.52	22.52		
5	16QAM	12	0	21.36	21.41	21.41		
5	16QAM	12	7	21.29	21.32	21.31	21.8	2
5	16QAM	15	0	21.35	21.38	21.38		
5	16QAM	25	0	21.37	21.46	21.47		
5	64QAM	1	0	21.11	21.16	21.20	21.8	2
5	64QAM	1	12	21.15	21.14	21.14		
5	64QAM	12	0	20.35	20.41	20.43		
5	64QAM	12	7	20.52	20.35	20.40	20.8	3
5	64QAM	15	0	20.49	20.44	20.41		
5	64QAM	25	0	20.39	20.44	20.41		

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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 Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.41	22.39	22.48	23.8	0		
20	QPSK	1	49	22.49	22.45	22.59				
20	QPSK	1	99	22.43	22.40	22.58				
20	QPSK	50	0	21.54	21.63	21.50	22.8	1		
20	QPSK	50	24	21.59	21.48	21.60				
20	QPSK	50	50	21.51	21.41	21.53				
20	QPSK	100	0	21.57	21.49	21.57	22.8	1		
20	16QAM	1	0	21.54	21.46	21.48				
20	16QAM	1	49	21.69	21.63	21.76				
20	16QAM	1	99	21.69	21.67	21.62	21.8	2		
20	16QAM	50	0	20.45	20.37	20.36				
20	16QAM	50	24	20.45	20.53	20.49				
20	16QAM	50	50	20.54	20.57	20.60	21.8	2		
20	16QAM	100	0	20.56	20.47	20.71				
20	64QAM	1	0	20.22	20.14	20.21				
20	64QAM	1	49	20.33	20.33	20.44	21.8	2		
20	64QAM	1	99	20.31	20.29	20.45				
20	64QAM	50	0	19.47	19.37	19.42				
20	64QAM	50	24	19.54	19.45	19.56	20.8	3		
20	64QAM	50	50	19.55	19.56	19.57				
20	64QAM	100	0	19.52	19.42	19.61				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.46	22.47	22.46	24	0		
15	QPSK	1	37	22.54	22.44	22.53				
15	QPSK	1	74	22.45	22.55	22.54				
15	QPSK	36	0	21.56	21.66	21.61	22.8	1		
15	QPSK	36	20	21.68	21.59	21.63				
15	QPSK	36	39	21.67	21.62	21.69				
15	QPSK	75	0	21.68	21.57	21.60	22.8	1		
15	16QAM	1	0	21.64	21.60	21.68				
15	16QAM	1	37	21.72	21.68	21.71				
15	16QAM	1	74	21.73	21.65	21.79	21.8	2		
15	16QAM	36	0	20.88	20.81	20.88				
15	16QAM	36	20	20.67	20.60	20.67				
15	16QAM	36	39	20.50	20.65	20.53	21.8	2		
15	16QAM	75	0	20.55	20.70	20.77				
15	64QAM	1	0	20.63	20.35	20.39				
15	64QAM	1	37	20.59	20.46	20.53	21.8	2		
15	64QAM	1	74	20.38	20.39	20.48				
15	64QAM	36	0	19.47	19.64	19.70				
15	64QAM	36	20	19.35	19.63	19.74	20.8	3		
15	64QAM	36	39	19.54	19.54	19.65				
15	64QAM	75	0	19.54	19.64	19.76				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.43	22.38	22.56	23.80	0		
10	QPSK	1	25	22.55	22.57	22.51				
10	QPSK	1	49	22.48	22.55	22.53				
10	QPSK	25	0	21.73	21.65	21.79	22.8	1		
10	QPSK	25	12	21.59	21.59	21.70				
10	QPSK	25	25	21.72	21.62	21.81				
10	QPSK	50	0	21.67	21.72	21.83	22.8	1		
10	16QAM	1	0	21.81	21.64	21.83				
10	16QAM	1	25	21.76	21.76	21.88				
10	16QAM	1	49	21.67	21.77	21.81	21.8	2		
10	16QAM	25	0	20.64	20.64	20.82				
10	16QAM	25	12	20.64	20.67	20.69				
10	16QAM	25	25	20.65	20.63	20.81	21.8	2		
10	16QAM	50	0	20.77	20.70	20.75				
10	16QAM	50	0	20.34	20.33	20.43				
10	64QAM	1	25	20.38	20.47	20.53	21.8	2		
10	64QAM	1	49	20.39	20.42	20.52				
10	64QAM	25	0	19.65	19.70	19.72				
10	64QAM	25	12	19.68	19.67	19.75	20.8	3		
10	64QAM	25	25	19.74	19.65	19.80				
10	64QAM	50	0	19.65	19.58	19.67				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.38	22.53	22.56	23.80	0		

Conducted Power for DSI7

GSM850 ANT 0_DSI7	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.07	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.56	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.84	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 ANT 0_DSI7	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.28	30.36	30.39	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.68	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band	WCDMA II ANT 0_DSI7			Tune-up Limit (dBm)	WCDMA IV ANT 0_DSI7			Tune-up Limit (dBm)	WCDMA V ANT 0_DSI7			Tune-up Limit (dBm)
	9282	9400	9538		1512	1543	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.13	21.15	21.14	22.10	19.70	19.72	19.64	20.60	23.90	23.91	23.78	24.80
3GPP Rel 99 RMC 12.2Kbps	21.11	21.20	21.16	22.10	19.72	19.74	19.67	20.60	23.91	23.93	23.79	24.80
3GPP Rel 6 HSDPA Subtest-1	20.14	20.15	20.05	21.10	18.57	18.68	18.70	19.60	22.89	22.84	22.76	23.80
3GPP Rel 6 HSDPA Subtest-2	20.09	20.13	20.03	21.10	18.55	18.64	18.65	19.60	22.87	22.85	22.72	23.80
3GPP Rel 6 HSDPA Subtest-3	19.63	19.65	19.63	20.10	18.07	18.17	18.20	18.60	22.41	22.40	22.25	23.30
3GPP Rel 6 HSDPA Subtest-4	19.61	19.62	19.59	20.10	18.11	18.13	18.08	18.60	22.39	22.32	22.23	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	20.11	20.12	20.03	21.10	18.49	18.64	18.61	19.60	22.72	22.73	22.63	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	20.04	20.12	19.96	21.10	18.51	18.62	18.65	19.60	22.89	22.87	22.70	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	19.61	19.63	19.58	20.10	18.13	18.15	18.14	18.60	22.41	22.26	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	19.58	19.58	19.58	20.10	18.02	18.13	18.02	18.60	22.29	22.27	22.03	23.30
3GPP Rel 6 HSUPA Subtest-1	18.70	18.66	18.68	19.10	17.10	17.17	17.14	17.60	21.36	21.31	21.20	21.80
3GPP Rel 6 HSUPA Subtest-2	17.25	17.15	17.23	18.10	15.57	15.58	15.67	16.60	19.71	19.66	19.65	20.80
3GPP Rel 6 HSUPA Subtest-3	18.29	18.24	18.24	19.10	16.64	16.72	16.71	17.60	20.84	20.82	20.68	21.80
3GPP Rel 6 HSUPA Subtest-4	17.75	17.71	17.73	18.60	16.18	16.18	16.13	17.10	20.34	20.32	20.17	21.30
3GPP Rel 6 HSUPA Subtest-5	20.30	20.14	20.20	21.10	18.56	18.68	18.73	19.60	22.90	22.80	22.70	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.06	20.04	20.00	21.10	18.57	18.65	18.54	19.60	22.65	22.71	22.58	23.80

Band 2 ANT 0_DSI7														
BW (MHz)	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	20.33	20.40	20.24	21.3	0						
20	QPSK	1	49	20.39	20.50	20.28								
20	QPSK	1	99	20.26	20.28	20.18								
20	QPSK	50	0	20.46	20.49	20.36	21.3	0						
20	QPSK	50	24	20.42	20.44	20.34								
20	QPSK	50	50	20.42	20.42	20.30								
20	QPSK	100	0	20.39	20.41	20.28	21.3	0						
20	16QAM	1	0	20.34	20.37	20.20								
20	16QAM	1	49	20.31	20.42	20.21								
20	16QAM	1	99	20.21	20.26	20.18	21.3	0						
20	16QAM	50	0	20.46	20.46	20.34								
20	16QAM	50	24	20.45	20.44	20.36								
20	16QAM	50	50	20.43	20.40	20.31	21.3	0						
20	16QAM	100	0	20.38	20.42	20.29								
20	84QAM	1	0	20.27	20.39	20.19								
20	84QAM	1	49	20.35	20.38	20.18	21.3	0						
20	84QAM	1	99	20.16	20.26	20.15								
20	84QAM	50	0	20.40	20.43	20.37								
20	84QAM	50	24	20.44	20.49	20.31	21.3	0						
20	84QAM	50	50	20.43	20.38	20.24								
20	84QAM	100	0	20.38	20.41	20.25								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.25	20.35	20.19	21.3	0						
15	QPSK	1	37	20.35	20.46	20.24								
15	QPSK	1	74	20.22	20.19	20.14								
15	QPSK	36	0	20.40	20.39	20.29	21.3	0						
15	QPSK	36	20	20.37	20.35	20.31								
15	QPSK	36	39	20.36	20.36	20.21								
15	QPSK	75	0	20.35	20.33	20.20	21.3	0						
15	16QAM	1	0	20.31	20.32	20.13								
15	16QAM	1	37	20.23	20.32	20.16								
15	16QAM	1	74	20.17	20.16	20.08	21.3	0						
15	16QAM	36	0	20.41	20.40	20.31								
15	16QAM	36	20	20.42	20.41	20.27								
15	16QAM	36	39	20.36	20.32	20.19	21.3	0						
15	16QAM	75	0	20.33	20.33	20.19								
15	84QAM	1	0	20.17	20.35	20.14								
15	84QAM	1	37	20.29	20.28	20.12	21.3	0						
15	84QAM	1	74	20.07	20.22	20.05								
15	84QAM	36	0	20.34	20.33	20.31								
15	84QAM	36	20	20.39	20.39	20.24	21.3	0						
15	84QAM	36	39	20.35	20.29	20.18								
15	84QAM	75	0	20.31	20.33	20.16								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.29	20.33	20.17	21.3	0						
10	QPSK	1	25	20.36	20.46	20.27								
10	QPSK	1	49	20.18	20.22	20.15								
10	QPSK	25	0	20.41	20.43	20.32	21.3	0						
10	QPSK	25	12	20.36	20.35	20.31								
10	QPSK	25	25	20.39	20.38	20.23								
10	QPSK	50	0	20.29	20.36	20.18	21.3	0						
10	16QAM	1	0	20.24	20.29	20.17								
10	16QAM	1	25	20.24	20.36	20.18								
10	16QAM	1	49	20.17	20.22	20.10	21.3	0						
10	16QAM	25	0	20.36	20.38	20.28								
10	16QAM	25	12	20.41	20.38	20.30								
10	16QAM	25	25	20.35	20.37	20.24	21.3	0						
10	16QAM	50	0	20.35	20.34	20.24								
10	84QAM	1	0	20.20	20.34	20.09								
10	84QAM	1	25	20.27	20.35	20.09	21.3	0						
10	84QAM	1	49	20.11	20.17	20.06								
10	84QAM	25	0	20.34	20.39	20.32								
10	84QAM	25	12	20.36	20.43	20.23	21.3	0						
10	84QAM	25	25	20.38	20.31	20.21								
10	84QAM	50	0	20.35	20.37	20.17								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.23	20.30	20.21	21.3	0						
5	QPSK	1	12	20.36	20.49	20.24								
5	QPSK	1	24	20.23	20.22	20.10								
5	QPSK	12	0	20.36	20.44	20.30	21.3	0						
5	QPSK	12	7	20.32	20.34	20.25								
5	QPSK	12	13	20.38	20.34	20.22								
5	QPSK	25	0	20.30	20.35	20.21	21.3	0						
5	16QAM	1	0	20.28	20.29	20.13								
5	16QAM	1	12	20.22	20.33	20.13								
5	16QAM	1	24	20.14	20.21	20.09	21.3	0						
5	16QAM	12	0	20.43	20.43	20.26								
5	16QAM	12	7	20.37	20.37	20.31								
5	16QAM	12	13	20.39	20.35	20.21	21.3	0						
5	16QAM	25	0	20.31	20.32	20.21								
5	84QAM	1	0	20.20	20.33	20.14								
5	84QAM	1	12	20.26	20.35	20.11	21.3	0						
5	84QAM	1	24	20.11	20.23	20.09								
5	84QAM	12	0	20.36	20.39	20.28								
5	84QAM	12	7	20.38	20.46	20.23	21.3	0						
5	84QAM	12	13	20.34	20.33	20.21								
5	84QAM	25	0	20.29	20.31	20.16								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.24	20.33	20.14	21.3	0						
3	QPSK	1	8	20.34	20.48	20.23								
3	QPSK	1	14	20.22	20.19	20.14								
3	QPSK	8	0	20.38	20.43	20.31	21.3	0						
3	QPSK	8	7	20.33	20.35	20.25								
3	QPSK	15	0	20.35	20.36	20.21								
3	16QAM	1	0	20.30	20.29	20.17	21.3	0						
3	16QAM	1	8	20.27	20.34	20.14								
3	16QAM	1	14	20.16	20.16	20.10								
3	16QAM	8	0	20.37	20.43	20.29	21.3	0						
3	16QAM	8	4	20.41	20.40	20.33								
3	16QAM	8	7	20.35	20.32	20.24								
3	16QAM	15	0	20.34	20.36	20.24	21.3	0						
3	84QAM	1	0	20.19	20.34	20.15								
3	84QAM	1	8	20.26	20.33	20.08								
3	84QAM	1	14	20.09	20.17	20.06	21.3	0						
3	84QAM	8	0	20.35	20.36	20.28								
3	84QAM	8	4	20.34	20.40	20.21								
3	84QAM	8	7	20.37	20.35	20.20	21.3	0						
3	84QAM	15	0	20.38	20.31	20.20								
3	84QAM	15	0	20.35	20.38	20.16								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.27	20.37	20.18	21.3	0						
1.4	QPSK	1	3	20.38	20.45	20.26								
1.4	QPSK	1	6	20.22	20.24	20.14								
1.4	QPSK	3	0	20.36	20.45	20.31	21.3	0						
1.4	QPSK	3	1	20.39	20.37	20.30								
1.4	QPSK	3	3	20.37	20.36	20.24								
1.4	QPSK	6	0	20.37	20.37	20.24	21.3	0						
1.4	16QAM	1	0	20.25	20.27	20.11								
1.4	16QAM	1	3	20.35	20.39	20.17								
1.4	16QAM	1	5	20.15	20.17	20.11	21.3	0						
1.4	16QAM	3	0	20.36	20.43	20.27								
1.4	16QAM	3	1	20.42	20.35	20.28								
1.4	16QAM	3	3	20.37	20.36	20.19	21.3	0						
1.4	16QAM	6	0	20.34	20.39	20.25								
1.4	16QAM	6	1	20.23	20.29	20.15								
1.4	84QAM	1	0	20.23	20.29	20.11	21.3	0						
1.4	84QAM	1	5	20.11	20.20	20.11								
1.4	84QAM	3	0	20.31	20.38	20.27								
1.4	84QAM	3	1	20.41	20.43	20.21	21.3	0						
1.4	84QAM	6	0	20.38	20.41	20.21								
1.4	84QAM	6	0	20.33	20.31	20.17								

Band 7 ANT 0_DS17											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20650	21050	21350					
Frequency (MHz)				20650	20655	20660					
20	QPSK	1	0	22.02	22.05	22.08	22.6	0			
20	QPSK	1	49	22.21	22.32	22.24					
20	QPSK	1	99	22.02	22.21	22.21					
20	QPSK	50	0	22.14	22.23	22.20	22.6	0			
20	QPSK	50	24	22.14	22.18	22.17					
20	QPSK	50	50	22.19	22.20	22.16					
20	QPSK	100	0	22.19	22.21	22.20	22.6	0			
20	16QAM	1	0	22.14	22.23	22.19					
20	16QAM	1	49	22.18	22.21	22.22					
20	16QAM	1	99	22.14	22.21	22.23	22.6	0			
20	16QAM	50	0	20.90	21.25	21.16					
20	16QAM	50	24	21.12	21.20	21.19					
20	16QAM	50	50	21.20	21.15	21.22	21.6	1			
20	16QAM	100	0	21.10	21.21	21.25					
20	64QAM	1	0	21.05	21.24	21.14					
20	64QAM	1	49	21.18	21.18	21.32	21.6	1			
20	64QAM	1	99	21.14	21.06	21.30					
20	64QAM	50	0	19.99	20.09	20.15					
20	64QAM	50	24	20.17	20.11	20.24	20.6	2			
20	64QAM	50	50	20.13	20.09	20.14					
20	64QAM	100	0	20.05	20.08	20.11					
Channel				20625	21050	21375					
Frequency (MHz)				20625	20635	20645	Tune-up limit (dBm)		MPR (dB)		
15	QPSK	1	0	22.01	22.04	22.04	22.6	0			
15	QPSK	1	37	22.11	22.23	22.16					
15	QPSK	1	74	21.99	22.13	22.11					
15	QPSK	36	0	22.08	22.20	22.14	22.6	0			
15	QPSK	36	20	22.06	22.14	22.14					
15	QPSK	36	39	22.15	22.15	22.11					
15	QPSK	75	0	22.16	22.13	22.16	22.6	0			
15	16QAM	1	0	22.11	22.14	22.11					
15	16QAM	1	37	22.12	22.18	22.19					
15	16QAM	1	74	22.08	22.18	22.16	21.6	1			
15	16QAM	36	0	20.92	21.21	21.08					
15	16QAM	36	20	21.08	21.16	21.15					
15	16QAM	36	39	21.16	21.10	21.19	21.6	1			
15	16QAM	75	0	21.06	21.15	21.17					
15	64QAM	1	0	21.02	21.17	21.05					
15	64QAM	1	37	21.12	21.11	21.25	21.6	1			
15	64QAM	1	74	21.05	21.02	21.25					
15	64QAM	36	0	19.94	20.05	20.05					
15	64QAM	36	20	20.09	20.06	20.19	20.6	2			
15	64QAM	36	39	20.08	20.05	20.04					
15	64QAM	75	0	19.97	19.93	20.14					
Channel				20800	21050	21400					
Frequency (MHz)				20800	20805	20810	Tune-up limit (dBm)		MPR (dB)		
10	QPSK	1	0	22.01	22.02	22.04	22.6	0			
10	QPSK	1	25	22.15	22.28	22.14					
10	QPSK	1	49	21.93	22.18	22.13					
10	QPSK	25	0	22.07	22.17	22.14	22.6	0			
10	QPSK	25	12	22.04	22.10	22.09					
10	QPSK	25	25	22.16	22.13	22.12					
10	QPSK	50	0	22.09	22.13	22.13	22.6	0			
10	16QAM	1	0	22.07	22.18	22.12					
10	16QAM	1	25	22.10	22.13	22.14					
10	16QAM	1	49	22.09	22.15	22.15	21.6	1			
10	16QAM	25	0	20.91	21.18	21.06					
10	16QAM	25	12	21.06	21.15	21.12					
10	16QAM	25	25	21.13	21.06	21.14	21.6	1			
10	16QAM	50	0	21.01	21.18	21.22					
10	64QAM	1	0	20.98	21.14	21.11					
10	64QAM	1	25	21.15	21.14	21.28	21.6	1			
10	64QAM	1	49	21.08	20.99	21.28					
10	64QAM	25	0	19.92	20.04	20.08					
10	64QAM	25	12	20.13	20.05	20.20	20.6	2			
10	64QAM	25	25	20.05	20.01	20.04					
10	64QAM	50	0	20.00	19.90	20.14					
Channel				20775	21050	21425					
Frequency (MHz)				20775	20785	20795	Tune-up limit (dBm)		MPR (dB)		
5	QPSK	1	0	21.97	22.00	22.07	22.6	0			
5	QPSK	1	12	22.18	22.23	22.20					
5	QPSK	1	24	21.94	22.12	22.14					
5	QPSK	12	0	22.05	22.16	22.17	22.6	0			
5	QPSK	12	7	22.09	22.11	22.09					
5	QPSK	12	13	22.10	22.12	22.11					
5	QPSK	25	0	22.12	22.12	22.10	22.6	0			
5	16QAM	1	0	22.05	22.18	22.11					
5	16QAM	1	12	22.09	22.13	22.15					
5	16QAM	1	24	22.06	22.17	22.20	21.6	1			
5	16QAM	12	0	20.90	21.20	21.10					
5	16QAM	12	7	21.08	21.17	21.09					
5	16QAM	12	13	21.16	21.12	21.17	21.6	1			
5	16QAM	25	0	21.06	21.18	21.16					
5	64QAM	1	0	21.02	21.14	21.05					
5	64QAM	1	12	21.10	21.11	21.29	21.6	1			
5	64QAM	1	24	21.09	20.98	21.23					
5	64QAM	12	0	19.89	20.04	20.10					
5	64QAM	12	7	20.07	20.05	20.17	20.6	2			
5	64QAM	12	13	20.04	20.04	20.05					
5	64QAM	25	0	19.95	19.90	20.12					

Band 12 ANT 0_DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2900	2905	2910				
Frequency (MHz)				707.5	707.5	711.5				
10	QPSK	1	0	23.85	23.88	23.80	24.8	0		
10	QPSK	1	25	23.88	23.91	23.85				
10	QPSK	1	49	23.83	23.85	23.81				
10	QPSK	25	0	22.90	22.92	22.79	23.8	1		
10	QPSK	25	12	22.88	22.89	22.70				
10	QPSK	25	25	22.85	22.88	22.71				
10	QPSK	50	0	22.85	22.89	22.81	23.8	1		
10	16QAM	1	0	23.06	22.87	23.16				
10	16QAM	1	25	22.85	23.24	23.03				
10	16QAM	1	49	23.05	22.81	23.02	22.8	2		
10	16QAM	25	0	21.87	21.76	21.83				
10	16QAM	25	12	22.02	21.70	21.89				
10	16QAM	25	25	21.89	21.67	21.78	22.8	2		
10	16QAM	50	0	21.85	21.70	21.79				
10	64QAM	1	0	22.16	21.75	21.69				
10	64QAM	1	25	22.16	21.76	21.65	22.8	2		
10	64QAM	1	49	22.16	21.76	21.66				
10	64QAM	25	0	21.01	20.98	20.81				
10	64QAM	25	12	20.97	20.87	20.73	21.8	3		
10	64QAM	25	25	20.97	20.72	20.75				
10	64QAM	50	0	20.94	20.74	20.75				
Channel				2905	2905	2915				
Frequency (MHz)				707.5	707.5	715.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.78	23.79	23.66	24.8	0		
5	QPSK	1	12	23.88	23.84	23.75				
5	QPSK	1	24	23.77	23.84	23.84				
5	QPSK	12	0	22.96	22.96	22.94	23.8	1		
5	QPSK	12	7	22.93	22.92	22.92				
5	QPSK	12	13	22.97	22.90	22.91				
5	QPSK	25	0	22.93	22.88	22.92	22.8	2		
5	16QAM	1	0	23.55	23.49	23.01				
5	16QAM	1	12	23.09	23.19	22.87				
5	16QAM	1	24	23.53	23.48	23.27	22.8	2		
5	16QAM	12	0	21.99	21.94	21.95				
5	16QAM	12	7	21.91	21.83	21.87				
5	16QAM	12	13	21.94	21.89	21.85	22.8	2		
5	16QAM	25	0	22.00	21.86	21.91				
5	64QAM	1	0	22.19	22.03	22.10				
5	64QAM	1	12	22.25	22.02	21.94	22.8	2		
5	64QAM	1	24	22.16	22.18	22.08				
5	64QAM	12	0	20.99	20.98	20.94				
5	64QAM	12	7	20.96	21.02	20.92	21.8	3		
5	64QAM	12	13	20.95	20.99	20.92				
5	64QAM	25	0	20.95	20.79	20.80				
Channel				2905	2905	2915				
Frequency (MHz)				707.5	707.5	715.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.79	23.78	23.73	24.8	0		
3	QPSK	1	8	23.83	23.72	23.70				
3	QPSK	1	14	23.90	23.62	23.77				
3	QPSK	8	0	22.97	22.94	22.91	23.8	1		
3	QPSK	8	4	23.00	22.89	22.82				
3	QPSK	8	7	22.94	22.73	22.94				
3	QPSK	16	0	22.95	22.85	22.87	23.8	1		
3	16QAM	1	0	23.50	23.93	23.48				
3	16QAM	1	8	23.24	23.48	22.99				
3	16QAM	1	14	23.32	23.19	23.06	22.8	2		
3	16QAM	8	0	21.89	21.94	21.84				
3	16QAM	8	7	22.05	21.88	22.01				
3	16QAM	8	7	22.05	21.91	21.95	22.8	2		
3	16QAM	16	0	21.96	21.87	21.84				
3	64QAM	1	0	22.45	21.77	22.04				
3	64QAM	1	8	21.77	22.19	21.77	22.8	2		
3	64QAM	1	14	22.09	22.01	22.11				
3	64QAM	8	0	20.97	20.99	20.99				
3	64QAM	8	4	20.91	20.91	20.99	21.8	3		
3	64QAM	8	7	20.83	20.87	20.95				
3	64QAM	15	0	20.91	20.88	20.89				
Channel				2907	2905	2917.3				
Frequency (MHz)				699.7 <th>707.5</th> <th>715.3</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	707.5	715.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.78	23.69	23.58	24.8	0		
1.4	QPSK	1	3	23.79	23.72	23.70				
1.4	QPSK	1	5	23.90	23.56	23.86				
1.4	QPSK	3	0	23.74	23.77	23.75	23.8	0		
1.4	QPSK	3	1	23.75	23.76	23.81				
1.4	QPSK	3	3	23.87	23.72	23.85				
1.4	QPSK	6	0	22.96	22.94	22.94	23.8	1		
1.4	16QAM	1	0	22.94	23.15	22.90				
1.4	16QAM	1	3	23.16	22.76	23.08				
1.4	16QAM	1	5	23.26	23.47	23.22	23.8	1		
1.4	16QAM	3	0	22.93	22.93	22.95				
1.4	16QAM	3	1	22.89	23.00	22.78				
1.4	16QAM	3	3	22.92	22.93	23.01	22.8	2		
1.4	16QAM	6	0	21.89	21.93	21.96				
1.4	64QAM	1	0	21.83	22.21	22.24				
1.4	64QAM	1	3	22.35	22.14	22.34	22.8	2		
1.4	64QAM	1	5	22.51	22.10	21.73				
1.4	64QAM	3	0	22.14	22.02	21.87				
1.4	64QAM	3	1	21.98	22.03	22.18	22.8	2		
1.4	64QAM	3	3	22.10	22.06	22.15				
1.4	64QAM	6	0	20.91	20.84	20.78				

Band 17 ANT 0_DS17											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23760	23790	23800					
Frequency (MHz)				70.65	71.0	71.1					
10	QPSK	1	0	23.67	23.77	23.71	24.8	0			
10	QPSK	1	25	23.78	23.87	23.80					
10	QPSK	1	49	23.76	23.81	23.79					
10	QPSK	25	0	22.74	22.80	22.76	23.8	1			
10	QPSK	25	12	22.71	22.74	22.72					
10	QPSK	25	25	22.69	22.71	22.70					
10	QPSK	50	0	22.70	22.77	22.75	23.8	1			
10	16QAM	1	0	23.36	22.85	22.75					
10	16QAM	1	25	23.39	23.28	22.77					
10	16QAM	1	49	23.16	23.26	22.78	22.8	2			
10	16QAM	25	0	21.86	21.74	21.76					
10	16QAM	25	12	21.88	21.69	21.71					
10	16QAM	25	25	21.80	21.68	21.73	22.8	2			
10	16QAM	50	0	21.87	21.68	21.71					
10	64QAM	1	0	21.51	21.89	21.54					
10	64QAM	1	25	22.13	22.06	21.71	22.8	2			
10	64QAM	1	49	22.05	21.98	21.77					
10	64QAM	25	0	20.74	20.67	20.70					
10	64QAM	25	12	20.82	20.71	20.70	21.8	3			
10	64QAM	25	25	20.79	20.68	20.70					
10	64QAM	50	0	20.78	20.73	20.75					
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				706.5	710	713.5					
5	QPSK	1	0	23.66	23.74	23.81	24.8	0			
5	QPSK	1	12	23.65	23.75	23.86					
5	QPSK	1	24	23.79	23.78	23.81					
5	QPSK	12	0	22.86	22.87	22.81	23.8	1			
5	QPSK	12	7	22.86	22.80	22.85					
5	QPSK	12	13	22.86	22.81	22.80					
5	QPSK	25	0	22.81	22.81	22.77	23.8	1			
5	16QAM	1	0	22.83	22.85	23.53					
5	16QAM	1	12	22.99	23.59	23.04					
5	16QAM	1	24	23.48	23.41	22.92	22.8	2			
5	16QAM	12	0	21.79	21.88	21.85					
5	16QAM	12	7	21.83	21.81	21.91					
5	16QAM	12	13	21.90	21.85	21.86	22.8	2			
5	16QAM	25	0	21.92	21.77	21.81					
5	64QAM	1	0	21.82	22.09	22.04					
5	64QAM	1	12	22.37	22.19	22.36	22.8	2			
5	64QAM	1	24	22.21	21.94	21.80					
5	64QAM	12	0	20.90	20.84	20.78					
5	64QAM	12	7	20.91	20.81	20.89	21.8	3			
5	64QAM	12	13	20.75	20.88	20.85					
5	64QAM	25	0	20.78	20.81	20.98					

Band 25 ANT 0_DS17																			
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.			Tune-up limit (dBm)	MPR (dB)											
				18600	18630	18650													
Channel																			
Frequency (MHz)																			
20	QPSK	1	0	20.41	20.51	20.35	21.3	0											
20	QPSK	1	49	20.53	20.60	20.41													
20	QPSK	1	99	20.30	20.32	20.31													
20	QPSK	50	0	20.57	20.59	20.48	21.3	0											
20	QPSK	50	24	20.49	20.48	20.47													
20	QPSK	50	50	20.45	20.49	20.43													
20	QPSK	100	0	20.45	20.46	20.43	21.3	0											
20	16QAM	1	0	20.33	20.40	20.18													
20	16QAM	1	49	20.35	20.46	20.38													
20	16QAM	1	99	20.33	20.40	20.28	21.3	0											
20	16QAM	50	0	20.45	20.55	20.32													
20	16QAM	50	24	20.45	20.47	20.33													
20	16QAM	50	50	20.48	20.45	20.45	21.3	0											
20	16QAM	100	0	20.46	20.50	20.43													
20	64QAM	1	0	20.25	20.33	20.21	21.3	0											
20	64QAM	1	49	20.35	20.36	20.35													
20	64QAM	1	99	20.07	20.32	20.18													
20	64QAM	50	0	20.23	20.33	20.14	21.3	0											
20	64QAM	50	24	20.32	20.39	20.39													
20	64QAM	50	50	20.13	20.33	20.25													
20	64QAM	100	0	20.20	20.37	20.27	21.3	0											
Channel																			
Frequency (MHz)																			
15	QPSK	1	0	20.39	20.47	20.37	21.3	0											
15	QPSK	1	37	20.48	20.50	20.34													
15	QPSK	1	74	20.26	20.26	20.28													
15	QPSK	36	0	20.48	20.51	20.43	21.3	0											
15	QPSK	36	20	20.40	20.51	20.39													
15	QPSK	36	39	20.36	20.40	20.40													
15	QPSK	75	0	20.37	20.36	20.34	21.3	0											
15	16QAM	1	0	20.30	20.31	20.09													
15	16QAM	1	37	20.31	20.36	20.33													
15	16QAM	1	74	20.29	20.37	20.25	21.3	0											
15	16QAM	36	0	20.37	20.46	20.22													
15	16QAM	36	20	20.40	20.40	20.29													
15	16QAM	36	39	20.45	20.37	20.38	21.3	0											
15	16QAM	75	0	20.40	20.42	20.31													
15	64QAM	1	0	20.18	20.27	20.18	21.3	0											
15	64QAM	1	37	20.36	20.36	20.37													
15	64QAM	1	74	20.01	20.23	20.15													
15	64QAM	36	0	20.14	20.28	20.05	21.3	0											
15	64QAM	36	20	20.23	20.31	20.36													
15	64QAM	36	39	20.10	20.25	20.21													
15	64QAM	75	0	20.20	20.37	20.27	21.3	0											
Channel																			
Frequency (MHz)																			
10	QPSK	1	0	20.40	20.46	20.33	21.3	0											
10	QPSK	1	25	20.50	20.53	20.33													
10	QPSK	1	49	20.26	20.22	20.27													
10	QPSK	25	0	20.48	20.55	20.44	21.3	0											
10	QPSK	25	12	20.43	20.51	20.42													
10	QPSK	25	25	20.41	20.44	20.39													

Band 66 ANT 0_DSI7												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				132047	132322	132697						
Frequency (MHz)				17070	17455	17770						
20	QPSK	1	0	19.52	19.55	19.47	20.3	0				
20	QPSK	1	49	19.62	19.64	19.53						
20	QPSK	1	99	19.37	19.32	19.39						
20	QPSK	50	0	19.47	19.55	19.53						
20	QPSK	50	24	19.51	19.51	19.49	20.3	0				
20	QPSK	50	50	19.48	19.49	19.54						
20	QPSK	100	0	19.42	19.50	19.46						
20	16QAM	1	0	19.22	19.31	19.28						
20	16QAM	1	49	19.33	19.38	19.23	20.3	0				
20	16QAM	1	99	19.19	18.97	19.11						
20	16QAM	50	0	19.50	19.57	19.80						
20	16QAM	50	24	19.52	19.49	19.56						
20	16QAM	50	50	19.50	19.50	19.56	20.3	0				
20	16QAM	100	0	19.53	19.45	19.42						
20	64QAM	1	0	19.36	19.31	19.29						
20	64QAM	1	49	19.41	19.28	19.44						
20	64QAM	1	99	19.25	19.05	19.09	20.3	0				
20	64QAM	50	0	19.44	19.58	19.58						
20	64QAM	50	24	19.60	19.58	19.54						
20	64QAM	50	50	19.54	19.53	19.56						
20	64QAM	100	0	19.47	19.50	19.41						
Channel				132047	132322	132697	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	19.50	19.54	19.46	20.3	0				
15	QPSK	1	37	19.60	19.57	19.48						
15	QPSK	1	74	19.30	19.27	19.34						
15	QPSK	36	0	19.39	19.47	19.50						
15	QPSK	36	20	19.46	19.41	19.43	20.3	0				
15	QPSK	36	39	19.43	19.42	19.47						
15	QPSK	75	0	19.38	19.47	19.41						
15	16QAM	1	0	19.17	19.28	19.21						
15	16QAM	1	37	19.24	19.33	19.16	20.3	0				
15	16QAM	1	74	19.12	18.94	19.06						
15	16QAM	36	0	19.43	19.54	19.53						
15	16QAM	36	20	19.47	19.46	19.44						
15	16QAM	36	39	19.42	19.49	19.48	20.3	0				
15	16QAM	75	0	19.49	19.36	19.38						
15	64QAM	1	0	19.33	19.23	19.24						
15	64QAM	1	37	19.33	19.20	19.38						
15	64QAM	1	74	19.20	19.02	19.03	20.3	0				
15	64QAM	36	0	19.35	19.53	19.54						
15	64QAM	36	20	19.51	19.51	19.48						
15	64QAM	36	39	19.45	19.45	19.48						
15	64QAM	75	0	19.38	19.43	19.36						
Channel				132022	132322	132697	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1715	1745	1775						
10	QPSK	1	0	19.51	19.51	19.42	20.3	0				
10	QPSK	1	25	19.54	19.56	19.46						
10	QPSK	1	49	19.29	19.24	19.35						
10	QPSK	25	0	19.37	19.50	19.48						
10	QPSK	25	12	19.42	19.44	19.46	20.3	0				
10	QPSK	25	25	19.44	19.44	19.46						
10	QPSK	50	0	19.34	19.43	19.43						
10	16QAM	1	0	19.19	19.26	19.18						
10	16QAM	1	25	19.24	19.30	19.20	20.3	0				
10	16QAM	1	49	19.12	18.91	19.06						
10	16QAM	25	0	19.43	19.50	19.55						
10	16QAM	25	12	19.43	19.40	19.43						
10	16QAM	25	25	19.40	19.50	19.51	20.3	0				
10	16QAM	50	0	19.43	19.36	19.38						
10	64QAM	1	0	19.26	19.26	19.26						
10	64QAM	1	25	19.35	19.20	19.39						
10	64QAM	1	49	19.20	18.96	19.00	20.3	0				
10	64QAM	25	0	19.41	19.51	19.55						
10	64QAM	25	12	19.50	19.51	19.46						
10	64QAM	25	25	19.44	19.47	19.51						
10	64QAM	50	0	19.40	19.41	19.33						
Channel				131597	132322	132697	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1712.5 <th>1745</th> <th>1777.5</th> <th></th> <th></th> <th colspan="2"></th>	1745	1777.5						
5	QPSK	1	0	19.51	19.54	19.44	20.3	0				
5	QPSK	1	12	19.60	19.57	19.50						
5	QPSK	1	24	19.33	19.26	19.29						
5	QPSK	12	0	19.42	19.52	19.49						
5	QPSK	12	7	19.47	19.47	19.39	20.3	0				
5	QPSK	12	13	19.43	19.45	19.49						
5	QPSK	25	0	19.37	19.41	19.38						
5	16QAM	1	0	19.15	19.28	19.21						
5	16QAM	1	12	19.27	19.28	19.15	20.3	0				
5	16QAM	1	24	19.14	18.93	19.05						
5	16QAM	12	0	19.41	19.51	19.53						
5	16QAM	12	7	19.44	19.44	19.46						
5	16QAM	12	13	19.41	19.46	19.51	20.3	0				
5	16QAM	25	0	19.46	19.41	19.35						
5	64QAM	1	0	19.26	19.26	19.23						
5	64QAM	1	12	19.37	19.23	19.35						
5	64QAM	1	24	19.17	19.01	19.03	20.3	0				
5	64QAM	12	0	19.39	19.49	19.53						
5	64QAM	12	7	19.51	19.50	19.44						
5	64QAM	12	13	19.48	19.49	19.46						
5	64QAM	25	0	19.40	19.40	19.35						
Channel				131597	132322	132697	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1711.5	1745	1779.5						
3	QPSK	1	0	19.47	19.53	19.42	20.3	0				
3	QPSK	1	8	19.56	19.57	19.49						
3	QPSK	1	14	19.30	19.27	19.29						
3	QPSK	8	0	19.38	19.51	19.47						
3	QPSK	8	4	19.48	19.42	19.45	20.3	0				
3	QPSK	8	7	19.41	19.43	19.47						
3	QPSK	15	0	19.39	19.41	19.40						
3	16QAM	1	0	19.13	19.24	19.25						
3	16QAM	1	8	19.30	19.32	19.19	20.3	0				
3	16QAM	1	14	19.14	18.99	19.08						
3	16QAM	8	0	19.47	19.49	19.52						
3	16QAM	8	4	19.42	19.40	19.48						
3	16QAM	8	7	19.43	19.47	19.49	20.3	0				
3	16QAM	15	0	19.49	19.42	19.37						
3	64QAM	1	0	19.32	19.27	19.26						
3	64QAM	1	8	19.35	19.23	19.39						
3	64QAM	1	14	19.18	18.98	19.02	20.3	0				
3	64QAM	8	0	19.41	19.53	19.51						
3	64QAM	8	4	19.52	19.48	19.44						
3	64QAM	8	7	19.48	19.48	19.49						
3	64QAM	15	0	19.41	19.45	19.32	20.3	0				
Channel				131597	132322	132695			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7 <th>1745</th> <th>1779.3<th></th><th></th><th colspan="2"></th></th>	1745	1779.3 <th></th> <th></th> <th colspan="2"></th>						
1.4	QPSK	1	0	19.47	19.50	19.44			20.3	0		
1.4	QPSK	1	8	19.56	19.57	19.48						
1.4	QPSK	1	5	19.28	19.29	19.35						
1.4	QPSK	3	0	19.42	19.48	19.48						
1.4	QPSK	3	1	19.45	19.42	19.46	20.3	0				
1.4	QPSK	3	3	19.43	19.39	19.47						
1.4	QPSK	6	0	19.33	19.44	19.36						
1.4	16QAM	1	0	19.14	19.24	19.25						
1.4	16QAM	3	0	19.25	19.29	19.15	20.3	0				
1.4	16QAM	1	5	19.15	18.88	19.05						
1.4	16QAM	3	0	19.41	19.54	19.55						
1.4	16QAM	3	1	19.42	19.44	19.44						
1.4	16QAM	3	1	19.43	19.45	19.46	20.3	0				
1.4	16QAM	6	0	19.44	19.43	19.36						
1.4	16QAM	6	1	19.45	19.48	19.50						
1.4	64QAM	1	0	19.32	19.26	19.26						
1.4	64QAM	1	3	19.35	19.23	19.34	20.3	0				
1.4	64QAM	1	5	19.16	18.95	18.99						
1.4	64QAM	3	0	19.39	19.51	19.59						
1.4	64QAM	3	3	19.48	19.45	19.47						
1.4	64QAM	6	0	19.38	19.43	19.36	20.3	0				

Band 38 ANT 0_DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.18	23.21	23.18	23.8	0		
20	QPSK	1	49	23.22	23.35	23.34				
20	QPSK	1	99	23.30	23.30	23.30				
20	QPSK	50	0	22.23	22.27	22.26	22.8	1		
20	QPSK	50	24	22.21	22.25	22.23				
20	QPSK	50	50	22.18	22.23	22.21				
20	QPSK	100	0	22.16	22.18	22.18	22.8	1		
20	16QAM	1	0	22.22	22.21	22.23				
20	16QAM	1	49	22.36	22.42	22.40				
20	16QAM	1	99	22.42	22.40	22.34	21.8	2		
20	16QAM	50	0	21.12	21.18	21.15				
20	16QAM	50	24	21.19	21.19	21.26				
20	16QAM	50	50	21.25	21.30	21.26	21.8	2		
20	16QAM	100	0	21.23	21.32	21.28				
20	16QAM	1	0	20.84	20.86	20.90				
20	64QAM	1	49	21.00	21.02	21.07	20.8	3		
20	64QAM	1	99	21.07	21.03	21.05				
20	64QAM	50	0	20.13	20.19	20.22				
20	64QAM	50	24	20.22	20.20	20.25	20.8	3		
20	64QAM	50	50	20.19	20.31	20.28				
20	64QAM	100	0	20.16	20.21	20.28				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.17	23.24	23.23	23.8	0		
15	QPSK	1	37	23.27	23.31	23.33				
15	QPSK	1	74	23.30	23.31	23.34				
15	QPSK	36	0	22.28	22.35	22.30	22.8	1		
15	QPSK	36	20	22.32	22.37	22.36				
15	QPSK	36	39	22.37	22.37	22.38				
15	QPSK	75	0	22.33	22.35	22.36	22.8	1		
15	16QAM	1	0	22.34	22.42	22.39				
15	16QAM	1	37	22.46	22.50	22.48				
15	16QAM	1	74	21.73	21.69	21.72	21.8	2		
15	16QAM	36	0	21.27	21.36	21.37				
15	16QAM	36	20	21.32	21.36	21.37				
15	16QAM	36	39	21.33	21.38	21.37	21.8	2		
15	16QAM	75	0	21.36	21.41	21.38				
15	64QAM	1	0	21.03	21.09	21.06				
15	64QAM	1	37	21.12	21.19	21.20	20.8	3		
15	64QAM	1	74	21.13	21.14	21.15				
15	64QAM	36	0	20.35	20.37	20.36				
15	64QAM	36	20	20.36	20.39	20.39	20.8	3		
15	64QAM	36	39	20.33	20.39	20.40				
15	64QAM	75	0	20.34	20.39	20.36				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.19	23.27	23.26	23.8	0		
10	QPSK	1	25	23.24	23.29	23.33				
10	QPSK	1	49	23.26	23.27	23.35				
10	QPSK	25	0	22.35	22.43	22.42	22.8	1		
10	QPSK	25	12	22.34	22.41	22.42				
10	QPSK	25	25	22.35	22.42	22.48				
10	16QAM	1	0	22.39	22.48	22.45	22.8	1		
10	16QAM	1	25	22.43	22.51	22.63				
10	16QAM	1	49	22.44	22.47	22.50				
10	16QAM	25	0	21.36	21.44	21.46	21.8	2		
10	16QAM	25	12	21.35	21.40	21.47				
10	16QAM	25	25	21.39	21.41	21.45				
10	16QAM	50	0	21.37	21.45	21.44	21.8	2		
10	16QAM	50	0	21.08	21.13	21.16				
10	64QAM	1	25	21.10	21.18	21.22				
10	64QAM	1	49	21.10	21.13	21.16	20.8	3		
10	64QAM	25	0	20.37	20.45	20.48				
10	64QAM	25	12	20.38	20.43	20.48				
10	64QAM	25	25	20.40	20.46	20.48	20.8	3		
10	64QAM	50	0	20.39	20.43	20.40				
10	64QAM	50	0	20.39	20.44	20.48				

Band 41 ANT 0_DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.41	22.39	22.48	23.8	0		
20	QPSK	1	49	22.49	22.45	22.59				
20	QPSK	1	99	22.43	22.40	22.58				
20	QPSK	50	0	21.54	21.53	21.50	22.8	1		
20	QPSK	50	24	21.59	21.49	21.60				
20	QPSK	50	50	21.51	21.41	21.53				
20	QPSK	100	0	21.57	21.49	21.57	22.8	1		
20	16QAM	1	0	21.54	21.46	21.48				
20	16QAM	1	49	21.69	21.63	21.76				
20	16QAM	1	99	21.69	21.67	21.62	21.8	2		
20	16QAM	50	0	20.45	20.37	20.36				
20	16QAM	50	24	20.45	20.53	20.49				
20	16QAM	50	50	20.54	20.57	20.60	21.8	2		
20	16QAM	100	0	20.56	20.47	20.71				
20	64QAM	1	0	20.22	20.14	20.21				
20	64QAM	1	49	20.33	20.33	20.44	21.8	2		
20	64QAM	1	99	20.31	20.29	20.45				
20	64QAM	50	0	19.47	19.37	19.42				
20	64QAM	50	24	19.54	19.45	19.56	20.8	3		
20	64QAM	50	50	19.55	19.56	19.57				
20	64QAM	100	0	19.52	19.42	19.61				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.46	22.47	22.46	23.8	0		
15	QPSK	1	37	22.54	22.44	22.53				
15	QPSK	1	74	22.45	22.55	22.54				
15	QPSK	36	0	21.56	21.66	21.61	22.8	1		
15	QPSK	36	20	21.68	21.59	21.63				
15	QPSK	36	39	21.60	21.62	21.69				
15	QPSK	75	0	21.68	21.57	21.60	22.8	1		
15	16QAM	1	0	21.64	21.60	21.68				
15	16QAM	1	37	21.72	21.68	21.76				
15	16QAM	1	74	21.73	21.65	21.79	21.8	2		
15	16QAM	36	0	20.88	20.81	20.98				
15	16QAM	36	20	20.67	20.60	20.67				
15	16QAM	36	39	20.50	20.65	20.63	21.8	2		
15	16QAM	75	0	20.55	20.70	20.77				
15	64QAM	1	0	20.63	20.35	20.39				
15	64QAM	1	37	20.59	20.46	20.53	21.8	2		
15	64QAM	1	74	20.38	20.39	20.48				
15	64QAM	36	0	19.47	19.64	19.70				
15	64QAM	36	20	19.35	19.63	19.74	20.8	3		
15	64QAM	36	39	19.54	19.54	19.65				
15	64QAM	75	0	19.54	19.64	19.76				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.43	22.38	22.56	23.8	0		
10	QPSK	1	25	22.55	22.57	22.51				
10	QPSK	1	49	22.48	22.55	22.53				
10	QPSK	25	0	21.73	21.65	21.79	22.8	1		
10	QPSK	25	12	21.59	21.59	21.70				
10	QPSK	25	25	21.72	21.62	21.81				
10	QPSK	50	0	21.67	21.72	21.83	22.8	1		
10	16QAM	1	0	21.81	21.64	21.83				
10	16QAM	1	25	21.76	21.76	21.88				
10	16QAM	1	49	21.67	21.77	21.81	21.8	2		
10	16QAM	25	0	20.64	20.64	20.82				
10	16QAM	25	12	20.64	20.67	20.69				
10	16QAM	25	25	20.65	20.63	20.81	21.8	2		
10	16QAM	50	0	20.77	20.70	20.75				
10	16QAM	50	0	20.34	20.33	20.43				
10	64QAM	1	25	20.38	20.47	20.53	21.8	2		
10	64QAM	1	49	20.39	20.42	20.52				
10	64QAM	25	0	19.65	19.70	19.72				
10	64QAM	25	12	19.68	19.67	19.75	20.8	3		
10	64QAM	25	25	19.74	19.65	19.80				
10	64QAM	50	0	19.65	19.58	19.67				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.38	22.53	22.56	23.8	0		

Conducted Power for DSI4&DSI9

GSM850 ANT 0_DSI4&9	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.07	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.58	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.84	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 ANT 0_DSH&9	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.28	30.36	30.39	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.68	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band	WCDMA II ANT 0_DSH&9			Tune-up Limit (dBm)	WCDMA IV ANT 0_DSH&9			Tune-up Limit (dBm)	WCDMA V ANT 0_DSH&9			Tune-up Limit (dBm)
	9282	9406	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1637	1638	1738		4367	4407	4458	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.80	23.82	23.81	24.60	23.81	23.85	23.83	24.60	23.90	23.91	23.78	24.80
3GPP Rel 99 RMC 12.2Kbps	23.83	23.85	23.83	24.60	23.82	23.86	23.84	24.60	23.91	23.93	23.79	24.80
3GPP Rel 6 HSDPA Subtest-1	22.78	22.75	22.76	23.60	22.66	22.72	22.75	23.60	22.89	22.84	22.76	23.80
3GPP Rel 6 HSDPA Subtest-2	22.78	22.73	22.74	23.60	22.66	22.70	22.75	23.60	22.87	22.85	22.72	23.80
3GPP Rel 6 HSDPA Subtest-3	22.31	22.30	22.28	22.60	22.23	22.25	22.27	22.60	22.41	22.40	22.25	23.30
3GPP Rel 6 HSDPA Subtest-4	22.28	22.26	22.25	22.60	22.17	22.21	22.22	22.60	22.39	22.32	22.23	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	22.78	22.66	22.56	23.60	22.48	22.67	22.67	23.60	22.72	22.73	22.63	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	22.58	22.72	22.55	23.60	22.50	22.59	22.72	23.60	22.89	22.67	22.70	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	22.29	22.13	22.26	22.60	22.07	22.16	22.25	22.60	22.41	22.26	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	22.28	22.24	22.19	22.60	22.06	22.16	22.07	22.60	22.29	22.27	22.03	23.30
3GPP Rel 6 HSUPA Subtest-1	21.25	21.22	21.24	21.60	21.13	21.22	21.22	21.60	21.36	21.31	21.20	21.80
3GPP Rel 6 HSUPA Subtest-2	19.76	19.71	19.73	20.60	19.64	19.67	19.70	20.60	19.71	19.66	19.65	20.80
3GPP Rel 6 HSUPA Subtest-3	20.77	20.74	20.74	21.60	20.67	20.70	20.70	21.60	20.84	20.82	20.68	21.80
3GPP Rel 6 HSUPA Subtest-4	20.26	20.26	20.23	21.10	20.15	20.19	20.18	21.10	20.34	20.32	20.17	21.30
3GPP Rel 6 HSUPA Subtest-5	22.80	22.70	22.70	23.60	22.68	22.70	22.71	23.60	22.90	22.80	22.70	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest	22.61	22.69	22.57	23.60	22.48	22.69	22.58	23.60	22.65	22.71	22.58	23.80



Band 2 ANT 0_DSI4&9												
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / 16700	Power Middle Ch. / 16900	Power High Ch. / 19100	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.42	23.46	23.33			24.3	0		
20	QPSK	1	49	23.50	23.54	23.39						
20	QPSK	1	99	23.31	23.34	23.30						
20	QPSK	50	0	22.55	22.56	22.49						
20	QPSK	50	24	22.49	22.50	22.43						
20	QPSK	50	50	22.45	22.46	22.40			23.3	1		
20	QPSK	100	0	22.52	22.53	22.39						
20	16QAM	1	0	22.58	22.65	22.29						
20	16QAM	1	49	22.71	22.70	22.41						
20	16QAM	1	99	22.76	22.53	22.40						
20	16QAM	50	0	21.52	21.51	21.40			22.3	2		
20	16QAM	50	24	21.54	21.59	21.39						
20	16QAM	50	50	21.54	21.44	21.35						
20	16QAM	100	0	21.46	21.38	21.29						
20	64QAM	1	0	21.52	21.75	21.48						
20	64QAM	1	49	21.55	21.77	21.69			22.3	2		
20	64QAM	1	99	21.33	21.68	21.43						
20	64QAM	50	0	20.53	20.53	20.38						
20	64QAM	50	24	20.49	20.54	20.42						
20	64QAM	50	50	20.41	20.45	20.32						
20	64QAM	100	0	20.47	20.48	20.32			21.3	3		
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.36	23.40	23.43			24.3	0		
15	QPSK	1	37	23.51	23.46	23.35						
15	QPSK	1	74	23.29	23.36	23.29						
15	QPSK	36	0	22.52	22.55	22.36						
15	QPSK	36	20	22.57	22.59	22.40						
15	QPSK	36	39	22.46	22.49	22.45			23.3	1		
15	QPSK	75	0	22.50	22.53	22.44						
15	16QAM	1	0	22.58	23.02	22.83						
15	16QAM	1	74	23.06	23.02	22.96						
15	16QAM	1	74	22.95	22.92	22.93						
15	16QAM	36	0	21.53	21.55	21.37			22.3	2		
15	16QAM	36	20	21.56	21.60	21.43						
15	16QAM	36	39	21.50	21.49	21.46						
15	16QAM	75	0	21.58	21.48	21.37						
15	64QAM	1	0	21.53	21.61	21.58						
15	64QAM	1	37	21.60	21.65	21.67			22.3	2		
15	64QAM	1	74	21.51	21.31	21.77						
15	64QAM	36	0	20.57	20.59	20.30						
15	64QAM	36	20	20.54	20.50	20.50						
15	64QAM	36	39	20.48	20.50	20.44						
15	64QAM	75	0	20.42	20.42	20.36			21.3	3		
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.31	23.49	23.41			24.3	0		
10	QPSK	1	25	23.50	23.50	23.41						
10	QPSK	1	49	23.37	23.42	23.31						
10	QPSK	25	0	22.55	22.56	22.54						
10	QPSK	25	12	22.54	22.52	22.47						
10	QPSK	25	25	22.56	22.51	22.47			23.3	1		
10	QPSK	50	0	22.59	22.58	22.53						
10	16QAM	1	0	22.75	23.06	22.88						
10	16QAM	1	25	22.60	22.66	22.91						
10	16QAM	1	49	22.56	22.78	22.50						
10	16QAM	25	0	21.50	21.60	21.44			22.3	2		
10	16QAM	25	12	21.64	21.56	21.45						
10	16QAM	25	25	21.59	21.42	21.39						
10	16QAM	50	0	21.60	21.53	21.45						
10	64QAM	1	0	21.46	21.81	21.24						
10	64QAM	1	25	21.61	21.81	21.60			22.3	2		
10	64QAM	1	49	21.70	21.86	21.71						
10	64QAM	25	0	20.55	20.66	20.46						
10	64QAM	25	12	20.52	20.56	20.40						
10	64QAM	25	25	20.53	20.52	20.43						
10	64QAM	50	0	20.59	20.62	20.41			21.3	3		
Channel												
Frequency (MHz)												
1807	QPSK	1	0	23.31	23.49	23.41			24.3	0		
1807	QPSK	1	25	23.50	23.50	23.41						
1807	QPSK	1	49	23.37	23.42	23.31						
1807	QPSK	25	0	22.55	22.56	22.54						
1807	QPSK	25	12	22.54	22.52	22.47						
1807	QPSK	25	25	22.56	22.51	22.47			23.3	1		
1807	QPSK	50	0	22.59	22.58	22.53						
1807	16QAM	1	0	22.75	23.06	22.88						
1807	16QAM	1	25	22.60	22.66	22.91						
1807	16QAM	1	49	22.56	22.78	22.50						
1807	16QAM	25	0	21.50	21.60	21.44			22.3	2		
1807	16QAM	25	12	21.64	21.56	21.45						
1807	16QAM	25	25	21.59	21.42	21.39						
1807	16QAM	50	0	21.60	21.53	21.45						
1807	64QAM	1	0	21.46	21.81	21.24						
1807	64QAM	1	25	21.61	21.81	21.60			22.3	2		
1807	64QAM	1	49	21.70	21.86	21.71						
1807	64QAM	25	0	20.55	20.66	20.46						
1807	64QAM	25	12	20.52	20.56	20.40						
1807	64QAM	25	25	20.53	20.52	20.43						
1807	64QAM	50	0	20.59	20.62	20.41			21.3	3		
Channel												
Frequency (MHz)												
1807	QPSK	1	0	23.31	23.49	23.41			24.3	0		
1807	QPSK	1	8	23.40	23.45	23.47						
1807	QPSK	1	14	23.40	23.45	23.44						
1807	QPSK	8	0	22.52	22.52	22.57						
1807	QPSK	8	4	22.56	22.50	22.57						
1807	QPSK	8	4	22.45	22.50	22.66			23.3	1		
1807	QPSK	15	0	22.46	22.55	22.60						
1807	16QAM	1	0	23.04	22.74	22.64						
1807	16QAM	1	8	22.38	22.75	23.07						
1807	16QAM	1	14	22.68	22.58	22.90						
1807	16QAM	8	0	21.53	21.69	21.57			22.3	2		
1807	16QAM	8	4	21.46	21.64	21.62						
1807	16QAM	8	7	21.51	21.49	21.74						
1807	16QAM	15	0	21.53	21.44	21.70						
1807	64QAM	1	0	21.52	21.59	21.78						
1807	64QAM	1	8	21.80	21.83	21.87			22.3	2		
1807	64QAM	1	14	21.54	21.78	21.88						
1807	64QAM	8	0	20.54	20.61	20.69						
1807	64QAM	8	4	20.57	20.49	20.64						
1807	64QAM	8	7	20.62	20.53	20.63						
1807	64QAM	15	0	20.46	20.53	20.56			21.3	3		
Channel												
Frequency (MHz)												
1807	QPSK	1	0	23.47	23.49	23.48			24.3	0		
1807	QPSK	1	3	23.46	23.42	23.40						
1807	QPSK	1	5	23.27	23.37	23.39						
1807	QPSK	3	0	23.29	23.45	23.51						
1807	QPSK	3	1	23.46	23.45	23.51						
1807	QPSK	3	3	23.44	23.44	23.48			23.3	1		
1807	QPSK	6	0	22.53	22.61	22.64						
1807	16QAM	1	0	22.58	23.09	22.80						
1807	16QAM	1	3	22.45	22.61	22.98						
1807	16QAM	1	5	23.01	23.02	22.73						
1807	16QAM	3	0	22.54	22.59	22.67			23.3	1		
1807	16QAM	3	1	22.58	22.61	22.66						
1807	16QAM	3	3	22.37	22.44	22.69						
1807												



Band 7 ANT 0_DSI4&9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.86	23.02	22.95	23.6	0		
20	QPSK	1	49	23.20	23.25	23.24				
20	QPSK	1	99	23.13	23.02	23.21				
20	QPSK	50	0	22.25	22.28	22.27				
20	QPSK	50	24	22.15	22.21	22.19	22.6	1		
20	QPSK	50	50	22.14	22.20	22.18				
20	QPSK	100	0	22.16	22.21	22.18				
20	16QAM	1	0	21.90	22.13	22.03				
20	16QAM	1	49	22.04	22.15	22.16	22.6	1		
20	16QAM	1	99	22.21	22.24	22.22				
20	16QAM	50	0	20.99	21.20	21.17				
20	16QAM	50	24	21.10	21.19	21.20				
20	16QAM	50	50	21.17	21.17	21.28	21.6	2		
20	16QAM	100	0	21.08	21.16	21.22				
20	64QAM	1	0	21.10	21.29	21.20				
20	64QAM	1	49	21.18	21.19	21.38				
20	64QAM	1	99	21.11	21.12	21.28	20.6	3		
20	64QAM	50	0	19.96	20.10	20.21				
20	64QAM	50	24	20.16	20.16	20.18				
20	64QAM	50	50	20.11	20.14	20.19				
20	64QAM	100	0	20.00	20.03	20.22				
Channel				20825	21100	21375	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	22.82	23.07	23.16	23.6	0		
15	QPSK	1	37	22.98	23.01	23.04				
15	QPSK	1	74	22.99	23.24	23.23				
15	QPSK	36	0	22.00	22.12	22.23				
15	QPSK	36	20	22.10	22.20	22.22	22.6	1		
15	QPSK	36	39	22.23	22.19	22.35				
15	QPSK	75	0	22.07	22.20	22.32				
15	16QAM	1	0	22.16	22.34	22.16				
15	16QAM	1	37	22.16	22.31	22.25	22.6	1		
15	16QAM	1	74	22.26	22.39	22.43				
15	16QAM	36	0	21.05	21.18	21.19				
15	16QAM	36	20	21.09	21.20	21.25				
15	16QAM	36	39	21.21	21.23	21.40	21.6	2		
15	16QAM	75	0	21.11	21.15	21.30				
15	64QAM	1	0	21.03	21.27	21.35				
15	64QAM	1	37	21.37	21.55	21.35				
15	64QAM	1	74	21.47	21.43	21.31	20.6	3		
15	64QAM	36	0	20.08	20.17	20.29				
15	64QAM	36	20	20.17	20.24	20.35				
15	64QAM	36	39	20.26	20.20	20.37				
15	64QAM	75	0	20.12	20.06	20.21				
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.04	23.08	23.16	23.6	0		
10	QPSK	1	25	23.07	23.08	23.24				
10	QPSK	1	49	23.09	23.21	23.23				
10	QPSK	25	0	22.11	22.19	22.38				
10	QPSK	25	12	22.13	22.26	22.33	22.6	1		
10	QPSK	25	25	22.26	22.31	22.44				
10	QPSK	50	0	22.18	22.28	22.41				
10	16QAM	1	0	22.27	22.30	22.52				
10	16QAM	1	25	22.14	22.52	22.47	22.6	1		
10	16QAM	1	49	22.21	22.33	22.55				
10	16QAM	25	0	21.14	21.23	21.36				
10	16QAM	25	12	21.23	21.27	21.46				
10	16QAM	25	25	21.27	21.24	21.46	21.6	2		
10	16QAM	50	0	21.25	21.18	21.39				
10	64QAM	1	0	21.39	21.42	21.44				
10	64QAM	1	25	21.19	21.47	21.31				
10	64QAM	1	49	21.49	21.04	21.45	20.6	3		
10	64QAM	25	0	20.13	20.27	20.28				
10	64QAM	25	12	20.18	20.27	20.32				
10	64QAM	25	25	20.22	20.17	20.39				
10	64QAM	50	0	20.15	20.18	20.40				
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	23.08	23.19	23.12	23.6	0		
5	QPSK	1	12	23.15	23.14	23.24				
5	QPSK	1	24	23.09	23.14	23.19				
5	QPSK	12	0	22.19	22.20	22.45				
5	QPSK	12	7	22.20	22.24	22.43	22.6	1		
5	QPSK	12	13	22.19	22.21	22.46				
5	QPSK	25	0	22.24	22.22	22.39				
5	16QAM	1	0	22.46	22.33	22.29				
5	16QAM	1	12	22.55	22.41	22.55	22.6	1		
5	16QAM	1	24	22.51	22.47	22.45				
5	16QAM	12	0	21.15	21.20	21.44				
5	16QAM	12	7	21.17	21.14	21.38				
5	16QAM	12	13	21.14	21.21	21.44	21.6	2		
5	16QAM	25	0	21.11	21.22	21.35				
5	64QAM	1	0	21.37	21.48	21.49				
5	64QAM	1	12	21.21	21.44	21.55				
5	64QAM	1	24	21.51	21.58	21.18	20.6	3		
5	64QAM	12	0	20.13	20.23	20.38				
5	64QAM	12	7	20.27	20.18	20.36				
5	64QAM	12	13	20.17	20.20	20.43				
5	64QAM	25	0	20.13	20.17	20.44				

Band 12 ANT 0_DSI4&9												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Mid Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.85	23.88	23.80	24.8	0				
10	QPSK	1	25	23.88	23.91	23.85						
10	QPSK	1	49	23.83	23.85	23.81						
10	QPSK	25	0	22.90	22.92	22.79						
10	QPSK	25	12	22.86	22.89	22.78	23.8	1				
10	QPSK	25	25	22.85	22.88	22.71						
10	QPSK	50	0	22.85	22.89	22.81						
10	16QAM	1	0	23.06	22.87	23.16						
10	16QAM	1	25	22.85	23.24	23.03	23.8	1				
10	16QAM	1	49	23.05	22.81	23.02						
10	16QAM	25	0	21.87	21.76	21.83						
10	16QAM	25	12	22.02	21.70	21.89						
10	16QAM	25	25	21.89	21.67	21.78	22.8	2				
10	16QAM	50	0	21.85	21.70	21.79						
10	64QAM	1	0	22.16	21.75	21.89						
10	64QAM	1	25	22.16	21.78	21.65						
10	64QAM	1	49	22.05	22.07	21.60	21.8	3				
10	64QAM	25	0	23.77	23.84	23.84						
10	64QAM	25	12	23.07	23.06	23.73	21.8	3				
10	64QAM	25	25	23.07	23.02	23.75						
10	64QAM	50	0	23.94	23.92	23.74						
Channel				23035	23095	23155						
Frequency (MHz)				701.5	707.5	713.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	23.78	23.79	23.66	24.8	0				
5	QPSK	1	12	23.89	23.84	23.75						
5	QPSK	1	24	23.77	23.84	23.84						
5	QPSK	12	0	22.96	22.96	22.94						
5	QPSK	12	12	22.93	22.93	22.93	23.8	1				
5	QPSK	12	13	22.97	22.92	22.81						
5	QPSK	25	0	22.93	22.88	22.92						
5	16QAM	1	0	23.55	23.49	23.01						
5	16QAM	1	12	23.09	23.19	22.87	23.8	1				
5	16QAM	1	24	23.53	23.49	23.27						
5	16QAM	12	0	21.99	21.94	21.93						
5	16QAM	12	7	21.94	21.93	21.87						
5	16QAM	12	13	21.84	21.93	21.85	22.8	2				
5	16QAM	25	0	22.06	21.86	21.96						
5	64QAM	1	0	22.19	22.03	22.10						
5	64QAM	1	12	22.25	22.02	21.94						
5	64QAM	1	24	22.16	22.02	22.08	22.8	2				
5	64QAM	12	0	20.96	20.94	20.94						
5	64QAM	12	7	20.96	21.02	20.82						
5	64QAM	12	13	20.96	20.99	20.82						
5	64QAM	25	0	20.95	20.79	20.92	21.8	3				
Channel				23025	23095	23165						
Frequency (MHz)				700.5 <th>707.5</th> <th>714.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	707.5	714.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>			Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.70	23.76	23.73			24.8	0		
3	QPSK	1	8	23.83	23.72	23.62						
3	QPSK	8	14	23.90	23.92	23.77						
3	QPSK	8	4	22.97	22.92	22.91						
3	QPSK	8	4	23.00	22.89	22.82	23.8	1				
3	QPSK	8	7	22.94	22.73	22.94						
3	QPSK	16	0	22.96	22.85	22.87						
3	16QAM	1	0	23.50	23.23	23.48						
3	16QAM	1	8	23.24	23.48	22.96	23.8	1				
3	16QAM	1	14	23.32	23.19	23.08						
3	16QAM	8	0	21.89	21.94	21.80						
3	16QAM	8	4	22.10	21.88	22.01						
3	16QAM	8	7	22.05	21.91	21.95	22.8	2				
3	16QAM	15	0	21.96	21.87	21.94						
3	64QAM	1	0	22.19	22.03	22.10						
3	64QAM	1	8	21.77	22.19	21.77						
3	64QAM	1	14	22.09	22.01	22.11	22.8	2				
3	64QAM	8	0	20.91	20.93	20.91						
3	64QAM	8	4	20.91	21.01	20.99						
3	64QAM	8	7	20.83	20.87	20.95						
3	64QAM	15	0	20.91	20.88	20.91	21.8	3				
Channel				23035	23095	23165						
Frequency (MHz)				699.7 <th>707.5</th> <th>715.3<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	707.5	715.3 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>			Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.78	23.69	23.58			24.8	0		
1.4	QPSK	1	3	23.75	23.61	23.72						
1.4	QPSK	1	5	23.90	23.56	23.86						
1.4	QPSK	3	0	23.74	23.77	23.58						
1.4	QPSK	3	1	23.87	23.76	23.81	23.8	1				
1.4	QPSK	3	2	23.77	23.72	23.72						
1.4	QPSK	6	0	22.96	22.94	22.94						
1.4	16QAM	1	0	22.94	23.15	22.90						
1.4	16QAM	1	3	23.16	22.76	23.08	23.8	1				
1.4	16QAM	1	5	23.26	23.47	23.22						
1.4	16QAM	3	0	22.93	22.93	22.95						
1.4	16QAM	3	1	22.97	23.00	22.95						
1.4	16QAM	3	3	22.82	22.96	23.01	22.8	2				
1.4	16QAM	6	0	21.89	21.93	21.96						
1.4	64QAM	1	0	21.83	22.21	22.21						
1.4	64QAM	1	3	22.35	22.14	22.34						
1.4	64QAM	1	5	22.51	22.02	21.87	21.8	3				
1.4	64QAM	3	0	22.14	22.02	21.73						
1.4	64QAM	3	2	22.10	22.03	22.18						
1.4	64QAM	3	3	22.10	22.06	22.15						
1.4	64QAM	6	0	20.91	20.84	20.78	21.8	3				



Band 17 ANT 0_DSI4&9									
BW (MHz)	Modulatio n	RB Size	RB Offset	Power Low Ch. / 2370	Power Middle Ch. / 2370	Power High Ch. / 2380	Tune-up limit (dBm)	MPR (dB)	
Channel				2370	2370	2380			
Frequency (MHz)				700	710	711			
10	QPSK	1	0	23.67	23.77	23.71			
10	QPSK	1	25	23.78	23.87	23.80	24.8	0	
10	QPSK	1	49	23.76	23.81	23.79			
10	QPSK	25	0	22.74	22.80	22.78			
10	QPSK	25	12	22.71	22.74	22.72	23.8	1	
10	QPSK	25	25	22.69	22.71	22.70			
10	QPSK	50	0	22.70	22.77	22.75			
10	16QAM	1	0	23.36	22.85	22.75			
10	16QAM	1	25	23.39	23.28	22.77	23.8	1	
10	16QAM	1	49	23.16	23.26	22.78			
10	16QAM	25	0	21.86	21.74	21.76			
10	16QAM	25	12	21.88	21.89	21.71	22.8	2	
10	16QAM	25	25	21.80	21.88	21.73			
10	16QAM	50	0	21.87	21.88	21.71			
10	64QAM	1	0	21.51	21.89	21.54			
10	64QAM	1	25	22.13	22.06	21.71	22.8	2	
10	64QAM	1	49	22.05	21.88	21.77			
10	64QAM	25	0	20.74	20.67	20.70			
10	64QAM	25	12	20.82	20.71	20.70			
10	64QAM	25	25	20.79	20.68	20.70	21.8	3	
10	64QAM	50	0	20.78	20.73	20.75			
Channel				2375	2370	2385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.66	23.74	23.81			
5	QPSK	1	12	23.65	23.75	23.86	24.8	0	
5	QPSK	1	24	23.79	23.78	23.81			
5	QPSK	12	0	22.86	22.87	22.81			
5	QPSK	12	7	22.86	22.80	22.85	23.8	1	
5	QPSK	12	13	22.86	22.81	22.80			
5	QPSK	25	0	22.81	22.81	22.77			
5	16QAM	1	0	22.83	22.85	23.53			
5	16QAM	1	12	22.99	23.59	23.04	23.8	1	
5	16QAM	1	24	23.48	23.41	22.92			
5	16QAM	12	0	21.79	21.88	21.85			
5	16QAM	12	7	21.83	21.81	21.91	22.8	2	
5	16QAM	12	13	21.90	21.85	21.86			
5	16QAM	25	0	21.92	21.77	21.81			
5	64QAM	1	0	21.62	22.36	22.04			
5	64QAM	1	12	22.37	22.19	22.36	22.8	2	
5	64QAM	1	24	22.21	21.94	21.80			
5	64QAM	12	0	20.80	20.84	20.78			
5	64QAM	12	7	20.91	20.81	20.89	21.8	3	
5	64QAM	12	13	20.75	20.88	20.85			
5	64QAM	25	0	20.78	20.81	20.98			

Band 25 ANT 0_DSI4&9									
BW (MHz)	Modulatio n	RB Size	RB Offset	Power Low Ch. / 26140	Power Middle Ch. / 26340	Power High Ch. / 26500	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26500			
Frequency (MHz)				1860	1860	1860			
20	QPSK	1	0	23.52	23.53	23.38			
20	QPSK	1	49	23.55	23.56	23.50	24.3	0	
20	QPSK	1	99	23.33	23.34	23.30			
20	QPSK	50	0	22.56	22.60	22.54			
20	QPSK	50	24	22.53	22.57	22.48	23.3	1	
20	QPSK	50	50	22.52	22.54	22.51			
20	QPSK	100	0	22.56	22.58	22.52			
20	16QAM	1	0	22.97	22.98	22.43			
20	16QAM	1	49	22.81	22.72	22.70	23.3	1	
20	16QAM	1	99	22.40	22.92	22.58			
20	16QAM	50	0	21.57	21.52	21.47			
20	16QAM	50	24	21.54	21.63	21.49	22.3	2	
20	16QAM	50	50	21.51	21.43	21.52			
20	16QAM	100	0	21.59	21.50	21.48			
20	64QAM	1	0	21.52	21.59	21.55			
20	64QAM	1	49	21.75	21.61	21.68	22.3	2	
20	64QAM	1	99	21.62	21.52	21.36			
20	64QAM	50	0	20.53	20.53	20.38			
20	64QAM	50	24	20.63	20.50	20.53	21.3	3	
20	64QAM	50	50	20.49	20.45	20.44			
20	64QAM	100	0	20.53	20.45	20.48			
Channel				26115	26340	26515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	1907.5			
15	QPSK	1	0	23.38	23.47	23.27			
15	QPSK	1	37	23.50	23.54	23.49	24.3	0	
15	QPSK	1	74	23.21	23.33	23.21			
15	QPSK	36	0	22.58	22.62	22.49			
15	QPSK	36	20	22.58	22.62	22.57	23.3	1	
15	QPSK	36	39	22.51	22.54	22.57			
15	QPSK	75	0	22.56	22.54	22.49			
15	16QAM	1	0	22.76	22.67	22.59			
15	16QAM	1	37	23.21	23.71	22.78	23.3	1	
15	16QAM	1	74	22.49	22.45	22.34			
15	16QAM	36	0	21.60	21.63	21.50			
15	16QAM	36	20	21.57	21.67	21.49	22.3	2	
15	16QAM	36	39	21.53	21.59	21.58			
15	16QAM	75	0	21.55	21.61	21.52			
15	64QAM	1	0	21.55	21.71	21.57			
15	64QAM	1	37	21.93	21.58	21.45	22.3	2	
15	64QAM	1	74	21.45	21.51	21.65			
15	64QAM	36	0	20.66	20.61	20.47			
15	64QAM	36	20	20.60	20.64	20.48	21.3	3	
15	64QAM	36	39	20.54	20.53	20.54			
15	64QAM	75	0	20.52	20.46	20.51			
Channel				26060	26340	26540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	23.55	23.55	23.48			
10	QPSK	1	25	23.52	23.55	23.49	24.3	0	
10	QPSK	1	49	23.54	23.44	23.44			
10	QPSK	25	0	22.61	22.71	22.60			
10	QPSK	25	12	22.68	22.62	22.56	23.3	1	
10	QPSK	25	25	22.64	22.64	22.60			
10	QPSK	50	0	22.70	22.64	22.64			
10	16QAM	1	0	22.72	23.14	22.63			
10	16QAM	1	25	23.03	23.11	23.01	23.3	1	
10	16QAM	1	49	22.72	23.09	22.91			
10	16QAM	25	0	21.63	21.62	21.53			
10	16QAM	25	12	21.67	21.68	21.54	22.3	2	
10	16QAM	25	25	21.62	21.55	21.57			
10	16QAM	50	0	21.64	21.63	21.59			
10	64QAM	1	0	21.81	21.64	21.47			
10	64QAM	1	25	21.93	21.93	21.82	22.3	2	
10	64QAM	1	49	21.64	21.84	21.66			
10	64QAM	25	0	20.59	20.59	20.57			
10	64QAM	25	12	20.59	20.59	20.56	21.3	3	
10	64QAM	25	25	20.67	20.60	20.60			
10	64QAM	50	0	20.65	20.53	20.53			
Channel				26065	26340	26685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	23.31	23.49	23.50			
5	QPSK	1	12	23.45	23.48	23.48	24.3	0	
5	QPSK	1	24	23.40	23.47	23.55			
5	QPSK	12	0	22.70	22.71	22.65			
5	QPSK	12	7	22.64	22.56	22.78	23.3	1	
5	QPSK	12	13	22.62	22.62	22.64			
5	QPSK	25	0	22.64	22.59	22.74			
5	16QAM	1	0	23.03	22.91	22.69	23.3	1	
5	16QAM	1	12	23.13	22.72	23.18			
5	16QAM	1	24	22.81	23.12	22.94			
5	16QAM	12	0	21.52	21.64	21.64			
5	16QAM	12	7	21.53	21.58	21.72	22.3	2	
5	16QAM	12	13	21.54	21.60	21.55			
5	16QAM	25	0	21.57	21.59	21.68			
5	64QAM	1	0	21.91	21.84	21.72			
5	64QAM	1	12	21.45	21.93	21.52	22.3	2	
5	64QAM	1	24	21.96	21.43	21.94			
5	64QAM	12	0	20.67	20.74	20.72			
5	64QAM	12	7	20.70	20.63	20.78	21.3	3	
5	64QAM	12	13	20.53	20.50	20.66			
5	64QAM	25	0	20.69	20.68	20.69			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	23.49	23.42	23.45			
3	QPSK	1	8	23.45	23.45	23.52	24.3	0	
3	QPSK	1	14	23.48	23.53	23.54			
3	QPSK	8	0	22.56	22.62	22.69			
3	QPSK	8	4	22.55	22.54	22.71	23.3	1	
3	QPSK	8	7	22.63	22.50	22.71			
3	QPSK	15	0	22.59	22.61	22.68			
3	16QAM	1	0	23.10	23.04	22.76	23.3	1	
3	16QAM	1	8	22.53	22.81	22.62			
3	16QAM	1	14	22.78	22.77	23.04			
3	16QAM	8	0	21.69	21.62	21.63	22.3	2	
3	16QAM	8	4	21.65	21.65	21.71			</



Band 66 ANT 0_DSI4&9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.38	23.51	23.42	24.3	0	
20	QPSK	1	49	23.49	23.58	23.51			
20	QPSK	1	99	23.42	23.52	23.44			
20	QPSK	50	0	22.49	22.53	22.50			
20	QPSK	50	24	22.45	22.51	22.47	23.3	1	
20	QPSK	50	50	22.43	22.48	22.47			
20	QPSK	100	0	22.34	22.51	22.43			
20	16QAM	1	0	22.70	23.11	22.75			
20	16QAM	1	49	22.66	22.45	22.80	23.3	1	
20	16QAM	1	99	23.03	22.50	22.99			
20	16QAM	50	0	21.36	21.50	21.44			
20	16QAM	50	24	21.55	21.50	21.48			
20	16QAM	50	50	21.48	21.53	21.49	22.3	2	
20	16QAM	100	0	21.36	21.45	21.47			
20	64QAM	1	0	21.18	21.43	21.89			
20	64QAM	1	49	21.35	21.75	21.77			
20	64QAM	1	99	21.54	21.68	21.58	21.3	3	
20	64QAM	50	0	20.37	20.60	20.47			
20	64QAM	50	24	20.38	20.53	20.52			
20	64QAM	50	50	20.49	20.55	20.61			
20	64QAM	100	0	20.29	20.41	20.49	Tune-up limit (dBm)	MPR (dB)	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.38	23.53	23.48			
15	QPSK	1	37	23.49	23.51	23.55	24.3	0	
15	QPSK	1	74	23.36	23.50	23.36			
15	QPSK	36	0	22.46	22.64	22.51			
15	QPSK	36	20	22.45	22.63	22.57			
15	QPSK	36	39	22.50	22.47	22.51	23.3	1	
15	QPSK	75	0	22.48	22.57	22.39			
15	16QAM	1	0	23.09	23.10	23.09			
15	16QAM	1	37	23.20	23.21	22.72			
15	16QAM	1	74	23.00	22.63	22.76	23.3	1	
15	16QAM	36	0	21.51	21.56	21.58			
15	16QAM	36	20	21.52	21.53	21.60			
15	16QAM	36	39	21.55	21.47	21.53			
15	16QAM	75	0	21.52	21.65	21.69	22.3	2	
15	64QAM	1	0	21.83	21.89	21.31			
15	64QAM	1	37	21.71	21.69	21.86			
15	64QAM	1	74	21.76	21.69	21.53			
15	64QAM	36	0	20.44	20.60	20.49	21.3	3	
15	64QAM	36	20	20.48	20.58	20.57			
15	64QAM	36	39	20.49	20.53	20.55			
15	64QAM	75	0	20.44	20.56	20.49	Tune-up limit (dBm)	MPR (dB)	
Channel				132022	132322	132322			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.45	23.52	23.57			
10	QPSK	1	25	23.49	23.56	23.57	24.3	0	
10	QPSK	1	49	23.49	23.46	23.48			
10	QPSK	25	0	22.48	22.56	22.51			
10	QPSK	25	12	22.47	22.58	22.58			
10	QPSK	25	25	22.47	22.58	22.55	23.3	1	
10	QPSK	50	0	22.55	22.55	22.59			
10	16QAM	1	0	22.71	22.79	22.63			
10	16QAM	1	25	22.59	22.54	22.83			
10	16QAM	1	49	22.33	22.96	22.68	23.3	1	
10	16QAM	25	0	21.50	21.59	21.61			
10	16QAM	25	12	21.55	21.60	21.71			
10	16QAM	25	25	21.45	21.60	21.42			
10	16QAM	50	0	21.46	21.67	21.54	22.3	2	
10	64QAM	1	0	21.52	21.90	21.70			
10	64QAM	1	25	21.82	22.00	21.89			
10	64QAM	1	49	21.27	21.46	21.53			
10	64QAM	25	0	20.52	20.62	20.47	21.3	3	
10	64QAM	25	12	20.53	20.51	20.54			
10	64QAM	25	25	20.46	20.54	20.45			
10	64QAM	50	0	20.56	20.61	20.59	Tune-up limit (dBm)	MPR (dB)	
Channel				131997	132322	132847			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.53	23.51	23.53			
5	QPSK	1	12	23.45	23.52	23.48	24.3	0	
5	QPSK	1	24	23.41	23.54	23.48			
5	QPSK	12	0	22.56	22.62	22.60			
5	QPSK	12	7	22.48	22.60	22.60	23.3	1	
5	QPSK	12	13	22.48	22.49	22.51			
5	QPSK	25	0	22.53	22.51	22.56			
5	16QAM	1	0	23.00	22.49	23.10			
5	16QAM	1	12	22.66	22.81	22.54	23.3	1	
5	16QAM	1	24	22.75	23.05	23.18			
5	16QAM	12	0	21.51	21.59	21.48			
5	16QAM	12	7	21.43	21.58	21.52			
5	16QAM	12	13	21.43	21.49	21.50	22.3	2	
5	16QAM	25	0	21.45	21.50	21.54			
5	64QAM	1	0	21.48	21.56	21.74			
5	64QAM	1	12	21.62	21.35	21.53			
5	64QAM	1	24	21.92	21.74	21.34	21.3	3	
5	64QAM	12	0	20.48	20.72	20.61			
5	64QAM	12	7	20.61	20.61	20.56			
5	64QAM	12	13	20.48	20.46	20.56			
5	64QAM	25	0	20.51	20.55	20.54	Tune-up limit (dBm)	MPR (dB)	
Channel				131987	132322	132537			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.47	23.53	23.40			
3	QPSK	1	8	23.42	23.52	23.55	24.3	0	
3	QPSK	1	14	23.35	23.48	23.44			
3	QPSK	8	0	22.48	22.55	22.54			
3	QPSK	8	4	22.42	22.52	22.54	23.3	1	
3	QPSK	8	7	22.46	22.53	22.47			
3	QPSK	15	0	22.43	22.51	22.60			
3	16QAM	1	0	23.06	22.71	23.13			
3	16QAM	1	8	23.11	22.90	22.57	23.3	1	
3	16QAM	1	14	22.85	23.08	22.16			
3	16QAM	8	0	21.56	21.60	21.54			
3	16QAM	8	4	21.38	21.55	21.55			
3	16QAM	8	7	21.54	21.62	21.50	22.3	2	
3	16QAM	15	0	21.46	21.42	21.70			
3	64QAM	1	0	21.46	21.91	21.85			
3	64QAM	1	8	21.62	21.98	21.86			
3	64QAM	1	14	21.53	21.28	21.59	21.3	3	
3	64QAM	8	0	20.57	20.62	20.57			
3	64QAM	8	4	20.50	20.46	20.60			
3	64QAM	8	7	20.60	20.47	20.63			
3	64QAM	15	0	20.34	20.56	20.53	Tune-up limit (dBm)	MPR (dB)	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.22	23.56	23.36			
1.4	QPSK	1	3	23.26	23.42	23.49	24.3	0	
1.4	QPSK	1	5	23.47	23.37	23.57			
1.4	QPSK	3	0	23.35	23.52	23.54			
1.4	QPSK	3	1	23.35	23.52	23.49			
1.4	QPSK	3	3	23.37	23.54	23.46	23.3	1	
1.4	QPSK	6	0	22.48	22.56	22.55			
1.4	16QAM	1	0	22.65	22.73	22.69			
1.4	16QAM	1	3	22.34	22.48	22.53			
1.4	16QAM	1	5	22.66	23.10	23.09	23.3		

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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 Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.18	23.21	23.18	23.8	0		
20	QPSK	1	49	23.22	23.35	23.34				
20	QPSK	1	99	23.30	23.30	23.30				
20	QPSK	50	0	22.23	22.27	22.26	22.8	1		
20	QPSK	50	24	22.21	22.25	22.23				
20	QPSK	50	50	22.18	22.23	22.21				
20	QPSK	100	0	22.16	22.18	22.18	22.8	1		
20	16QAM	1	0	22.22	22.21	22.23				
20	16QAM	1	49	22.36	22.42	22.40				
20	16QAM	1	99	22.42	22.40	22.34	21.8	2		
20	16QAM	50	0	21.12	21.18	21.15				
20	16QAM	50	24	21.19	21.19	21.26				
20	16QAM	50	50	21.25	21.30	21.26	21.8	2		
20	16QAM	100	0	21.23	21.32	21.28				
20	16QAM	1	0	20.84	20.86	20.90				
20	64QAM	1	49	21.00	21.02	21.07	20.8	3		
20	64QAM	1	99	21.07	21.03	21.05				
20	64QAM	50	0	20.13	20.19	20.22				
20	64QAM	50	24	20.22	20.20	20.25	20.8	3		
20	64QAM	50	50	20.19	20.31	20.28				
20	64QAM	100	0	20.16	20.21	20.26				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.17	23.24	23.23	23.8	0		
15	QPSK	1	37	23.27	23.31	23.33				
15	QPSK	1	74	23.30	23.31	23.34				
15	QPSK	36	0	22.28	22.35	22.30	22.8	1		
15	QPSK	36	20	22.32	22.37	22.36				
15	QPSK	36	39	22.37	22.37	22.38				
15	QPSK	75	0	22.33	22.35	22.36	22.8	1		
15	16QAM	1	0	22.34	22.42	22.39				
15	16QAM	1	37	22.46	22.50	22.48				
15	16QAM	1	74	21.73	21.69	21.72	21.8	2		
15	16QAM	36	0	21.27	21.36	21.37				
15	16QAM	36	20	21.32	21.36	21.37				
15	16QAM	36	39	21.33	21.38	21.37	21.8	2		
15	16QAM	75	0	21.36	21.41	21.38				
15	64QAM	1	0	21.03	21.09	21.06				
15	64QAM	1	37	21.12	21.19	21.20	20.8	3		
15	64QAM	1	74	21.13	21.14	21.15				
15	64QAM	36	0	20.35	20.37	20.36				
15	64QAM	36	20	20.36	20.39	20.39	20.8	3		
15	64QAM	36	39	20.33	20.39	20.40				
15	64QAM	75	0	20.34	20.39	20.36				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.19	23.27	23.26	23.8	0		
10	QPSK	1	25	23.24	23.29	23.33				
10	QPSK	1	49	23.26	23.27	23.35				
10	QPSK	25	0	22.35	22.43	22.42	22.8	1		
10	QPSK	25	12	22.34	22.41	22.42				
10	QPSK	25	25	22.35	22.42	22.48				
10	16QAM	1	0	22.39	22.48	22.45	22.8	1		
10	16QAM	1	25	22.43	22.51	22.63				
10	16QAM	1	49	22.44	22.47	22.50				
10	16QAM	25	0	21.36	21.44	21.46	21.8	2		
10	16QAM	25	12	21.35	21.40	21.47				
10	16QAM	25	25	21.39	21.41	21.45				
10	16QAM	50	0	21.37	21.45	21.44	21.8	2		
10	16QAM	50	0	21.08	21.13	21.16				
10	64QAM	1	25	21.10	21.18	21.22				
10	64QAM	1	49	21.10	21.13	21.16	20.8	3		
10	64QAM	25	0	20.37	20.45	20.48				
10	64QAM	25	12	20.38	20.43	20.48				
10	64QAM	25	25	20.40	20.46	20.48	20.8	3		
10	64QAM	50	0	20.39	20.43	20.40				
10	64QAM	50	0	20.39	20.44	20.48				

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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 Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	0	0	22.41	22.39	22.48	23.8	0		
20	QPSK	1	49	22.49	22.45	22.59				
20	QPSK	1	99	22.43	22.40	22.58				
20	QPSK	50	0	21.54	21.53	21.50	22.8	1		
20	QPSK	50	24	21.59	21.49	21.60				
20	QPSK	50	50	21.51	21.41	21.53				
20	QPSK	100	0	21.57	21.49	21.57	22.8	1		
20	16QAM	1	0	21.54	21.46	21.48				
20	16QAM	1	49	21.69	21.63	21.76				
20	16QAM	1	99	21.69	21.67	21.62	21.8	2		
20	16QAM	50	0	20.45	20.37	20.36				
20	16QAM	50	24	20.45	20.53	20.49				
20	16QAM	50	50	20.54	20.57	20.60	21.8	2		
20	16QAM	100	0	20.56	20.47	20.71				
20	64QAM	1	0	20.22	20.14	20.21				
20	64QAM	1	49	20.33	20.33	20.44	21.8	2		
20	64QAM	1	99	20.31	20.29	20.45				
20	64QAM	50	0	19.47	19.37	19.42				
20	64QAM	50	24	19.54	19.45	19.56	20.8	3		
20	64QAM	50	50	19.55	19.56	19.57				
20	64QAM	100	0	19.52	19.42	19.61				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.46	22.47	22.46	23.8	0		
15	QPSK	1	37	22.54	22.44	22.53				
15	QPSK	1	74	22.45	22.55	22.54				
15	QPSK	36	0	21.56	21.66	21.61	22.8	1		
15	QPSK	36	20	21.68	21.59	21.63				
15	QPSK	36	39	21.60	21.62	21.69				
15	QPSK	75	0	21.68	21.57	21.60	22.8	1		
15	16QAM	1	0	21.64	21.60	21.68				
15	16QAM	1	37	21.72	21.68	21.76				
15	16QAM	1	74	21.73	21.65	21.79	21.8	2		
15	16QAM	36	0	20.88	20.81	20.98				
15	16QAM	36	20	20.67	20.60	20.67				
15	16QAM	36	39	20.50	20.65	20.63	21.8	2		
15	16QAM	75	0	20.55	20.70	20.77				
15	64QAM	1	0	20.63	20.35	20.39				
15	64QAM	1	37	20.59	20.46	20.53	21.8	2		
15	64QAM	1	74	20.38	20.39	20.48				
15	64QAM	36	0	19.47	19.34	19.40				
15	64QAM	36	20	19.35	19.63	19.74	20.8	3		
15	64QAM	36	39	19.54	19.54	19.65				
15	64QAM	75	0	19.54	19.64	19.76				
Channel										
Frequency (MHz)										
10	QPSK	0	0	22.43	22.38	22.56	23.8	0		
10	QPSK	1	25	22.55	22.57	22.51				
10	QPSK	1	49	22.48	22.55	22.53				
10	QPSK	25	0	21.73	21.65	21.79	22.8	1		
10	QPSK	25	12	21.59	21.59	21.70				
10	QPSK	25	25	21.72	21.62	21.81				
10	QPSK	50	0	21.67	21.72	21.83	22.8	1		
10	16QAM	1	25	21.81	21.64	21.83				
10	16QAM	1	49	21.76	21.76	21.88				
10	16QAM	1	99	21.67	21.77	21.81	21.8	2		
10	16QAM	25	0	20.64	20.64	20.62				
10	16QAM	25	12	20.64	20.67	20.66				
10	16QAM	25	25	20.65	20.63	20.81	21.8	2		
10	16QAM	50	0	20.77	20.70	20.75				
10	16QAM	50	0	20.34	20.33	20.43				
10	64QAM	1	25	20.38	20.47	20.53	21.8	2		
10	64QAM	1	49	20.39	20.42	20.52				
10	64QAM	25	0	19.65	19.70	19.72				
10	64QAM	25	12	19.68	19.67	19.75	20.8	3		
10	64QAM	25	25	19.74	19.65	19.80				
10	64QAM	50	0	19.65	19.58	19.67				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.38	22.53	22.56	23.8	0		

GSM850 ANT 1_DS14&9		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	169	251		128	169	251	
Frequency (MHz)		824.2	834.4	849.3		824.2	834.4	849.3	
GSM 1 Tx slot	32.22	32.43	32.23	33.30		23.22	23.43	23.23	24.30
GPRS 1 Tx slot	32.21	32.41	32.21	33.30		23.21	23.41	23.21	24.30
GPRS 2 Tx slots	30.03	30.12	30.01	31.30		24.03	24.12	24.01	25.30
GPRS 3 Tx slots	27.73	27.86	27.72	28.80		23.47	23.60	23.46	24.54
GPRS 4 Tx slots	27.05	27.14	27.05	28.30		24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)	32.20	32.38	32.20	33.30		23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)	30.02	30.11	29.98	31.30		24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)	27.70	27.85	27.69	28.80		23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)	27.03	27.10	27.00	28.30		24.03	24.10	24.00	25.30
EDGE 1 Tx slot	26.81	26.72	26.74	27.80		17.81	17.72	17.74	18.80
EDGE 2 Tx slots	23.43	23.36	23.46	24.80		17.43	17.36	17.46	18.80
EDGE 3 Tx slots	20.99	20.95	20.98	22.30		16.73	16.68	16.72	18.04
EDGE 4 Tx slots	20.68	20.58	20.75	21.80		17.68	17.58	17.75	18.80

GSM1900 ANT 1_DS14&9		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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.98	30.06	30.00	30.60		20.98	21.06	21.00	21.60
GPRS 1 Tx slot	29.95	30.05	29.98	30.60		20.95	21.05	20.98	21.60
GPRS 2 Tx slots	27.23	27.31	27.17	28.10		21.23	21.31	21.17	22.10
GPRS 3 Tx slots	25.06	25.16	25.03	25.80		20.80	20.90	20.77	21.54
GPRS 4 Tx slots	24.36	24.37	24.32	25.30		21.36	21.37	21.32	22.30
EDGE(GMSK 1 Tx slot)	29.94	30.00	29.96	30.60		20.94	21.00	20.96	21.60
EDGE(GMSK 2 Tx slots)	27.20	27.28	27.15	28.10		21.20	21.28	21.15	22.10
EDGE(GMSK 3 Tx slots)	25.03	25.12	24.98	25.80		20.77	20.86	20.72	21.54
EDGE(GMSK 4 Tx slots)	24.32	24.33	24.30	25.30		21.32	21.33	21.30	22.30
EDGE 1 Tx slot	25.31	25.37	25.28	26.10		16.31	16.37	16.28	17.10
EDGE 2 Tx slots	22.96	23.04	23.04	23.80		16.96	17.04	17.04	17.80
EDGE 3 Tx slots	21.68	21.62	21.56	22.10		17.42	17.36	17.30	17.84
EDGE 4 Tx slots	19.31	19.32	19.36	20.30		16.31	16.32	16.36	17.30

Band		WCDMA II ANT 1_DS14&9			Tune-up Limit (dBm)	WCDMA IV ANT 1_DS14&9			Tune-up Limit (dBm)	WCDMA V ANT 1_DS14&9			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.58	23.60	23.56	24.60	23.54	23.60	23.53	24.60	23.73	23.79	23.66	24.80
3GPP Rel 99	RMC 12.2Kbps	23.61	23.63	23.59	24.60	23.61	23.62	23.60	24.60	23.79	23.81	23.68	24.80
3GPP Rel 6	HSDPA Subtest-1	22.48	22.52	22.49	23.60	22.46	22.43	22.44	23.60	22.76	22.71	22.63	23.80
3GPP Rel 6	HSDPA Subtest-2	22.47	22.46	22.45	23.60	22.45	22.40	22.38	23.60	22.75	22.69	22.58	23.80
3GPP Rel 6	HSDPA Subtest-3	22.00	22.05	21.99	22.60	22.01	21.99	21.93	22.60	22.26	22.24	22.12	23.30
3GPP Rel 6	HSDPA Subtest-4	21.98	22.02	21.94	22.60	21.92	21.89	21.90	22.60	22.21	22.20	22.06	23.30
3GPP Rel 6	DC-HSDPA Subtest-1	22.41	22.43	22.49	23.60	22.30	22.31	22.41	23.60	22.75	22.53	22.59	23.80
3GPP Rel 6	DC-HSDPA Subtest-2	22.30	22.43	22.27	23.60	22.29	22.36	22.22	23.60	22.66	22.53	22.48	23.80
3GPP Rel 6	DC-HSDPA Subtest-3	21.85	21.85	21.88	22.60	21.87	21.98	21.93	22.60	22.19	22.15	22.05	23.30
3GPP Rel 6	DC-HSDPA Subtest-4	21.81	21.94	21.93	22.60	21.73	21.87	21.79	22.60	22.15	22.01	21.86	23.30
3GPP Rel 6	HSUPA Subtest-1	20.90	20.97	20.97	21.60	20.88	20.88	20.91	21.60	21.19	21.15	21.05	21.80
3GPP Rel 6	HSUPA Subtest-2	19.43	19.45	19.46	20.60	19.40	19.37	19.36	20.60	19.65	19.65	19.51	20.80
3GPP Rel 6	HSUPA Subtest-3	20.50	20.49	20.51	21.60	20.42	20.37	20.43	21.60	20.73	20.67	20.54	21.80
3GPP Rel 6	HSUPA Subtest-4	19.97	19.93	19.98	21.10	19.89	19.91	19.90	21.10	20.18	20.12	20.03	21.30
3GPP Rel 6	HSUPA Subtest-5	22.40	22.40	22.50	23.60	22.40	22.40	22.40	23.60	22.70	22.70	22.50	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.27	22.31	22.26	23.60	22.20	22.29	22.21	23.60	22.31	22.37	22.28	23.80



Band 5 ANT 1_DS14&9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)		
Channel				20450	20525	20600				
Frequency (MHz)				820	836.5	844				
10	QPSK	1	0	23.51	23.98	23.38	24.8	0		
10	QPSK	1	25	23.67	23.81	23.46				
10	QPSK	1	49	23.54	23.83	23.38				
10	QPSK	25	0	22.53	22.56	22.42				
10	QPSK	25	12	22.46	22.54	22.40	23.8	1		
10	QPSK	25	25	22.45	22.48	22.38				
10	QPSK	50	0	22.50	22.53	22.43				
10	16QAM	1	0	22.51	22.59	22.63				
10	16QAM	1	25	22.51	22.61	22.96	23.8	1		
10	16QAM	1	49	22.47	22.66	22.86				
10	16QAM	25	0	21.55	21.50	21.30				
10	16QAM	25	12	21.60	21.46	21.39				
10	16QAM	25	25	21.47	21.59	21.44	22.8	2		
10	16QAM	50	0	21.51	21.46	21.46				
10	64QAM	1	0	21.72	21.53	21.56				
10	64QAM	1	25	21.73	21.73	21.25				
10	64QAM	1	49	21.58	21.67	21.29	21.8	3		
10	64QAM	25	0	20.49	20.54	20.42				
10	64QAM	25	12	20.55	20.58	20.38				
10	64QAM	25	25	20.50	20.63	20.34				
10	64QAM	50	0	20.52	20.43	20.33				
Channel				20425	20525	20625	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.54	23.77	23.45	24.8	0		
5	QPSK	1	12	23.75	23.67	23.76				
5	QPSK	1	24	23.54	23.83	23.60				
5	QPSK	12	0	22.77	22.85	22.56				
5	QPSK	12	7	22.70	22.72	22.54	23.8	1		
5	QPSK	12	13	22.63	22.69	22.52				
5	QPSK	25	0	22.60	22.67	22.59				
5	16QAM	1	0	23.24	23.15	23.02				
5	16QAM	1	12	22.64	22.68	23.04	23.8	1		
5	16QAM	1	24	22.43	22.90	23.16				
5	16QAM	12	0	21.69	21.65	21.51				
5	16QAM	12	7	21.56	21.63	21.51				
5	16QAM	12	13	21.57	21.66	21.42	22.8	2		
5	16QAM	25	0	21.65	21.68	21.50				
5	64QAM	1	0	21.72	21.97	21.44				
5	64QAM	1	12	22.06	21.53	21.57				
5	64QAM	1	24	21.54	21.40	21.91	22.8	2		
5	64QAM	12	0	20.73	20.57	20.46				
5	64QAM	12	7	20.65	20.70	20.47				
5	64QAM	12	13	20.52	20.67	20.52				
5	64QAM	25	0	20.60	20.68	20.56				
Channel				20415	20525	20635	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.69	23.99	23.63	24.8	0		
3	QPSK	1	8	23.75	23.58	23.76				
3	QPSK	1	14	23.77	23.77	23.68				
3	QPSK	8	0	22.69	22.66	22.81				
3	QPSK	8	4	22.59	22.62	22.72	23.8	1		
3	QPSK	8	7	22.61	22.64	22.68				
3	QPSK	15	0	22.65	22.69	22.72				
3	16QAM	1	0	23.12	23.17	23.17				
3	16QAM	1	8	23.21	22.97	22.74	23.8	1		
3	16QAM	1	14	23.04	22.78	22.99				
3	16QAM	8	0	21.74	21.63	21.71				
3	16QAM	8	4	21.67	21.66	21.62				
3	16QAM	8	7	21.62	21.65	21.71	22.8	2		
3	16QAM	15	0	21.73	21.74	21.77				
3	64QAM	1	0	21.71	21.95	21.83				
3	64QAM	1	8	21.77	21.74	21.84				
3	64QAM	1	14	21.95	21.89	21.47	21.8	3		
3	64QAM	8	0	20.72	20.66	20.75				
3	64QAM	8	4	20.58	20.62	20.67				
3	64QAM	8	7	20.62	20.56	20.68				
3	64QAM	15	0	20.58	20.66	20.71	20.6			
Channel				20407	20525	20643		Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.75	23.39	23.71	24.8	0		
1.4	QPSK	1	3	23.80	23.58	23.71				
1.4	QPSK	1	5	23.70	23.76	23.80				
1.4	QPSK	3	0	23.60	23.67	23.66				
1.4	QPSK	3	1	23.66	23.55	23.76	23.8	1		
1.4	QPSK	3	3	23.64	23.55	23.73				
1.4	QPSK	6	0	22.62	22.65	22.77				
1.4	16QAM	1	0	23.15	22.74	22.68				
1.4	16QAM	1	3	22.89	22.89	23.28	23.8	1		
1.4	16QAM	1	5	23.11	23.15	23.16				
1.4	16QAM	3	0	22.65	22.67	22.65				
1.4	16QAM	3	1	22.63	22.69	22.54				
1.4	16QAM	3	3	22.70	22.63	22.72	22.8	2		
1.4	16QAM	6	0	21.65	21.63	21.61				
1.4	64QAM	1	0	21.89	21.78	21.96				
1.4	64QAM	1	3	22.01	21.92	22.12				
1.4	64QAM	1	5	21.42	21.65	21.85	22.8	2		
1.4	64QAM	3	0	21.62	21.86	21.85				
1.4	64QAM	3	1	21.72	21.78	21.83				
1.4	64QAM	3	3	21.44	21.74	21.87				
1.4	64QAM	6	0	20.60	20.60	20.70	21.8	3		

Band 7 ANT 1_DS14&9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.14	23.31	23.17	23.6	0	
20	QPSK	1	49	23.33	23.47	23.38			
20	QPSK	1	99	23.31	23.36	23.33			
20	QPSK	50	0	22.27	22.48	22.45			
20	QPSK	50	24	22.36	22.44	22.42	22.6	1	
20	QPSK	50	50	22.41	22.46	22.44			
20	QPSK	100	0	22.32	22.41	22.37			
20	16QAM	1	0	22.00	22.07	22.05			
20	16QAM	1	49	22.20	22.30	22.26	22.6	1	
20	16QAM	1	99	22.16	22.23	22.30			
20	16QAM	50	0	21.21	21.44	21.39			
20	16QAM	50	24	21.36	21.38	21.42			
20	16QAM	50	50	21.42	21.40	21.42	21.6	2	
20	16QAM	100	0	21.26	21.34	21.39			
20	64QAM	1	0	21.22	21.48	21.28			
20	64QAM	1	49	21.50	21.54	21.52			
20	64QAM	1	99	21.45	21.46	21.60	21.6	2	
20	64QAM	50	0	20.26	20.42	20.38			
20	64QAM	50	24	20.35	20.39	20.40			
20	64QAM	50	50	20.43	20.41	20.43			
20	64QAM	100	0	20.30	20.34	20.37	20.6		
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.15	23.23	23.20	23.6	0	
15	QPSK	1	37	23.23	23.37	23.44			
15	QPSK	1	74	23.30	23.36	23.42			
15	QPSK	36	0	22.22	22.35	22.39			
15	QPSK	36	20	22.24	22.33	22.44	22.6	1	
15	QPSK	36	36	22.37	22.31	22.51			
15	QPSK	75	0	22.27	22.36	22.44			
15	16QAM	1	0	21.97	22.13	22.03			
15	16QAM	1	37	22.09	22.27	22.30	22.6	1	
15	16QAM	1	74	22.11	22.21	22.29			
15	16QAM	36	0	21.26	21.37	21.37	21.6	2	
15	16QAM	36	20	21.28	21.38	21.43			
15	16QAM	36	36	21.40	21.35	21.48			
15	16QAM	75	0	21.27	21.31	21.43			
15	64QAM	1	0	21.31	21.42	21.46	21.6	2	
15	64QAM	1	37	21.41	21.54	21.53			
15	64QAM	1	74	21.48	21.45	21.59			
15	64QAM	36	0	20.32	20.38	20.39			
15	64QAM	36	20	20.32	20.38	20.43	20.6	3	
15	64QAM	36	36	20.39	20.35	20.53			
15	64QAM	75	0	20.25	20.29	20.39			
15	64QAM	75	0	20.25	20.29	20.39			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.21	23.26	23.31	23.6	0	
10	QPSK	1	25	23.27	23.33	23.37			
10	QPSK	1	49	23.27	23.32	23.46			
10	QPSK	25	0	22.24	22.37	22.50			
10	QPSK	25	12	22.24	22.33	22.48	22.6	1	
10	QPSK	25	25	22.29	22.36	22.53			
10	QPSK	50	0	22.26	22.37	22.52			
10	QPSK	50	1	22.05	22.16	22.21			
10	16QAM	1	0	22.10	22.12	22.22	22.6	1	
10	16QAM	1	49	22.17	22.27	22.33			
10	16QAM	25	0	21.22	21.37	21.50			
10	16QAM	25	12	21.22	21.37	21.48			
10	16QAM	25	25	21.37	21.41	21.54	21.6	2	
10	16QAM	50	0	21.25	21.39	21.49			
10	64QAM	1	0	21.38	21.34	21.48			
10	64QAM	1	25	20.93	21.14	21.25			
10	64QAM	1	49	20.99	21.11	21.25	21.6	2	
10	64QAM	25	0	20.28	20.38	20.49			
10	64QAM	25	12	20.27	20.38	20.46			
10	64QAM	25	25	20.35	20.38	20.48			
10	64QAM	50	0	20.34	20.37	20.47	20.6		
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.22	23.32	23.44	23.6	0	
5	QPSK	1	12	23.26	23.34	23.41			
5	QPSK	1	24	23.24	23.39	23.31			
5	QPSK	12	0	22.25	22.40	22.52			
5	QPSK	12	7	22.25	22.35	22.52	22.6	1	
5	QPSK	12	13	22.22	22.32	22.51			
5	QPSK	25	0	22.23	22.36	22.52			
5	16QAM	1	0	22.05	22.25	22.37			
5	16QAM	1	12	22.12	22.24	22.37	22.6	1	
5	16QAM	1	24	22.14	22.26	22.34			
5	16QAM	12	0	21.23	21.37	21.53			
5	16QAM	12	7	21.25	21.36	21.48			
5	16QAM	12	13	21.21	21.28	21.48	21.6	2	
5	16QAM	25	0	21.28	21.34	21.52			
5	64QAM	1	0	20.95	21.07	21.21			
5	64QAM	1	12	21.01	21.13	21.24			
5	64QAM	1	24	21.00	21.12	21.24	21.6	2	
5	64QAM	12	0	20.30	20.37	20.53			
5	64QAM	12	7	20.28	20.32	20.50			
5	64QAM	12	13	20.27	20.39	20.55			
5	64QAM	25	0	20.29	20.33	20.52	20.6		



Band 13 ANT 1_DSI4&9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)	
Channel				23230			782		
Frequency (MHz)									
10	QPSK	1	0		23.40		24.3	0	
10	QPSK	1	25		23.41				
10	QPSK	1	49		23.36				
10	QPSK	25	0		22.35		23.3	1	
10	QPSK	25	12		22.33				
10	QPSK	25	25		22.32				
10	QPSK	50	0		22.36		23.3	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.73				
10	16QAM	1	49		22.75		22.3	2	
10	16QAM	25	0		21.20				
10	16QAM	25	12		21.36				
10	16QAM	25	25		21.46		21.3	3	
10	16QAM	50	0		21.36				
10	64QAM	1	0		21.48				
10	64QAM	1	25		21.55		22.3	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.21				
10	64QAM	25	12		20.36		21.3	3	
10	64QAM	25	25		20.43				
10	64QAM	50	0		20.32				
Channel				23205	23230	23255	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.35	23.37	23.36	24.3	0	
5	QPSK	1	12	23.31	23.37	23.38			
5	QPSK	1	24	23.32	23.36	23.39			
5	QPSK	12	0	22.31	22.32	22.43	23.3	1	
5	QPSK	12	7	22.38	22.37	22.35			
5	QPSK	12	13	22.39	22.33	22.49			
5	QPSK	25	0	22.35	22.35	22.40	23.3	1	
5	16QAM	1	0	22.75	22.71	22.62			
5	16QAM	1	12	22.75	22.72	22.77			
5	16QAM	1	24	22.73	22.76	22.83	22.3	2	
5	16QAM	12	0	21.29	21.32	21.38			
5	16QAM	12	7	21.38	21.35	21.36			
5	16QAM	12	13	21.39	21.32	21.43	22.3	2	
5	16QAM	25	0	21.37	21.36	21.38			
5	64QAM	1	0	21.60	21.58	21.55			
5	64QAM	1	12	21.65	21.57	21.62	22.3	2	
5	64QAM	1	24	21.51	21.53	21.55			
5	64QAM	12	0	20.31	20.33	20.44			
5	64QAM	12	7	20.40	20.38	20.37	21.3	3	
5	64QAM	12	13	20.42	20.34	20.47			
5	64QAM	25	0	20.35	20.36	20.35			

Band 17 ANT 1_DSI4&9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	23.70	23.74	23.69	24.8	0	
10	QPSK	1	25	23.80	23.69	23.75			
10	QPSK	1	49	23.79	23.83	23.75			
10	QPSK	25	0	22.77	22.89	22.74	23.8	1	
10	QPSK	25	12	22.74	22.84	22.77			
10	QPSK	25	25	22.78	22.82	22.75			
10	QPSK	50	0	22.79	22.86	22.77	23.8	1	
10	16QAM	1	0	22.97	23.13	22.91			
10	16QAM	1	25	23.03	23.25	23.04			
10	16QAM	1	49	23.03	23.27	23.08	22.8	2	
10	16QAM	25	0	21.77	21.88	21.77			
10	16QAM	25	12	21.75	21.87	21.73			
10	16QAM	25	25	21.76	21.83	21.74	22.8	2	
10	16QAM	50	0	21.76	21.82	21.73			
10	64QAM	1	0	21.75	21.89	21.79			
10	64QAM	1	25	21.88	22.09	21.82	22.8	2	
10	64QAM	1	49	21.89	22.00	21.82			
10	64QAM	25	0	20.72	20.83	20.74			
10	64QAM	25	12	20.72	20.82	20.70	21.8	3	
10	64QAM	25	25	20.70	20.81	20.73			
10	64QAM	50	0	20.75	20.82	20.74			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.69	23.76	23.68	24.8	0	
5	QPSK	1	12	23.77	23.77	23.75			
5	QPSK	1	24	23.80	23.75	23.77			
5	QPSK	12	0	22.75	22.76	22.73	23.8	1	
5	QPSK	12	7	22.75	22.72	22.69			
5	QPSK	12	13	22.77	22.69	22.69			
5	QPSK	25	0	22.74	22.73	22.73	23.8	1	
5	16QAM	1	0	23.10	23.10	23.06			
5	16QAM	1	12	23.11	23.12	23.03			
5	16QAM	1	24	23.16	23.09	23.11	22.8	2	
5	16QAM	12	0	21.74	21.74	21.72			
5	16QAM	12	7	21.73	21.73	21.70			
5	16QAM	12	13	21.76	21.68	21.66	22.8	2	
5	16QAM	25	0	21.74	21.75	21.77			
5	64QAM	1	0	21.87	21.93	21.91			
5	64QAM	1	12	21.94	21.95	21.92	22.8	2	
5	64QAM	1	24	21.97	21.88	21.98			
5	64QAM	12	0	20.77	20.77	20.72			
5	64QAM	12	7	20.78	20.70	20.73	21.8	3	
5	64QAM	12	13	20.74	20.68	20.69			
5	64QAM	25	0	20.74	20.72	20.70			

Band 25 ANT 1_DSI4&9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				26340			1850		
Frequency (MHz)									
20	QPSK	1	0	23.41	23.46	23.24	24.3	0	
20	QPSK	1	49	23.47	23.54	23.35			
20	QPSK	1	99	23.27	23.29	23.25			
20	QPSK	50	0	22.52	22.58	22.41	23.3	1	
20	QPSK	50	24	22.47	22.53	22.40			
20	QPSK	50	50	22.43	22.49	22.38			
20	QPSK	100	0	22.44	22.49	22.43	23.3	1	
20	16QAM	1	0	22.72	22.67	22.50			
20	16QAM	1	49	22.72	22.78	22.65			
20	16QAM	1	99	22.58	22.57	22.48	22.3	2	
20	16QAM	50	0	21.48	21.50	21.43			
20	16QAM	50	24	21.48	21.50	21.39			
20	16QAM	50	50	21.45	21.48	21.40	21.3	3	
20	16QAM	100	0	21.43	21.47	21.44			
20	64QAM	1	0	21.61	21.55	21.39			
20	64QAM	1	49	21.66	21.67	21.52	22.3	2	
20	64QAM	1	99	21.41	21.36	21.26			
20	64QAM	50	0	20.46	20.50	20.42			
20	64QAM	50	24	20.46	20.50	20.38	20.45	20.37	20.38
20	64QAM	50	50	20.41	20.37	20.36			
20	64QAM	100	0	20.42	20.45	20.39			
Channel				26115	26340	26615	1857.5		
Frequency (MHz)									
15	QPSK	1	0	23.49	23.44	23.24	24.3	0	
15	QPSK	1	37	23.43	23.42	23.33			
15	QPSK	1	74	23.39	23.36	23.33			
15	QPSK	36	0	22.46	22.52	22.33	23.3	1	
15	QPSK								



Band 25 ANT 4_DSI4&9														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 26140	Power Middle Ch. / 26340	Power High Ch. / 26590	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.31	22.30	22.14	23.3	0						
20	QPSK	1	49	22.35	22.37	22.25								
20	QPSK	1	99	22.15	22.23	22.11								
20	QPSK	50	0	21.35	21.36	21.27								
20	QPSK	50	24	21.32	21.31	21.25								
20	QPSK	50	50	21.32	21.33	21.21	22.3	1						
20	QPSK	100	0	21.34	21.35	21.23								
20	16QAM	1	0	21.56	21.62	21.43								
20	16QAM	1	49	21.64	21.65	21.48								
20	16QAM	1	99	21.48	21.48	21.30								
20	16QAM	50	0	20.40	20.40	20.24	21.3	2						
20	16QAM	50	24	20.41	20.38	20.22								
20	16QAM	50	50	20.35	20.36	20.20								
20	16QAM	100	0	20.30	20.33	20.19								
20	64QAM	1	0	20.41	20.50	20.30								
20	64QAM	1	49	20.44	20.48	20.45	21.3	2						
20	64QAM	1	99	20.31	20.34	20.15								
20	64QAM	50	0	19.37	19.34	19.22								
20	64QAM	50	24	19.36	19.33	19.17								
20	64QAM	50	50	19.28	19.30	19.14								
20	64QAM	100	0	19.30	19.32	19.21	20.3	3						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.36	22.30	22.15	23.3	0						
15	QPSK	1	37	22.33	22.36	22.21								
15	QPSK	1	74	22.24	22.25	22.16								
15	QPSK	36	0	21.37	21.28	21.14								
15	QPSK	36	20	21.31	21.32	21.17								
15	QPSK	36	39	21.28	21.27	21.16	22.3	1						
15	QPSK	75	0	21.32	21.33	21.19								
15	16QAM	1	0	21.61	21.56	21.41								
15	16QAM	1	37	21.69	21.61	21.41								
15	16QAM	1	74	21.52	21.51	21.34								
15	16QAM	36	0	20.36	20.30	20.17	21.3	2						
15	16QAM	36	20	20.32	20.31	20.22								
15	16QAM	36	39	20.31	20.28	20.13								
15	16QAM	75	0	20.33	20.33	20.20								
15	64QAM	1	0	20.45	20.37	20.30								
15	64QAM	1	37	20.52	20.46	20.34	21.3	2						
15	64QAM	1	74	20.42	20.34	20.28								
15	64QAM	36	0	19.41	19.33	19.17								
15	64QAM	36	20	19.38	19.30	19.17								
15	64QAM	36	39	19.30	19.38	19.15								
15	64QAM	75	0	19.30	19.29	19.16	20.3	3						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.31	22.34	22.17	23.3	0						
10	QPSK	1	25	22.36	22.33	22.22								
10	QPSK	1	49	22.29	22.36	22.18								
10	QPSK	25	0	21.33	21.36	21.19								
10	QPSK	25	12	21.32	21.42	21.23								
10	QPSK	25	25	21.40	21.37	21.25	22.3	1						
10	QPSK	50	0	22.36	22.29	22.21								
10	16QAM	1	0	21.63	21.64	21.47								
10	16QAM	1	25	21.62	21.69	21.41								
10	16QAM	1	49	21.65	21.68	21.45								
10	16QAM	25	0	20.36	20.38	20.22	21.3	2						
10	16QAM	25	12	20.36	20.40	20.21								
10	16QAM	25	25	20.39	20.39	20.20								
10	16QAM	50	0	21.38	21.36	21.21								
10	64QAM	1	0	20.55	20.61	20.37								
10	64QAM	1	25	20.50	20.50	20.34	21.3	2						
10	64QAM	1	49	20.54	20.54	20.39								
10	64QAM	25	0	19.35	19.40	19.19								
10	64QAM	25	12	19.40	19.41	19.21								
10	64QAM	25	25	19.38	19.41	19.21								
10	64QAM	50	0	20.41	20.43	20.18	20.3	3						
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.34	22.31	22.35	23.3	0						
5	QPSK	1	12	22.33	22.31	22.33								
5	QPSK	1	24	22.32	22.32	22.34								
5	QPSK	12	0	21.42	21.41	21.41								
5	QPSK	12	7	21.36	21.38	21.36								
5	QPSK	12	13	21.33	21.35	21.27	22.3	1						
5	QPSK	25	0	21.36	21.41	21.37								
5	16QAM	1	0	21.60	21.67	21.56								
5	16QAM	1	12	21.63	21.63	21.55								
5	16QAM	1	24	21.60	21.66	21.52								
5	16QAM	12	0	20.41	20.42	20.39	21.3	2						
5	16QAM	12	7	20.35	20.36	20.34								
5	16QAM	12	13	20.30	20.29	20.23								
5	16QAM	25	0	20.35	20.39	20.38								
5	64QAM	1	0	20.53	20.55	20.44								
5	64QAM	1	12	20.59	20.55	20.49	21.3	2						
5	64QAM	1	24	20.47	20.51	20.45								
5	64QAM	12	0	19.42	19.39	19.38								
5	64QAM	12	7	19.38	19.36	19.40								
5	64QAM	12	13	19.33	19.35	19.28								
5	64QAM	25	0	19.36	19.36	19.36	20.3	3						
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.35	22.36	22.31	23.3	0						
3	QPSK	1	8	22.33	22.33	22.30								
3	QPSK	1	14	22.31	22.30	22.33								
3	QPSK	8	0	21.34	21.38	21.33								
3	QPSK	8	4	21.31	21.38	21.32								
3	QPSK	8	7	21.32	21.37	21.28	22.3	1						
3	QPSK	15	0	21.35	21.38	21.33								
3	16QAM	1	0	21.59	21.65	21.53								
3	16QAM	1	8	21.56	21.64	21.48								
3	16QAM	1	14	21.52	21.69	21.46								
3	16QAM	1	20	21.50	21.60	20.41	21.3	2						
3	16QAM	8	4	20.40	20.43	20.41								
3	16QAM	8	7	20.41	20.42	20.40								
3	16QAM	15	0	20.36	20.42	20.34								
3	64QAM	1	0	20.57	20.57	20.42								
3	64QAM	1	8	20.55	20.59	20.47	21.3	2						
3	64QAM	1	14	20.53	20.59	20.44								
3	64QAM	8	4	19.41	19.40	19.38								
3	64QAM	8	4	19.40	19.40	19.35								
3	64QAM	8	7	19.35	19.41	19.32								
3	64QAM	15	0	19.33	19.32	19.31	20.3	3						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.32	22.36	22.24	23.3	0						
1.4	QPSK	1	3	22.32	22.36	22.36								
1.4	QPSK	1	5	22.33	22.36	22.35								
1.4	QPSK	3	0	22.35	22.32	22.32								
1.4	QPSK	3	1	22.35	22.36	22.31								
1.4	QPSK	3	3	22.34	22.36	22.33	22.3	1						
1.4	QPSK	6	0	21.37	21.42	21.33								
1.4	16QAM	1	0	21.61	21.62	21.45								
1.4	16QAM	1	5	21.56	21.63	21.47								
1.4	16QAM	3	0	21.40	21.31	21.33								
1.4	16QAM	3	1	21.38	21.39	21.33	21.3	2						
1.4	16QAM	3	3	21.37	21.37	21.33								
1.4	64QAM	1	0	20.46	20.47	20.39								
1.4	64QAM	1	5	20.48	20.59	20.41								
1.4	64QAM	3	0	20.48	20.44	20.44								
1.4	64QAM	3	1	20.48	20.46	20.41	20.3	3						
1.4	64QAM	3	3	20.46	20.44	20.44								
1.4	64QAM	6	0	19.29	19.39	19.28								
1.4	64QAM	6	0	19.29	19.39	19.28								
1.4	64QAM	6	0	19.29	19.39	19.28								



Band 66 ANT 4_DSI4&9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.32	21.38	21.26	22.3	0	
20	QPSK	1	49	21.35	21.41	21.30			
20	QPSK	1	99	21.36	21.39	21.32			
20	QPSK	50	0	20.36	20.43	20.30	21.3	1	
20	QPSK	50	24	20.34	20.40	20.29			
20	QPSK	50	50	20.34	20.42	20.39			
20	QPSK	100	0	20.30	20.38	20.31	21.3	1	
20	16QAM	1	0	20.33	20.36	20.26			
20	16QAM	1	49	20.41	20.42	20.40			
20	16QAM	1	99	20.33	20.40	20.32	20.3	2	
20	16QAM	50	0	19.36	19.54	19.38			
20	16QAM	50	24	19.43	19.57	19.41			
20	16QAM	50	50	19.49	19.62	19.43	19.3	3	
20	16QAM	100	0	19.46	19.57	19.42			
20	64QAM	1	0	19.31	19.43	19.29			
20	64QAM	1	49	19.52	19.62	19.46	20.3	2	
20	64QAM	1	99	19.43	19.39	19.46			
20	64QAM	50	0	18.33	18.45	18.50			
20	64QAM	50	24	18.46	18.52	18.54	19.3	3	
20	64QAM	50	50	18.48	18.59	18.38			
20	64QAM	100	0	18.45	18.57	18.42			
Channel				13047	13232	13297	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.15	21.18	21.14	22.3	0	
15	QPSK	1	37	21.15	21.34	21.14			
15	QPSK	1	74	21.25	21.30	21.27			
15	QPSK	36	0	20.23	20.37	20.17	21.3	1	
15	QPSK	36	20	20.20	20.16	20.06			
15	QPSK	36	39	20.27	20.30	20.15			
15	QPSK	75	0	20.11	20.32	20.23	21.3	1	
15	16QAM	1	0	20.18	20.26	20.08			
15	16QAM	1	37	20.34	20.33	20.27			
15	16QAM	1	74	20.12	20.15	20.14	20.3	2	
15	16QAM	36	0	19.18	19.38	19.20			
15	16QAM	36	20	19.36	19.39	19.25			
15	16QAM	36	39	19.30	19.56	19.33	19.3	3	
15	16QAM	75	0	19.26	19.49	19.26			
15	64QAM	1	0	19.10	19.16	19.06			
15	64QAM	1	37	19.31	19.47	19.39	20.3	2	
15	64QAM	1	74	19.26	19.20	19.39			
15	64QAM	36	0	18.15	18.35	18.30			
15	64QAM	36	20	18.32	18.27	18.30	19.3	3	
15	64QAM	36	39	18.23	18.36	18.27			
15	64QAM	75	0	18.21	18.51	18.31			
Channel				13197	13232	13267	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	21.20	21.18	21.20	22.3	0	
10	QPSK	1	25	21.16	21.38	21.25			
10	QPSK	1	49	21.30	21.27	21.19			
10	QPSK	25	0	20.12	20.21	20.16	21.3	1	
10	QPSK	25	12	20.23	20.15	20.22			
10	QPSK	25	25	20.10	20.36	20.31			
10	QPSK	50	0	20.12	20.30	20.12	21.3	1	
10	16QAM	1	0	20.27	20.12	20.14			
10	16QAM	1	25	20.16	20.25	20.16			
10	16QAM	1	49	20.23	20.18	20.16	20.3	2	
10	16QAM	25	0	19.28	19.49	19.20			
10	16QAM	25	12	19.34	19.50	19.17			
10	16QAM	25	25	19.40	19.49	19.36	20.3	2	
10	16QAM	50	0	19.38	19.52	19.31			
10	64QAM	1	0	19.18	19.19	19.07			
10	64QAM	1	25	19.38	19.39	19.26	20.3	2	
10	64QAM	1	49	19.22	19.32	19.41			
10	64QAM	25	0	19.12	18.35	18.37			
10	64QAM	25	12	18.26	18.40	18.42	19.3	3	
10	64QAM	25	25	18.34	18.45	18.27			
10	64QAM	50	0	18.25	18.35	18.18			
Channel				13197	13232	13267	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715.5	1745	1777.5			
5	QPSK	1	0	21.10	21.32	21.06	22.3	0	
5	QPSK	1	12	21.29	21.28	21.19			
5	QPSK	1	24	21.12	21.22	21.08			
5	QPSK	12	0	20.27	20.18	20.07	21.3	1	
5	QPSK	12	7	20.26	20.24	20.07			
5	QPSK	12	13	20.28	20.28	20.24			
5	QPSK	25	0	20.06	20.29	20.26	21.3	1	
5	16QAM	1	0	20.26	20.26	20.03			
5	16QAM	1	12	20.22	20.25	20.28			
5	16QAM	1	24	20.25	20.20	20.26	20.3	2	
5	16QAM	12	0	19.31	19.39	19.23			
5	16QAM	12	7	19.26	19.48	19.24			
5	16QAM	12	13	19.31	19.50	19.35	19.3	3	
5	16QAM	25	0	19.29	19.48	19.30			
5	64QAM	1	0	19.25	19.27	19.11			
5	64QAM	1	12	19.45	19.47	19.38	20.3	2	
5	64QAM	1	24	19.31	19.21	19.25			
5	64QAM	12	0	18.22	18.24	18.41			
5	64QAM	12	7	18.23	18.28	18.43	19.3	3	
5	64QAM	12	13	18.34	18.47	18.25			
5	64QAM	25	0	19.39	18.41	19.37			
Channel				13187	13232	13267	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	21.16	21.24	21.02	22.3	0	
3	QPSK	1	8	21.12	21.21	21.18			
3	QPSK	1	14	21.15	21.15	21.21			
3	QPSK	8	0	20.12	20.22	20.24	21.3	1	
3	QPSK	8	4	20.10	20.31	20.09			
3	QPSK	15	0	20.19	20.25	20.19			
3	16QAM	1	0	20.10	20.15	20.20	21.3	1	
3	16QAM	1	8	20.16	20.23	20.28			
3	16QAM	1	14	20.27	20.31	20.17			
3	16QAM	8	0	19.17	19.46	19.16	20.3	2	
3	16QAM	8	4	19.18	19.33	19.21			
3	16QAM	8	7	19.36	19.67	19.32			
3	16QAM	15	0	19.40	19.37	19.17	20.3	2	
3	64QAM	1	0	19.13	19.21	19.04			
3	64QAM	1	8	19.30	19.43	19.36			
3	64QAM	1	14	19.27	19.21	19.32	19.3	3	
3	64QAM	8	0	18.19	18.36	18.43			
3	64QAM	8	4	18.31	18.39	18.46			
3	64QAM	8	7	18.40	18.40	18.19	19.3	3	
3	64QAM	15	0	18.22	18.48	18.36			
Channel				13197	13232	13265			
Frequency (MHz)				1712.5	1745	1773.5			
1.4	QPSK	1	0	21.08	21.26	21.12	22.3	0	
1.4	QPSK	1	3	21.26	21.38	21.06			
1.4	QPSK	1	5	21.17	21.17	21.25			
1.4	QPSK	3	0	20.21	20.23	20.16	21.3	1	
1.4	QPSK	3	1	20.23	20.24	20.20			
1.4	QPSK	3	3	20.28	20.36	20.19			
1.4	QPSK	6	0	20.17	20.25	20.07	21.3	1	
1.4	16QAM	1	0	20.16	20.27	20.16			
1.4	16QAM	1	3	20.16	20.30	20.28			
1.4	16QAM	1	5	20.10	20.32	20.07	20.3	2	
1.4	16QAM	3	0	19.28	19.33	19.15			
1.4	16QAM	3	1	19.20	19.32	19.21			
1.4	16QAM	3	3	19.28	19.37	19.20	20.3	2	
1.4	64QAM	1	0	19.37	19.45	19.31			
1.4	64QAM	1	3	19.43	19.37	19.32			
1.4	64QAM	1	5	19.18	19.24	19.27	19.3	3	
1.4	64QAM	3	0	18.10	18.26	18.25			
1.4	64QAM	3	1	18.30	18.34	18.34			
1.4	64QAM	3	3	18.27	18.44	18.27	19.3	3	
1.4	64QAM	6	0	18.23	18.38	18.31			
1.4	64QAM	6	1	18.23	18.38	18.31			

Band 38 ANT 1_DSI4&9											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)			
Channel											
				37850	38000	38150					
Frequency (MHz)				23.40	23.44	23.32					
20	QPSK	1	0	23.36	23.41	23.32	23.8	0			
20	QPSK	1	49	23.48	23.50	23.44					
20	QPSK	1	99	23.37	23.41	23.31					
20	QPSK	50	0	22.48	22.50	22.41	22.8	1			
20	QPSK	50	24	22.42	22.45	22.35					
20	QPSK	50	50	22.46	22.48	22.40					
20	QPSK	100	0	22.41	22.43	22.37	22.8	1			
20	16QAM	1	0	22.43	22.58	22.40					
20	16QAM	1	49	22.63	22.62	22.62					
20	16QAM	1	99	22.63	22.64	22.61	21.8	2			
20	16QAM	50	0	21.48	21.47	21.52					
20	16QAM	50	24	21.56	21.57	21.49					
20	16QAM	50	50	21.55	21.54	21.44	21.8	2			
20	16QAM	100	0	21.52	21.46	21.52					
20	64QAM	1	0	21.09	21.07	21.07					
20	64QAM	1	49	21.26	21.27	21.26	20.8	3			
20	64QAM	1	99	21.26	21.15	21.13					
20	64QAM	50	0	20.36	20.49	20.38					
20	64QAM	50	24	20.51	20.52	20.45	20.8	3			
20	64QAM	50	50	20.57	20.48	20.43					
20	64QAM	100	0	20.48	20.50	20.45					
Channel											
Frequency (MHz)				2577.5 <th>2595<th>2612.5<td>1100-LRP limit (dBm)</td><td>MFR (dB)</td><td></td></th></th>	2595 <th>2612.5<td>1100-LRP limit (dBm)</td><td>MFR (dB)</td><td></td></th>	2612.5 <td>1100-LRP limit (dBm)</td> <td>MFR (dB)</td> <td></td>			1100-LRP limit (dBm)	MFR (dB)	
15	QPSK	1	0	23.38	23.44	23.44	23.8	0			
15	QPSK	1	37	23.47	23.46	23.48					
15	QPSK	1	74	23.41	23.44	23.38					
15	QPSK	36	0	22.44	22.50	22.50	22.8	1			
15	QPSK	36	20	22.50	22.42	22.47					
15	QPSK	36	39	22.39	22.45	22.47					
15	QPSK	75	0	22.48	22.49	22.42	22.8	1			
15	16QAM	1	0	22.47	22.43	22.42					
15	16QAM	1	37	22.47	22.44	22.42					
15	16QAM	1	74	22.52	22.59	22.46	21.8	2			
15	16QAM	36	0	21.58	21.53	21.58					
15	16QAM	36	20	21.57	21.67	21.52					
15	16QAM	36	39	21.39	21.42	21.42	21.8	2			
15	16QAM	75	0	21.40	21.43	21.43					
15	64QAM	1	0	21.43	21.47	21.37					
15	64QAM	1	37	21.51	21.45	21.44	20.8	3			
15	64QAM	1	74	21.13	21.21	21.12					
15	64QAM	36	0	20.21	20.22	20.22					
15	64QAM	36	20	20.27	20.22	20.19	20.8	3			
15	64QAM	36	39	20.41	20.40	20.41					
15	64QAM	75	0	20.47	20.48	20.44					
Channel											
Frequency (MHz)				37850	38000	38050			1100-LRP limit (dBm)	MFR (dB)	
10	QPSK	1	0	23.46	23.46	23.44	23.8	0			
10	QPSK	1	25	23.43	23.46	23.43					
10	QPSK	1	49	23.41	23.44	23.47					
10	QPSK	25	0	22.43	22.48	22.43	22.8	1			
10	QPSK	25	12	22.48	22.44	22.43					
10	QPSK	25	25	22.48	22.45	22.49					
10	QPSK	50	0	22.50	22.46	22.44	22.8	1			
10	16QAM	1	0	22.49	22.58	22.50					
10	16QAM	1	25	22.51	22.59	22.62					
10	16QAM	1	49	22.55	22.59	22.54	21.8	2			
10	16QAM	25	0	21.51	21.48	21.48					
10	16QAM	25	12	21.52	21.50	21.49					
10	16QAM	25	25	21.57	21.49	21.48	21.8	2			
10	16QAM	50	0	21.48	21.54	21.45					
10	64QAM	1	0	21.19	21.20	21.18					
10	64QAM	1	25	21.20	21.24	21.24	20.8	3			
10	64QAM	1	49	21.23	21.22	21.21					
10	64QAM	25	0	20.50	20.52	20.51					
10	64QAM	25	12	20.48	20.47	20.50	20.8	3			
10	64QAM	25	25	20.55	20.54	20.49					
10	64QAM	50	0	20.43	20.53	20.46					
Channel											
Frequency (MHz)				2572.5 <th>2595<th>2617.5<td>1100-LRP limit (dBm)</td><td>MFR (dB)</td><td></td></th></th>	2595 <th>2617.5<td>1100-LRP limit (dBm)</td><td>MFR (dB)</td><td></td></th>	2617.5 <td>1100-LRP limit (dBm)</td> <td>MFR (dB)</td> <td></td>			1100-LRP limit (dBm)	MFR (dB)	
5	QPSK	1	0	23.47	23.46	23.43	23.8	0			
5	QPSK	1	12	23.46	23.49	23.42					
5	QPSK	1	24	23.44	23.47	23.47					
5	QPSK	12	0	22.51	22.50	22.47	22.8	1			
5	QPSK	12	7	22.43	22.45	22.50					
5	QPSK	12	13	22.43	22.48	22.47					
5	QPSK	25	0	22.43	22.56	22.47	22.8	1			
5	16QAM	1	0	22.50	22.59	22.61					
5	16QAM	1	12	22.53	22.58	22.57					
5	16QAM	1	24	22.51	22.53	22.55	21.8	2			
5	16QAM	12	0	21.46	21.48	21.44					
5	16QAM	12	7	21.41	21.39	21.40					
5	16QAM	12	13	21.38	21.40	21.43	21.8	2			
5	16QAM	25	0	21.43	21.51	21.53					
5	64QAM	1	0	21.29	21.26	21.27					
5	64QAM	1	12	21.27	21.27	21.27	20.8	3			
5	64QAM	1	24	21.24	21.19	21.22					
5	64QAM	12	0	20.45	20.50	20.42					
5	64QAM	12	7	20.41	20.42	20.42	20.8	3			
5	64QAM	12	13	20.48	20.41	20.37					
5	64QAM	25	0	20.51	20.54	20.52					

Band 41 ANT 1 DSI4&9												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.29	22.39	22.41	22.40	22.39	23.8	0		
20	QPSK	1	49	22.44	22.49	22.58	22.51	22.47				
20	QPSK	1	99	22.46	22.50	22.52	22.50	22.45				
20	QPSK	50	0	21.64	21.66	21.72	21.69	21.54	22.8	1		
20	QPSK	50	24	21.60	21.63	21.70	21.63	21.57				
20	QPSK	50	50	21.48	21.50	21.60	21.57	21.52				
20	QPSK	100	0	21.49	21.52	21.64	21.56	21.54	22.8	1		
20	16QAM	1	0	21.48	21.51	21.64	21.56	21.52				
20	16QAM	1	49	21.64	21.70	21.81	21.81	21.69				
20	16QAM	1	99	21.59	21.57	21.59	21.58	21.54	21.8	2		
20	16QAM	50	0	20.49	20.50	20.56	20.64	20.57				
20	16QAM	50	24	20.37	20.37	20.42	20.42	20.39				
20	16QAM	50	50	20.61	20.55	20.68	20.64	20.57	21.8	2		
20	16QAM	100	0	20.55	20.57	20.64	20.62	20.57				
20	64QAM	1	0	20.55	20.57	20.64	20.62	20.57				
20	64QAM	1	49	20.32	20.32	20.51	20.41	20.31	21.8	2		
20	64QAM	1	99	20.27	20.27	20.31	20.23	20.21				
20	64QAM	50	0	19.47	19.45	19.58	19.56	19.56				
20	64QAM	50	24	19.30	19.30	19.42	19.42	19.34	20.8	3		
20	64QAM	50	50	19.55	19.60	19.83	19.61	19.58				
20	64QAM	100	0	19.46	19.48	19.68	19.54	19.49				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.63	22.63	22.63	22.63	22.63	Turn-up limit (dBm)	MFR (dB)		
5	QPSK	1	0	25.03	25.48	25.93	26.07	26.48				
15	QPSK	1	0	22.31	22.45	22.33	22.36	22.34	24	0		
15	QPSK	1	37	22.50	22.54	22.56	22.52	22.52				
15	QPSK	1	74	22.41	22.43	22.52	22.44	22.37				
15	QPSK	36	0	21.45	21.57	21.52	21.47	21.53	22.8	1		
15	QPSK	36	20	21.58	21.67	21.63	21.61	21.57				
15	QPSK	36	36	21.55	21.60	21.69	21.69	21.66				
15	QPSK	75	0	21.55	21.70	21.59	21.60	21.52	21.8	2		
15	16QAM	1	0	21.59	21.84	21.62	21.51	21.63				
15	16QAM	1	37	21.65	21.62	21.77	21.64	21.63				
15	16QAM	1	74	21.66	21.66	21.61	21.61	21.57	22.8	1		
15	16QAM	36	0	20.48	20.56	20.47	20.45	20.42				
15	16QAM	36	20	20.48	20.59	20.58	20.52	20.51				
15	16QAM	75	0	20.56	20.58	20.68	20.67	20.58	21.8	2		
15	16QAM	75	0	20.61	20.61	20.66	20.61	20.57				
15	64QAM	1	0	20.23	20.32	20.29	20.23	20.19				
15	64QAM	1	37	20.27	20.46	20.33	20.20	20.36	21.8	2		
15	64QAM	1	74	20.35	20.40	20.33	20.20	20.24				
15	64QAM	36	20	19.47	19.59	19.56	19.47	19.41				
15	64QAM	36	20	19.43	19.69	19.52	19.51	19.54	20.8	3		
15	64QAM	75	0	19.57	19.61	19.68	19.58	19.51				
15	64QAM	75	0	19.53	19.55	19.60	19.58	19.50				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.63	22.63	22.63	22.63	22.63	Turn-up limit (dBm)	MFR (dB)		
5	QPSK	1	0	22.21	22.47	22.42	22.23	22.19				
10	QPSK	1	25	22.46	22.48	22.50	22.53	22.44	24	0		
10	QPSK	1	49	22.34	22.39	22.39	22.42	22.35				
10	QPSK	25	0	21.46	21.48	21.42	21.45	21.46				
10	QPSK	25	0	21.54	21.61	21.49	21.45	21.48	22.8	1		
10	QPSK	25	25	21.47	21.60	21.58	21.55	21.41				
10	QPSK	50	0	21.44	21.68	21.48	21.51	21.50				
10	16QAM	1	0	21.58	21.61	21.61	21.54	21.50	22.8	1		
10	16QAM	1	25	21.53	21.73	21.66	21.51	21.60				
10	16QAM	1	49	21.51	21.54	21.48	21.51	21.50				
10	16QAM	25	0	20.40	20.42	20.40	20.34	20.35	21.8	2		
10	16QAM	25	12	20.42	20.44	20.44	20.38	20.45				
10	16QAM	25	25	20.43	20.50	20.44	20.48	20.43				
10	16QAM	50	0	20.52	20.47	20.65	20.59	20.51	21.8	2		
10	64QAM	1	0	20.20	20.21	20.21	20.20	20.19				
10	64QAM	1	25	20.29	20.36	20.23	20.20	20.26				
10	64QAM	1	49	20.17	20.23	20.20	20.24	20.09	20.8	3		
10	64QAM	25	0	19.41	19.50	19.50	19.35	19.34				
10	64QAM	25	12	19.46	19.67	19.42	19.39	19.43				
10	64QAM	25	25	19.55	19.49	19.46	19.37	19.39				
10	64QAM	50	0	19.40	19.54	19.48	19.36	19.38				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.50	22.55	22.54	22.48	22.49	Turn-up limit (dBm)	MFR (dB)		
5	QPSK	1	12	22.44	22.58	22.47	22.40	22.45	24	0		
5	QPSK	1	24	22.30	22.53	22.32	22.35	22.35				
5	QPSK	12	0	21.61	21.68	21.62	21.56	21.67				
5	QPSK	12	7	21.61	21.60	21.63	21.54	21.58	22.8	1		
5	QPSK	12	7	21.56	21.71	21.54	21.55	21.56				
5	QPSK	25	0	21.56	21.63	21.65	21.57	21.57				
5	16QAM	1	0	21.59	21.99	21.69	21.64	21.70	22.8	1		
5	16QAM	1	12	21.70	21.77	21.84	21.67	21.73				
5	16QAM	1	24	21.64	21.62	21.62	21.52	21.72				
5	16QAM	12	0	20.48	20.62	20.58	20.41	20.52	21.8	2		
5	16QAM	12	7	20.53	20.60	20.57	20.45	20.56				
5	16QAM	1	12	20.50	20.50	20.50	20.48	20.50				
5	64QAM	1	0	20.50	20.72	20.66	20.41	20.56	21.8	2		
5	64QAM	1	12	20.35	20.47	20.44	20.29	20.37				
5	64QAM	1	24	20.34	20.44	20.34	20.20	20.36				
5	64QAM	12	0	19.57	19.67	19.61	19.52	19.57	20.8	3		
5	64QAM	12	7	19.58	19.66	19.55	19.54	19.57				
5	64QAM	1	12	19.51	19.60	19.57	19.46	19.52				
5	64QAM	25	0	19.63	19.71	19.59	19.61	19.57				

Band 41 ANT 4 DS14&9														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Mode Ch. / Freq	Power Mode Ch. / Freq	Power High Mode Ch. / Freq	Power High Ch. / Freq	Tune-up Int. (dBm)	MPR (dB)				
Channel														
Frequency (MHz)				39750	40165	40520	41055	41490						
20				19.67	19.77	19.78	19.48	19.23	20.3	0				
20				19.75	19.78	19.79	19.60	19.36						
20				19.66	19.68	19.71	19.68	19.29						
20				19.81	19.83	19.80	19.80	19.65						
20				19.50	19.87	19.86	19.73	19.57	19.3	1				
20				19.90	19.86	19.84	19.70	19.56						
20				19.80	19.80	19.82	19.79	19.65						
20				19.82	19.95	19.80	19.70	19.43						
20				19.38	19.07	18.94	18.82	18.56	19.3	1				
20				19.89	19.88	19.88	19.75	19.54						
20				17.76	17.95	17.75	17.70	17.43						
20				17.87	18.02	17.90	17.73	17.57						
20				17.90	18.00	17.86	17.69	17.53	18.3	2				
20				17.84	17.85	17.85	17.60	17.45						
20				17.47	17.65	17.45	17.24	17.14						
20				17.64	17.77	17.63	17.46	17.31						
20				17.53	17.56	17.47	17.35	17.15	18.3	2				
20				16.76	16.89	16.70	16.73	16.44						
20				16.85	16.96	16.81	16.70	16.48						
20				16.89	16.95	16.82	16.71	16.47						
20				16.82	16.83	16.73	16.73	16.73	17.3	3				
Channel														
Frequency (MHz)				2563.5	2548.3	2593	2637.8	2682.5						
15				19.48	19.64	19.47	19.39	19.12	20.30	0				
15				19.81	19.80	19.83	19.44	19.36						
15				19.54	19.57	19.53	19.30	19.13						
15				19.59	19.74	19.68	19.51	19.27						
15				19.84	19.80	19.70	19.55	19.40	19.3	1				
15				19.74	19.80	19.67	19.53	19.28						
15				19.76	19.86	19.74	19.63	19.32						
15				19.63	19.79	19.65	19.51	19.29						
15				19.84	19.84	19.79	19.70	19.44	19.3	1				
15				19.79	19.87	19.72	19.56	19.39						
15				17.52	17.72	17.64	17.50	17.23						
15				17.65	17.76	17.60	17.52	17.20						
15				17.62	17.73	17.66	17.53	17.24	18.3	2				
15				17.66	17.76	17.65	17.62	17.37						
15				17.33	17.49	17.41	17.21	17.00						
15				17.45	17.58	17.45	17.24	17.02						
15				17.41	17.49	17.41	17.24	17.02	18.3	2				
15				16.56	16.80	16.66	16.51	16.23						
15				16.64	16.76	16.65	16.52	16.32						
15				16.62	16.77	16.65	16.48	16.26						
15				16.62	16.74	16.62	16.57	16.35	17.3	3				
Channel														
Frequency (MHz)				39700	40160	40520	41080	41540						
10				19.58	19.73	19.57	19.44	19.37	20.30	0				
10				19.59	19.69	19.65	19.41	19.23						
10				19.54	19.73	19.60	19.48	19.19						
10				19.86	19.87	19.75	19.64	19.45						
10				19.74	19.89	19.73	19.61	19.40	19.3	1				
10				19.78	19.84	19.72	19.62	19.39						
10				19.76	19.83	19.72	19.66	19.46						
10				19.71	19.91	19.74	19.63	19.44						
10				19.82	19.97	19.85	19.61	19.49	19.3	1				
10				19.80	19.92	19.83	19.61	19.46						
10				17.60	17.80	17.70	17.62	17.40						
10				17.70	17.87	17.74	17.56	17.35						
10				17.74	17.89	17.77	17.56	17.39	18.3	2				
10				17.71	17.85	17.70	17.80	17.39						
10				17.40	17.65	17.45	17.30	17.12						
10				17.49	17.60	17.53	17.33	17.08						
10				17.46	17.54	17.45	17.27	17.09	18.3	2				
10				16.70	16.88	16.71	16.58	16.40						
10				16.74	16.87	16.68	16.64	16.39						
10				16.82	16.86	16.81	16.64	16.37						
10				16.72	16.78	16.65	16.62	16.36	17.3	3				
Channel														
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5						
5				19.53	19.61	19.54	19.40	19.19	20.30	0				
5				19.50	19.54	19.44	19.28	19.12						
5				19.59	19.55	19.53	19.44	19.23						
5				19.64	19.70	19.64	19.53	19.27						
5				19.57	19.77	19.62	19.52	19.28	19.3	1				
5				19.00	19.74	19.64	19.40	19.26						
5				19.65	19.73	19.70	19.51	19.31						
5				19.71	19.74	19.74	19.55	19.39						
5				19.74	19.80	19.81	19.58	19.36	19.3	1				
5				19.70	19.80	19.75	19.80	19.44						
5				17.53	17.65	17.61	17.52	17.21						
5				17.54	17.64	17.58	17.41	17.26						
5				17.56	17.62	17.56	17.40	17.16	18.3	2				
5				17.62	17.73	17.64	17.40	17.26						
5				17.33	17.54	17.45	17.12	17.08						
5				17.17	17.34	17.40	17.17	17.00						
5				17.25	17.47	17.43	17.20	17.01	18.3	2				
5				16.57	16.71	16.67	16.47	16.24						
5				16.57	16.71	16.62	16.49	16.19						
5				16.55	16.75	16.60	16.42	16.25						
5				16.68	16.78	16.70	16.53	16.21	17.3	3				

Band 41 HPUE ANT 4 DS14&9											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Mode Ch. / Freq	Power Mode Ch. / Freq	Power High Mode Ch. / Freq	Power High Ch. / Freq	Tune-up Int. (dBm)	MPR (dB)	
Channel											
Frequency (MHz)				39750	40165	40520	41055	41490			
20				22.6							

Conducted Power for DSIS

GSM850 ANT 1_DSIS	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	33.30	23.22	23.43	23.23	24.30
GSM 1 Tx slot	32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot	32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots	30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots	27.73	27.85	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots	27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)	32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)	30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)	27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)	27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot	26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots	23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots	20.99	20.95	20.98	22.30	16.73	16.69	16.72	18.04
EDGE 4 Tx slots	20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 ANT 1_DSIS	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8	24.60	14.99	15.02	14.94	15.60
GSM 1 Tx slot	23.99	24.02	23.94	24.60	14.99	15.02	14.93	15.60
GPRS 1 Tx slot	23.99	24.04	23.93	24.60	14.99	15.04	14.93	15.60
GPRS 2 Tx slots	21.52	21.54	21.42	22.10	15.52	15.54	15.42	16.10
GPRS 3 Tx slots	19.32	19.42	19.29	19.80	15.06	15.16	15.03	15.54
GPRS 4 Tx slots	18.69	18.72	18.71	19.30	15.69	15.72	15.71	16.30
EDGE(GMSK 1 Tx slot)	23.93	24.13	23.92	24.60	14.93	15.13	14.92	15.60
EDGE(GMSK 2 Tx slots)	21.49	21.52	21.41	22.10	15.40	15.52	15.41	16.10
EDGE(GMSK 3 Tx slots)	19.31	19.40	19.28	19.80	15.05	15.14	15.02	15.54
EDGE(GMSK 4 Tx slots)	18.66	18.71	18.70	19.30	15.66	15.71	15.70	16.30
EDGE 1 Tx slot	18.95	18.96	18.70	20.10	9.95	9.96	9.70	11.10
EDGE 2 Tx slots	16.66	16.68	16.46	17.80	10.66	10.68	10.46	11.80
EDGE 3 Tx slots	15.68	15.73	15.55	16.10	11.42	11.47	11.29	11.84
EDGE 4 Tx slots	13.92	13.98	13.86	14.30	10.92	10.98	10.86	11.30

Band	WCDMA II ANT 1_DSIS			Tune-up Limit (dBm)	WCDMA IV ANT 1_DSIS			Tune-up Limit (dBm)	WCDMA V ANT 1_DSIS			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1637	1638	1738		4367	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	15.63	15.64	15.59	16.60	16.01	16.05	15.99	17.10	22.20	22.23	22.10	23.30
3GPP Rel 99 RMC 12.2Kbps	15.64	15.65	15.60	16.60	16.03	16.07	16.00	17.10	22.21	22.24	22.11	23.30
3GPP Rel 6 HSDPA Subtest-1	14.52	14.60	14.52	15.60	14.87	14.91	14.90	16.10	21.20	21.32	21.31	22.30
3GPP Rel 6 HSDPA Subtest-2	14.49	14.56	14.60	15.60	14.83	14.87	14.80	16.10	21.25	21.27	21.24	22.30
3GPP Rel 6 HSDPA Subtest-3	14.20	14.22	14.30	14.60	14.38	14.41	14.45	15.10	20.84	20.87	20.85	21.80
3GPP Rel 6 HSDPA Subtest-4	14.16	14.19	14.25	14.60	14.47	14.40	14.49	15.10	20.75	20.80	20.77	21.80
3GPP Rel 6 DC-HSDPA Subtest-1	14.48	14.56	14.51	15.60	14.86	14.89	14.86	16.10	21.19	21.28	21.29	22.30
3GPP Rel 6 DC-HSDPA Subtest-2	14.47	14.55	14.56	15.60	14.81	14.85	14.78	16.10	21.21	21.24	21.21	22.30
3GPP Rel 6 DC-HSDPA Subtest-3	14.18	14.17	14.25	14.60	14.36	14.40	14.43	15.10	20.80	20.82	20.83	21.80
3GPP Rel 6 DC-HSDPA Subtest-4	14.12	14.16	14.24	14.60	14.45	14.35	14.45	15.10	20.71	20.75	20.75	21.80
3GPP Rel 6 HSUPA Subtest-1	12.86	12.98	12.94	13.60	13.32	13.38	13.40	14.10	19.63	19.63	19.55	20.30
3GPP Rel 6 HSUPA Subtest-2	11.43	11.42	11.47	12.60	11.85	11.83	11.80	13.10	18.11	18.16	18.01	19.30
3GPP Rel 6 HSUPA Subtest-3	12.47	12.46	12.47	13.60	12.90	12.89	12.95	14.10	19.17	19.12	18.99	20.30
3GPP Rel 6 HSUPA Subtest-4	11.97	11.94	11.96	13.10	12.36	12.38	12.36	13.60	18.63	18.56	18.51	19.80
3GPP Rel 6 HSUPA Subtest-5	14.36	14.39	14.47	15.60	14.92	14.87	14.84	16.10	21.20	21.16	20.96	22.30
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	14.50	14.63	14.40	15.60	14.93	14.88	14.67	16.10	21.22	21.04	20.82	22.30



Band 2 ANT 1_DSI5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 18700	Power Middle Ch. / 18900	Power High Ch. / 19100	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	15.31	15.29	15.28			16.3	0	
20	QPSK	1	49	15.39	15.51	15.29					
20	QPSK	1	99	15.16	15.27	15.24					
20	QPSK	50	0	15.43	15.44	15.43					
20	QPSK	50	24	15.43	15.42	15.42			16.3	0	
20	QPSK	50	50	15.32	15.40	15.30					
20	QPSK	100	0	15.40	15.41	15.38					
20	16QAM	1	0	15.40	15.45	15.26					
20	16QAM	1	49	15.44	15.43	15.18	16.3	0	16.3	0	
20	16QAM	1	99	15.41	15.43	15.19					
20	16QAM	50	0	15.49	15.38	15.48					
20	16QAM	50	24	15.45	15.48	15.46					
20	16QAM	50	50	15.33	15.38	15.36			16.3	0	
20	16QAM	100	0	15.32	15.37	15.43					
20	64QAM	1	0	15.36	15.44	15.26					
20	64QAM	1	49	15.41	15.45	15.37	16.3	0			
20	64QAM	1	99	15.36	15.49	15.26			16.3	0	
20	64QAM	50	0	15.32	15.47	15.23					
20	64QAM	50	24	15.43	15.42	15.41					
20	64QAM	50	50	15.37	15.35	15.29					
20	64QAM	100	0	15.38	15.36	15.42			16.3	0	
Channel											
Frequency (MHz)											
16	QPSK	1	0	15.30	15.24	15.24			16.3	0	
15	QPSK	1	37	15.35	15.45	15.24					
15	QPSK	1	74	15.08	15.22	15.14					
15	QPSK	36	0	15.34	15.35	15.37					
15	QPSK	36	20	15.38	15.33	15.36			16.3	0	
15	QPSK	36	39	15.23	15.31	15.25					
15	QPSK	75	0	15.32	15.34	15.30					
15	16QAM	1	0	15.29	15.37	15.22					
15	16QAM	1	37	15.35	15.39	15.14	16.3	0	16.3	0	
15	16QAM	1	74	15.38	15.37	15.13					
15	16QAM	36	0	15.39	15.31	15.45					
15	16QAM	36	20	15.35	15.40	15.37					
15	16QAM	36	39	15.24	15.29	15.28			16.3	0	
15	16QAM	75	0	15.25	15.31	15.38					
15	64QAM	1	0	15.30	15.35	15.23					
15	64QAM	1	37	15.38	15.38	15.29					
15	64QAM	1	74	15.31	15.43	15.20			16.3	0	
15	64QAM	36	0	15.29	15.39	15.15					
15	64QAM	36	20	15.33	15.34	15.34					
15	64QAM	36	39	15.31	15.27	15.22					
15	64QAM	75	0	15.32	15.26	15.36			16.3	0	
Channel											
Frequency (MHz)											
10	QPSK	1	0	15.29	15.25	15.25			16.3	0	
10	QPSK	1	25	15.35	15.47	15.26					
10	QPSK	1	49	15.12	15.20	15.16					
10	QPSK	25	0	15.38	15.35	15.37					
10	QPSK	25	12	15.35	15.36	15.35			16.3	0	
10	QPSK	25	25	15.27	15.32	15.21					
10	QPSK	50	0	15.33	15.34	15.31					
10	16QAM	1	0	15.30	15.36	15.18					
10	16QAM	1	25	15.40	15.36	15.13	16.3	0	16.3	0	
10	16QAM	1	49	15.34	15.36	15.10					
10	16QAM	25	0	15.42	15.35	15.39					
10	16QAM	25	12	15.35	15.46	15.38					
10	16QAM	25	25	15.24	15.30	15.33			16.3	0	
10	16QAM	50	0	15.26	15.31	15.34					
10	64QAM	1	0	15.33	15.41	15.19					
10	64QAM	1	25	15.31	15.42	15.33					
10	64QAM	1	49	15.33	15.46	15.18			16.3	0	
10	64QAM	25	0	15.29	15.37	15.24					
10	64QAM	25	12	15.36	15.32	15.33					
10	64QAM	25	25	15.30	15.31	15.19					
10	64QAM	50	0	15.32	15.30	15.35			16.3	0	
Channel											
Frequency (MHz)											
5	QPSK	1	0	15.29	15.24	15.24			16.3	0	
5	QPSK	1	12	15.30	15.45	15.26					
5	QPSK	1	24	15.13	15.22	15.14					
5	QPSK	12	0	15.40	15.36	15.35					
5	QPSK	12	7	15.35	15.32	15.38			16.3	0	
5	QPSK	12	13	15.28	15.33	15.22					
5	QPSK	25	0	15.36	15.36	15.32					
5	16QAM	1	0	15.32	15.37	15.22					
5	16QAM	1	12	15.39	15.36	15.12	16.3	0	16.3	0	
5	16QAM	1	24	15.35	15.35	15.14					
5	16QAM	12	0	15.41	15.28	15.42					
5	16QAM	12	7	15.35	15.41	15.43					
5	16QAM	12	13	15.25	15.29	15.32			16.3	0	
5	16QAM	25	0	15.23	15.30	15.39					
5	64QAM	1	0	15.28	15.35	15.19					
5	64QAM	1	12	15.35	15.40	15.28					
5	64QAM	1	24	15.32	15.39	15.23			16.3	0	
5	64QAM	12	0	15.28	15.42	15.14					
5	64QAM	12	7	15.37	15.32	15.32					
5	64QAM	12	13	15.32	15.27	15.26					
5	64QAM	25	0	15.29	15.35	15.34			16.3	0	
Channel											
Frequency (MHz)											
3	QPSK	1	0	15.27	15.28	15.25			16.3	0	
3	QPSK	1	8	15.34	15.46	15.25					
3	QPSK	1	14	15.12	15.17	15.17					
3	QPSK	8	0	15.40	15.38	15.36					
3	QPSK	8	4	15.34	15.35	15.38			16.3	0	
3	QPSK	8	7	15.24	15.37	15.24					
3	QPSK	15	0	15.35	15.37	15.35					
3	16QAM	1	0	15.28	15.38	15.18					
3	16QAM	1	8	15.39	15.38	15.14	16.3	0	16.3	0	
3	16QAM	1	14	15.37	15.34	15.12					
3	16QAM	8	0	15.46	15.35	15.42					
3	16QAM	8	4	15.35	15.39	15.43					
3	16QAM	8	7	15.28	15.29	15.32			16.3	0	
3	16QAM	15	0	15.28	15.29	15.37					
3	64QAM	1	0	15.27	15.40	15.18					
3	64QAM	1	8	15.34	15.42	15.34					
3	64QAM	1	14	15.26	15.41	15.18			16.3	0	
3	64QAM	8	0	15.26	15.38	15.19					
3	64QAM	8	4	15.34	15.32	15.32					
3	64QAM	8	7	15.34	15.28	15.22					
3	64QAM	15	0	15.35	15.26	15.39			16.3	0	
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	15.26	15.25	15.23			16.3	0	
1.4	QPSK	1	3	15.29	15.42	15.22					
1.4	QPSK	1	5	15.07	15.17	15.18					
1.4	QPSK	3	0	15.35	15.41	15.33					
1.4	QPSK	3	1	15.34	15.36	15.32			16.3	0	
1.4	QPSK	6	0	15.33	15.33	15.33					
1.4	16QAM	1	0	15.29	15.39	15.18					
1.4	16QAM	1	3	15.40	15.40	15.12					
1.4	16QAM	1	5	15.32	15.37	15.10	16.3	0	16.3	0	
1.4	16QAM	3	0	15.41	15.29	15.43					
1.4	16QAM	3	1	15.38	15.42	15.39					
1.4	16QAM	3	3	15.30	15.31	15.28					
1.4	64QAM	1	0	15.29	15.27	15.38	16.3	0	16.3	0	
1.4	64QAM	1	3	15.35	15.42	15.34					
1.4	64QAM	1	5	15.31	15.39	15.20					
1.4	64QAM	3	0	15.28	15.38	15.16					
1.4	64QAM	3	1	15.34	15.36	15.31			16.3	0	
1.4	64QAM	3	3	15.33	15.30	15.19					
1.4	64QAM	6	0	15.32	15.31	15.33					
1.4	64QAM	6	3	15.32	15.31	15.33					



Band 5 ANT 1_DSIS												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				820	836.5	844						
10	QPSK	1	0	22.21	22.29	21.93	23.3	0				
10	QPSK	1	25	22.28	22.32	22.11						
10	QPSK	1	49	22.27	22.31	22.01						
10	QPSK	25	0	22.30	22.31	22.04						
10	QPSK	25	12	22.27	22.30	22.10	23.3	0				
10	QPSK	25	25	22.21	22.28	22.00						
10	QPSK	50	0	22.22	22.30	22.09						
10	16QAM	1	0	22.25	22.30	22.09						
10	16QAM	1	25	22.26	22.25	22.10	23.3	0				
10	16QAM	1	49	22.24	22.28	22.06						
10	16QAM	25	0	21.54	21.45	21.06						
10	16QAM	25	12	21.59	21.44	21.20						
10	16QAM	25	25	21.42	21.59	21.26	22.8	0.5				
10	16QAM	50	0	21.46	21.42	21.21						
10	64QAM	1	0	21.67	21.53	21.31						
10	64QAM	1	25	21.75	21.75	20.99						
10	64QAM	1	49	21.54	21.63	21.06	22.8	0.5				
10	64QAM	25	0	20.43	20.56	20.20						
10	64QAM	25	12	20.49	20.54	20.20						
10	64QAM	25	25	20.52	20.58	20.08						
10	64QAM	50	0	20.54	20.43	20.08	21.8	1.5				
Channel				20425	20525	20625						
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	22.19	22.27	22.08			23.3	0		
5	QPSK	1	12	22.19	22.25	22.23						
5	QPSK	1	24	22.17	22.27	22.17						
5	QPSK	12	0	22.20	22.23	22.17						
5	QPSK	12	7	22.22	22.24	22.26	23.3	0				
5	QPSK	12	13	22.17	22.19	22.15						
5	QPSK	25	0	22.12	22.23	22.22						
5	16QAM	1	0	22.19	22.22	22.24						
5	16QAM	1	12	22.17	22.21	22.27	23.3	0				
5	16QAM	1	24	22.20	22.22	22.17						
5	16QAM	12	0	21.50	21.42	21.16						
5	16QAM	12	7	21.54	21.38	21.36						
5	16QAM	12	13	21.39	21.54	21.43	22.8	0.5				
5	16QAM	25	0	21.38	21.35	21.32						
5	64QAM	1	0	21.63	21.43	21.48						
5	64QAM	1	12	21.68	21.85	21.09						
5	64QAM	1	24	21.44	21.53	21.18	22.8	0.5				
5	64QAM	12	0	20.39	20.47	20.31						
5	64QAM	12	7	20.44	20.47	20.35						
5	64QAM	12	13	20.47	20.53	20.20						
5	64QAM	25	0	20.51	20.38	20.19	21.8	1.5				
Channel				20415	20525	20635						
Frequency (MHz)				825.5	836.5	847.5						
3	QPSK	1	0	22.18	22.26	22.09			23.3	0		
3	QPSK	1	8	22.18	22.27	22.28						
3	QPSK	1	14	22.20	22.24	22.17						
3	QPSK	8	0	22.22	22.24	22.16						
3	QPSK	8	4	22.18	22.22	22.27	23.3	0				
3	QPSK	8	7	22.17	22.21	22.15						
3	QPSK	15	0	22.15	22.25	22.24						
3	16QAM	1	0	22.15	22.22	22.21						
3	16QAM	1	8	22.19	22.19	22.26	23.3	0				
3	16QAM	1	14	22.20	22.21	22.20						
3	16QAM	8	0	21.51	21.36	21.23						
3	16QAM	8	4	21.54	21.39	21.31						
3	16QAM	8	7	21.35	21.53	21.43	22.8	0.5				
3	16QAM	15	0	21.38	21.38	21.37						
3	64QAM	1	0	21.60	21.50	21.48						
3	64QAM	1	8	21.71	21.68	21.09						
3	64QAM	1	14	21.50	21.59	21.17	22.8	0.5				
3	64QAM	8	0	20.36	20.50	20.33						
3	64QAM	8	4	20.39	20.50	20.30						
3	64QAM	8	7	20.45	20.49	20.19						
3	64QAM	15	0	20.47	20.38	20.25	21.8	1.5				
Channel				20407	20525	20643						
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	22.19	22.28	22.10			23.3	0		
1.4	QPSK	1	3	22.18	22.23	22.26						
1.4	QPSK	1	5	22.21	22.21	22.14						
1.4	QPSK	3	0	22.22	22.21	22.17						
1.4	QPSK	3	1	22.22	22.25	22.25	23.3	0				
1.4	QPSK	3	3	22.18	22.25	22.17						
1.4	QPSK	6	0	22.16	22.27	22.23						
1.4	16QAM	1	0	22.20	22.21	22.20						
1.4	16QAM	1	3	22.18	22.21	22.23	23.3	0				
1.4	16QAM	1	5	22.18	22.24	22.23						
1.4	16QAM	3	0	22.21	22.17	22.16						
1.4	16QAM	3	1	22.21	22.21	22.25						
1.4	16QAM	3	3	22.18	22.20	22.19	22.8	0.5				
1.4	16QAM	6	0	21.42	21.32	21.31						
1.4	64QAM	1	0	21.63	21.43	21.41						
1.4	64QAM	1	3	21.70	21.66	21.14						
1.4	64QAM	1	5	21.48	21.57	21.16	22.8	0.5				
1.4	64QAM	3	0	21.62	21.45	21.41						
1.4	64QAM	3	1	21.66	21.70	21.17						
1.4	64QAM	3	3	21.47	21.51	21.17						
1.4	64QAM	6	0	20.49	20.40	20.19	21.8	1.5				

Band 7 ANT 1 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	16.35	16.20	16.21	16.6	0		
20	QPSK	1	49	16.37	16.45	16.41				
20	QPSK	50	0	16.29	16.44	16.39				
20	QPSK	50	24	16.33	16.39	16.33				
20	QPSK	50	50	16.40	16.41	16.26	16.6	0		
20	QPSK	100	0	16.35	16.40	16.26				
20	16QAM	1	0	16.01	16.25	16.39				
20	16QAM	1	49	16.31	16.42	16.36				
20	16QAM	1	99	16.42	16.22	16.32	16.6	0		
20	16QAM	50	0	16.34	16.44	16.42				
20	16QAM	50	24	16.36	16.39	16.34				
20	16QAM	50	50	16.43	16.38	16.31				
20	16QAM	100	0	16.33	16.37	16.30	16.6	0		
20	64QAM	1	0	16.21	16.24	16.36				
20	64QAM	1	49	16.35	16.44	16.38				
20	64QAM	1	99	16.31	16.38	16.40				
20	64QAM	50	0	16.24	16.44	16.39	16.6	0		
20	64QAM	50	24	16.31	16.40	16.30				
20	64QAM	50	50	16.35	16.44	16.32				
20	64QAM	100	0	16.31	16.42	16.28				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	16.32	16.16	16.17	16.6	0		
15	QPSK	1	37	16.28	16.35	16.36				
15	QPSK	1	74	16.27	16.24	16.29				
15	QPSK	36	0	16.25	16.36	16.31				
15	QPSK	36	20	16.25	16.31	16.27	16.6	0		
15	QPSK	36	39	16.31	16.37	16.20				
15	QPSK	36	59	16.36	16.36	16.16				
15	QPSK	75	0	15.96	16.16	16.31				
15	16QAM	1	0	16.06	16.16	16.31	16.6	0		
15	16QAM	1	37	16.24	16.33	16.33				
15	16QAM	1	74	16.36	16.15	16.23				
15	16QAM	36	0	16.24	16.34	16.29				
15	16QAM	36	20	16.26	16.32	16.32	16.6	0		
15	16QAM	36	39	16.35	16.35	16.36				
15	16QAM	36	59	16.28	16.28	16.27				
15	16QAM	75	0	16.13	16.21	16.32				
15	64QAM	1	37	16.26	16.37	16.28	16.6	0		
15	64QAM	1	74	16.21	16.29	16.35				
15	64QAM	36	0	16.16	16.16	16.29				
15	64QAM	36	20	16.24	16.32	16.20				
15	64QAM	36	39	16.29	16.40	16.22	16.6	0		
15	64QAM	36	59	16.24	16.34	16.23				
15	64QAM	75	0	16.24	16.34	16.23				
15	64QAM	100	0	16.28	16.34	16.23				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	16.32	16.16	16.16	16.6	0		
10	QPSK	1	25	16.34	16.38	16.36				
10	QPSK	49	0	16.22	16.22	16.28				
10	QPSK	25	0	16.19	16.41	16.31				
10	QPSK	25	12	16.27	16.31	16.27	16.6	0		
10	QPSK	25	25	16.37	16.33	16.20				
10	QPSK	50	0	16.31	16.33	16.18				
10	QPSK	50	0	15.97	16.16	16.36				
10	16QAM	1	25	16.27	16.35	16.27	16.6	0		
10	16QAM	1	49	16.39	16.12	16.26				
10	16QAM	25	0	16.28	16.41	16.36				
10	16QAM	25	12	16.29	16.29	16.31				
10	16QAM	25	25	16.35	16.35	16.26	16.6	0		
10	16QAM	50	0	16.30	16.27	16.21				
10	64QAM	1	10	16.11	16.17	16.26				
10	64QAM	1	25	16.32	16.36	16.32				
10	64QAM	1	49	16.24	16.31	16.30	16.6	0		
10	64QAM	25	0	16.14	16.41	16.31				
10	64QAM	25	12	16.23	16.35	16.21				
10	64QAM	25	25	16.28	16.39	16.26				
10	64QAM	50	0	16.28	16.32	16.18	16.6	0		
10	64QAM	50	0	16.28	16.32	16.18				
10	64QAM	50	0	16.28	16.32	16.18				
10	64QAM	50	0	16.28	16.32	16.18				
Channel				20925	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	16.30	16.16	16.16	16.6	0		
5	QPSK	1	12	16.33	16.40	16.35				
5	QPSK	1	24	16.24	16.21	16.23				
5	QPSK	12	0	16.26	16.37	16.32				
5	QPSK	12	7	16.25	16.35	16.23	16.6	0		
5	QPSK	12	13	16.31	16.21	16.27				
5	QPSK	25	0	16.27	16.33	16.21				
5	16QAM	1	0	15.96	16.17	16.29				
5	16QAM	1	12	16.26	16.39	16.31	16.6	0		
5	16QAM	1	24	16.39	16.13	16.23				
5	16QAM	12	0	16.28	16.39	16.36				
5	16QAM	12	7	16.32	16.34	16.30				
5	16QAM	12	13	16.36	16.29	16.21	16.6	0		
5	16QAM	25	0	16.28	16.27	16.20				
5	64QAM	1	0	16.16	16.14	16.33				
5	64QAM	1	12	16.30	16.34	16.34				
5	64QAM	1	24	16.21	16.30	16.37	16.6	0		
5	64QAM	12	0	16.15	16.34	16.33				
5	64QAM	12	7	16.31	16.31	16.31				
5	64QAM	12	13	16.32	16.34	16.20				



Band 13 ANT 1_DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)										
10	QPSK	1	0		23.40		24.3	0		
10	QPSK	1	25		23.41					
10	QPSK	1	49		23.36					
10	QPSK	25	0		22.35		23.3	1		
10	QPSK	25	12		22.33					
10	QPSK	25	25		22.32					
10	QPSK	50	0		22.36		23.3	1		
10	16QAM	1	0		22.68					
10	16QAM	1	25		22.73					
10	16QAM	1	49		22.75		22.3	2		
10	16QAM	25	0		21.20					
10	16QAM	25	12		21.36					
10	16QAM	25	25		21.46		21.3	3		
10	16QAM	50	0		21.36					
10	64QAM	1	0		21.48					
10	64QAM	1	25		21.55		22.3	2		
10	64QAM	1	49		21.54					
10	64QAM	25	0		20.21					
10	64QAM	25	12		20.36		21.3	3		
10	64QAM	25	25		20.43					
10	64QAM	50	0		20.32					
Channel				23205	23230	23255	Tune-up limit (dBm)			
Frequency (MHz)										
5	QPSK	1	0	23.35	23.37	23.38	24.3	0		
5	QPSK	1	12	23.31	23.37	23.38				
5	QPSK	1	24	23.32	23.36	23.39				
5	QPSK	12	0	22.31	22.32	22.43	23.3	1		
5	QPSK	12	7	22.38	22.37	22.35				
5	QPSK	12	13	22.39	22.33	22.49				
5	QPSK	25	0	22.35	22.35	22.40	23.3	1		
5	16QAM	1	0	22.75	22.71	22.62				
5	16QAM	1	12	22.75	22.72	22.77				
5	16QAM	1	24	22.73	22.76	22.83	22.3	2		
5	16QAM	12	0	21.29	21.32	21.38				
5	16QAM	12	7	21.38	21.35	21.36				
5	16QAM	12	13	21.39	21.32	21.43	22.3	2		
5	16QAM	25	0	21.37	21.36	21.38				
5	64QAM	1	0	21.60	21.58	21.55				
5	64QAM	1	12	21.65	21.57	21.62	22.3	2		
5	64QAM	1	24	21.61	21.53	21.55				
5	64QAM	12	0	20.31	20.33	20.44				
5	64QAM	12	7	20.40	20.38	20.37	21.3	3		
5	64QAM	12	13	20.42	20.34	20.47				
5	64QAM	25	0	20.35	20.36	20.35				

Band 17 ANT 1_DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				23760	23790	23800	709	710	711	
Frequency (MHz)										
10	QPSK	1	0	22.82	22.80	22.69	23.8	0		
10	QPSK	1	25	22.88	22.89	22.81				
10	QPSK	1	49	22.87	22.84	22.78				
10	QPSK	25	0	22.85	22.87	22.81	23.8	0		
10	QPSK	25	12	22.80	22.81	22.84				
10	QPSK	25	25	22.81	22.83	22.82				
10	QPSK	50	0	22.85	22.86	22.70	23.8	0		
10	16QAM	1	0	22.84	22.87	22.75				
10	16QAM	1	25	22.82	22.88	22.73				
10	16QAM	1	49	22.83	22.85	22.76	22.8	1		
10	16QAM	25	0	21.71	21.86	21.73				
10	16QAM	25	12	21.77	21.86	21.70				
10	16QAM	25	25	21.74	21.85	21.70	22.8	1		
10	16QAM	50	0	21.73	21.77	21.72				
10	64QAM	1	0	21.76	21.83	21.76				
10	64QAM	1	25	21.89	22.05	21.91	22.8	1		
10	64QAM	1	49	21.83	21.94	21.93				
10	64QAM	25	0	20.67	20.77	20.70				
10	64QAM	25	12	20.72	20.80	20.72	21.8	2		
10	64QAM	25	25	20.71	20.83	20.73				
10	64QAM	50	0	20.76	20.83	20.68				
Channel				23755	23790	23825	706.5	710	713.5	
Frequency (MHz)										
5	QPSK	1	0	22.78	22.79	22.65	23.8	0		
5	QPSK	1	12	22.79	22.82	22.72				
5	QPSK	1	24	22.78	22.79	22.76				
5	QPSK	12	0	22.76	22.76	22.75	23.8	0		
5	QPSK	12	7	22.71	22.73	22.75				
5	QPSK	12	13	22.75	22.74	22.74				
5	QPSK	25	0	22.77	22.79	22.67	23.8	0		
5	16QAM	1	0	22.81	22.82	22.66				
5	16QAM	1	12	22.76	22.85	22.67				
5	16QAM	1	24	22.78	22.77	22.70	22.8	1		
5	16QAM	12	0	21.67	21.76	21.69				
5	16QAM	12	7	21.70	21.77	21.67				
5	16QAM	12	13	21.70	21.80	21.65	22.8	1		
5	16QAM	25	0	21.67	21.69	21.64				
5	64QAM	1	0	21.66	21.73	21.71				
5	64QAM	1	12	21.79	21.96	21.85	21.8	2		
5	64QAM	1	24	21.74	21.89	21.67				
5	64QAM	12	0	20.58	20.74	20.63				
5	64QAM	12	7	20.64	20.77	20.64	21.8	2		
5	64QAM	12	13	20.68	20.78	20.68				
5	64QAM	25	0	20.67	20.80	20.64				

Band 25 ANT 1_DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				26140	26340	26500	1859	1860	1905	
Frequency (MHz)										
20	QPSK	1	0	15.46	15.49	15.42	16.3	0		
20	QPSK	1	49	15.50	15.57	15.56				
20	QPSK	1	99	15.29	15.38	15.36				
20	QPSK	50	0	15.52	15.55	15.54	16.3	0		
20	QPSK	50	24	15.51	15.53	15.52				
20	QPSK	50	50	15.50	15.50	15.52				
20	QPSK	100	0	15.47	15.52	15.51	16.3	0		
20	16QAM	1	0	15.43	15.52	15.55				
20	16QAM	1	49	15.45	15.52	15.50				
20	16QAM	1	99	15.47	15.53	15.55	16.3	0		
20	16QAM	50	0	15.46	15.51	15.52				
20	16QAM	50	24	15.54	15.54	15.51				
20	16QAM	50	50	15.48	15.53	15.53	16.3	0		
20	16QAM	100	0	15.48	15.50	15.49				
20	64QAM	1	0	15.44	15.51	15.52				
20	64QAM	1	49	15.43	15.52	15.52	16.3	0		
20	64QAM	1	99	15.43	15.52	15.54				
20	64QAM	50	0	15.47						

Band 25 ANT 4																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 26140	Power Middle Ch. / 26340	Power High Ch. / 26590	Tune-up limit (dBm)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.31	22.30	22.14	23.3	0								
20	QPSK	1	49	22.35	22.36	22.25										
20	QPSK	1	99	22.15	22.23	22.11										
20	QPSK	50	0	21.35	21.36	21.27										
20	QPSK	50	24	21.32	21.31	21.25										
20	QPSK	50	50	21.32	21.33	21.21	22.3	1								
20	QPSK	100	0	21.34	21.35	21.23										
20	16QAM	1	0	21.56	21.62	21.43										
20	16QAM	1	49	21.64	21.65	21.48										
20	16QAM	1	99	21.48	21.48	21.30										
20	16QAM	50	0	20.40	20.36	20.24	21.3	2								
20	16QAM	50	24	20.41	20.38	20.22										
20	16QAM	50	50	20.35	20.27	20.20										
20	16QAM	100	0	20.30	20.33	20.19										
20	64QAM	1	0	20.41	20.50	20.30										
20	64QAM	1	49	20.44	20.48	20.45	21.3	2								
20	64QAM	1	99	20.31	20.34	20.15										
20	64QAM	50	0	19.37	19.34	19.17										
20	64QAM	50	24	19.36	19.33	19.22										
20	64QAM	50	50	19.28	19.30	19.14										
20	64QAM	100	0	19.30	19.32	19.21	20.3	3								
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.36	22.30	22.15	23.3	0								
15	QPSK	1	37	22.33	22.36	22.21										
15	QPSK	1	74	22.24	22.25	22.16										
15	QPSK	36	0	21.37	21.28	21.14										
15	QPSK	36	20	21.31	21.32	21.17										
15	QPSK	36	39	21.28	21.27	21.16	22.3	1								
15	QPSK	75	0	21.32	21.33	21.19										
15	16QAM	1	0	21.61	21.56	21.41										
15	16QAM	1	37	21.69	21.61	21.41										
15	16QAM	1	74	21.52	21.51	21.34										
15	16QAM	36	0	20.36	20.30	20.17	21.3	2								
15	16QAM	36	20	20.32	20.31	20.22										
15	16QAM	36	39	20.31	20.28	20.13										
15	16QAM	75	0	20.33	20.33	20.20										
15	64QAM	1	0	20.45	20.47	20.33										
15	64QAM	1	37	20.52	20.46	20.34	21.3	2								
15	64QAM	1	74	20.42	20.34	20.28										
15	64QAM	36	0	19.41	19.33	19.17										
15	64QAM	36	20	19.38	19.30	19.17										
15	64QAM	36	39	19.30	19.38	19.16										
15	64QAM	75	0	19.30	19.29	19.15	20.3	3								
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.31	22.34	22.17	23.3	0								
10	QPSK	1	25	22.36	22.33	22.22										
10	QPSK	1	49	22.29	22.36	22.18										
10	QPSK	25	0	21.33	21.36	21.19										
10	QPSK	25	12	21.32	21.42	21.23										
10	QPSK	25	12	21.40	21.37	21.25	22.3	1								
10	QPSK	50	0	22.36	22.29	22.21										
10	16QAM	1	0	21.63	21.64	21.47										
10	16QAM	1	25	21.62	21.69	21.41										
10	16QAM	1	49	21.65	21.68	21.45										
10	16QAM	25	0	20.36	20.36	20.22	21.3	2								
10	16QAM	25	12	20.36	20.40	20.21										
10	16QAM	25	25	20.35	20.36	20.20										
10	16QAM	50	0	21.38	21.36	21.21										
10	64QAM	1	0	20.55	20.61	20.37										
10	64QAM	1	25	20.50	20.50	20.34	21.3	2								
10	64QAM	1	49	20.54	20.54	20.39										
10	64QAM	25	0	19.35	19.35	19.19										
10	64QAM	25	12	19.40	19.41	19.21										
10	64QAM	25	25	19.38	19.41	19.21										
10	64QAM	50	0	20.41	20.43	20.18	20.3	3								
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.34	22.31	22.35	23.3	0								
5	QPSK	1	12	22.33	22.31	22.33										
5	QPSK	1	24	22.32	22.31	22.34										
5	QPSK	12	0	21.42	21.41	21.41										
5	QPSK	12	7	21.36	21.38	21.36										
5	QPSK	12	13	21.33	21.35	21.27	22.3	1								
5	QPSK	25	0	21.36	21.41	21.37										
5	16QAM	1	0	21.60	21.67	21.56										
5	16QAM	1	12	21.63	21.63	21.65										
5	16QAM	1	24	21.60	21.66	21.52										
5	16QAM	12	0	20.41	20.42	20.39	21.3	2								
5	16QAM	12	7	20.35	20.36	20.34										
5	16QAM	12	13	20.30	20.29	20.23										
5	16QAM	25	0	20.35	20.39	20.38										
5	64QAM	1	0	20.53	20.55	20.44										
5	64QAM	1	12	20.59	20.55	20.49	21.3	2								
5	64QAM	1	24	20.47	20.51	20.45										
5	64QAM	12	0	19.42	19.39	19.38										
5	64QAM	12	7	19.38	19.36	19.40										
5	64QAM	12	13	19.33	19.35	19.28										
5	64QAM	25	0	19.36	19.36	19.36	20.3	3								
Channel																
Frequency (MHz)																
3	QPSK	1	0	22.35	22.36	22.31	23.3	0								
3	QPSK	1	8	22.33	22.33	22.30										
3	QPSK	1	14	22.31	22.30	22.33										
3	QPSK	8	0	21.34	21.38	21.33										
3	QPSK	8	4	21.31	21.38	21.32										
3	QPSK	8	7	21.32	21.37	21.28	22.3	1								
3	QPSK	15	0	21.35	21.38	21.33										
3	16QAM	1	0	21.59	21.65	21.53										
3	16QAM	1	8	21.56	21.64	21.48										
3	16QAM	1	14	21.52	21.66	21.46										
3	16QAM	8	0	20.43	20.43	20.41	21.3	2								
3	16QAM	8	4	20.40	20.43	20.41										
3	16QAM	8	7	20.41	20.42	20.40										
3	16QAM	15	0	20.36	20.42	20.34	21.3	2								
3	64QAM	1	0	20.57	20.57	20.42										
3	64QAM	1	8	20.55	20.55	20.47										
3	64QAM	1	14	20.53	20.53	20.44										
3	64QAM	8	0	19.41	19.40	19.38										
3	64QAM	8	4	19.40	19.40	19.35	20.3	3								
3	64QAM	8	7	19.35	19.41	19.32										
3	64QAM	15	0	19.33	19.32	19.31										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	22.32	22.36	22.34	23.3	0								
1.4	QPSK	1	3	22.32	22.36	22.36										
1.4	QPSK	1	5	22.33	22.36	22.35										
1.4	QPSK	3	0	22.35	22.32	22.32										
1.4	QPSK	3	1	22.35	22.36	22.31										
1.4	QPSK	3	3	22.34	22.36	22.33	23.3	0								
1.4	QPSK	6	0	21.37	21.36	21.33										
1.4	16QAM	1	0	21.61	21.62	21.45										
1.4	16QAM	1	3	21.61	21.62	21.46										
1.4	16QAM	1	5	21.56	21.63	21.47										
1.4	16QAM	3	0	21.40	21.31	21.33	23.3	0								
1.4	16QAM	3	1	21.38	21.39	21.33										
1.4	16QAM	3	2	21.37	21.37	21.33										
1.4	64QAM	1	0	20.46	20.47	20.39	23.3	0								
1.4	64QAM	1	0	20.55	20.51	20.43										
1.4	64QAM	1	3	20.45	20.51	20.52										
1.4	64QAM	1	5	20.48	20.59	20.41										
1.4	64QAM	3	0	20.48	20.44	20.44										
1.4	64QAM	3	1	20.45	20.44	20.44	23.3	0								
1.4	64QAM	3	2	20.46	20.44	20.44										
1.4	64QAM	6	0	19.29	19.39	19.28										

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372	694		
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	21.95	22.05	22.08	22.8	0	
20	QPSK	1	49	22.12	22.27	22.18			
20	QPSK	1	99	22.02	22.11	22.06			
20	QPSK	50	0	22.07	22.25	22.17			
20	QPSK	50	24	22.04	22.19	22.10	22.8	0	
20	QPSK	50	50	22.00	22.18	22.09			
20	QPSK	100	0	22.17	22.22	22.20			
20	16QAM	1	0	21.92	21.95	22.03			
20	16QAM	1	49	22.08	22.25	22.16	22.8	0	
20	16QAM	1	99	21.93	22.02	22.03			
20	16QAM	50	0	21.88	22.01	22.04			
20	16QAM	50	24	22.11	22.23	22.15			
20	16QAM	50	50	21.90	22.02	22.01	22.8	0	
20	16QAM	100	0	22.08	22.24	22.08			
20	64QAM	1	0	21.87	21.95	22.02			
20	64QAM	1	49	22.07	22.22	22.16			
20	64QAM	1	99	21.93	22.04	21.98	21.8	1	
20	64QAM	50	0	21.11	21.28	21.25			
20	64QAM	50	24	21.22	21.31	21.31			
20	64QAM	50	50	21.25	21.37	21.29			
20	64QAM	100	0	21.20	21.34	21.15	695.5		
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5	694		
15	QPSK	1	0	21.92	21.99	22.05			
15	QPSK	1	37	22.09	22.26	22.14	22.8	0	
15	QPSK	1	74	21.95	22.08	22.02			
15	QPSK	36	0	22.03	22.18	22.11			
15	QPSK	36	20	21.98	22.16	22.02			
15	QPSK	36	39	21.92	22.14	22.02	22.8	0	
15	QPSK	75	0	22.07	22.12	22.16			
15	16QAM	1	0	21.82	21.86	21.96			
15	16QAM	1	37	21.98	22.18	22.07			
15	16QAM	1	74	21.89	21.98	21.99	22.8	0	
15	16QAM	36	0	21.81	21.96	21.98			
15	16QAM	36	20	22.03	22.18	22.09			
15	16QAM	36	39	21.96	21.97	21.92			
15	16QAM	75	0	22.04	22.16	21.98	22.8	0	
15	64QAM	1	0	21.81	21.86	21.87			
15	64QAM	1	37	22.03	22.13	22.09			
15	64QAM	1	74	21.85	21.97	21.88			
15	64QAM	36	0	21.01	21.22	21.21	21.8	1	
15	64QAM	36	20	21.18	21.26	21.26			
15	64QAM	36	39	21.19	21.27	21.25			
15	64QAM	75	0	21.15	21.24	21.07			
Channel				133172	133297	133422	694		
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	21.81	21.98	22.01	22.8	0	
10	QPSK	1	25	22.08	22.22	22.14			
10	QPSK	1	49	21.92	22.03	21.96			
10	QPSK	25	0	22.00	22.22	22.12			
10	QPSK	25	12	21.96	22.14	22.00	22.8	0	
10	QPSK	25	25	21.90	22.12	21.99			
10	QPSK	50	0	22.14	22.13	22.13			
10	16QAM	1	0	21.87	21.91	21.98			
10	16QAM	1	25	21.98	22.21	22.12	22.8	0	
10	16QAM	1	49	21.90	21.97	21.94			
10	16QAM	25	0	21.78	21.93	21.99			
10	16QAM	25	12	22.01	22.13	22.11			
10	16QAM	25	25	21.93	21.97	21.93	22.8	0	
10	16QAM	50	0	22.05	22.16	22.03			
10	64QAM	1	0	21.78	21.85	21.92			
10	64QAM	1	25	21.97	22.14	22.07			
10	64QAM	1	49	21.83	22.01	21.89	21.8	1	
10	64QAM	25	0	21.01	21.22	21.22			
10	64QAM	25	12	21.13	21.28	21.21			
10	64QAM	25	25	21.17	21.27	21.20			
10	64QAM	50	0	21.15	21.26	21.10	695.5		
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5	694		
5	QPSK	1	0	21.89	21.96	21.98			
5	QPSK	1	12	22.08	22.22	22.15	22.8	0	
5	QPSK	1	24	21.97	22.02	21.99			
5	QPSK	12	0	21.99	22.17	22.07			
5	QPSK	12	7	21.94	22.13	22.00			
5	QPSK	12	13	21.95	22.12	22.00	22.8	0	
5	QPSK	25	0	22.13	22.17	22.16			
5	16QAM	1	0	21.86	21.89	21.95			
5	16QAM	1	12	22.03	22.16	22.10			
5	16QAM	1	24	21.83	21.96	21.99	22.8	0	
5	16QAM	12	0	21.80	21.91	21.99			
5	16QAM	12	7	22.08	22.17	22.11			
5	16QAM	12	13	21.96	21.94	21.93			
5	16QAM	25	0	22.00	22.20	22.05	22.8	0	
5	64QAM	1	0	21.84	21.85	21.95			
5	64QAM	1	12	21.97	22.17	22.06			
5	64QAM	1	24	21.90	21.94	21.88			
5	64QAM	12	0	21.01	21.20	21.16	21.8	1	
5	64QAM	12	7	21.17	21.22	21.25			
5	64QAM	12	13	21.19	21.33	21.26			
5	64QAM	25	0	21.14	21.27	21.10			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	19.30	19.38	19.42		
20	QPSK	1	49	19.30	19.53	19.38		19.8
20	QPSK	50	0	19.33	19.34	19.27		
20	QPSK	50	0	19.45	19.43	19.47		
20	QPSK	50	24	19.36	19.47	19.37		19.8
20	QPSK	50	50	19.33	19.44	19.40		
20	QPSK	100	0	19.46	19.48	19.46		
20	16QAM	1	0	19.39	19.43	19.35		19.8
20	16QAM	1	49	19.38	19.34	19.31		
20	16QAM	1	99	19.35	19.40	19.21		
20	16QAM	50	0	19.43	19.40	19.43		
20	16QAM	50	24	19.40	19.43	19.33		19.8
20	16QAM	50	50	19.33	19.46	19.32		
20	16QAM	100	0	19.38	19.46	19.40		
20	16QAM	1	0	19.42	19.69	19.30		19.8
20	64QAM	1	49	19.38	19.39	19.39		
20	64QAM	1	99	19.18	19.21	19.12		
20	64QAM	50	0	19.15	19.23	19.11		
20	64QAM	50	24	19.02	19.13	19.03		19.8
20	64QAM	50	50	19.40	19.35	19.29		
20	64QAM	100	0	19.37	19.39	19.37	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.84	19.25	19.19		
15	QPSK	1	37	19.02	19.29	19.28		19.8
15	QPSK	1	74	19.10	18.96	19.13		
15	QPSK	36	0	19.34	19.16	19.13		
15	QPSK	36	20	19.08	19.25	19.03		19.8
15	QPSK	36	39	19.18	19.23	19.06		
15	QPSK	75	0	19.09	19.37	19.13		
15	16QAM	1	0	19.23	19.38	19.23		19.8
15	16QAM	1	37	19.17	19.11	19.21		
15	16QAM	1	74	19.07	19.03	18.92		
15	16QAM	36	0	19.07	19.21	19.11		
15	16QAM	36	20	19.11	19.06	19.10		19.8
15	16QAM	36	39	19.12	19.06	19.05		
15	16QAM	75	0	19.10	19.09	19.04		
15	64QAM	1	0	19.25	19.10	19.03		19.8
15	64QAM	1	37	19.25	19.14	19.12		
15	64QAM	1	74	19.12	19.11	19.05		
15	64QAM	36	0	19.17	18.92	18.90		
15	64QAM	36	20	18.98	18.81	18.95		19.8
15	64QAM	36	39	19.12	19.06	19.12		
15	64QAM	75	0	19.02	19.23	19.02	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	19.03	19.05	19.30		
10	QPSK	1	25	19.32	19.16	19.14		19.8
10	QPSK	1	49	18.97	19.18	19.19		
10	QPSK	25	0	19.16	19.43	19.14		
10	QPSK	25	12	19.13	19.14	19.26		19.8
10	QPSK	25	25	18.98	19.33	19.11		
10	QPSK	50	0	19.30	19.24	19.40		
10	16QAM	1	0	19.25	19.39	19.30		19.8
10	16QAM	1	25	19.14	19.10	19.26		
10	16QAM	1	49	19.28	19.01	19.02		
10	16QAM	25	0	19.42	19.11	19.41		19.8
10	16QAM	25	12	19.25	19.05	19.04		
10	16QAM	25	25	19.03	19.10	18.96		
10	16QAM	50	0	19.25	19.44	19.26		
10	64QAM	1	0	19.23	19.44	19.06		19.8
10	64QAM	1	25	19.00	19.10	19.28		
10	64QAM	1	49	18.92	19.16	19.03		
10	64QAM	25	0	18.94	19.19	18.92		
10	64QAM	25	12	18.76	18.95	18.96		19.8
10	64QAM	25	25	19.22	19.27	19.23		
10	64QAM	50	0	19.25	19.16	19.32	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
5	QPSK	1	0	19.08	19.36	19.23		
5	QPSK	1	12	19.08	19.41	19.22		19.8
5	QPSK	1	24	19.29	19.15	19.03		
5	QPSK	12	0	19.23	19.23	19.30		
5	QPSK	12	7	19.16	19.37	19.17		19.8
5	QPSK	12	13	19.21	19.19	19.14		
5	QPSK	25	0	19.21	19.10	19.14		
5	16QAM	1	0	19.25	19.34	19.10		19.8
5	16QAM	1	12	19.11	19.17	19.16		
5	16QAM	1	24	19.28	19.19	19.03		
5	16QAM	12	0	19.06	19.18	19.26		19.8
5	16QAM	12	7	19.02	19.22	19.04		
5	16QAM	12	13	19.36	19.35	19.09		
5	16QAM	25	0	19.09	19.07	19.06		
5	64QAM	1	0	19.06	19.21	19.34		19.8
5	64QAM	1	12	19.30	19.13	19.23		
5	64QAM	1	24	18.90	18.96	18.96		
5	64QAM	12	0	18.81	19.15	18.93		
5	64QAM	12	7	19.01	18.74	19.02		19.8
5	64QAM	12	13	19.20	19.11	19.05		
5	64QAM	25	0	19.07	19.18	19.17		

Band 41 ANT 1_DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	17.61	17.62	17.62	17.23	17.20
20	QPSK	1	49	17.56	17.53	17.63	17.43	17.32
20	QPSK	1	99	17.55	17.55	17.60	17.30	17.26
20	QPSK	50	0	17.47	17.55	17.63	17.41	17.29
20	QPSK	50	24	17.56	17.51	17.60	17.49	17.41
20	QPSK	50	50	17.53	17.55	17.60	17.39	17.45
20	QPSK	100	0	17.54	17.59	17.61	17.34	17.29
20	16QAM	1	0	17.56	17.52	17.58	17.32	17.31
20	16QAM	1	49	17.55	17.55	17.56	17.44	17.43
20	16QAM	1	99	17.54	17.50	17.55	17.39	17.30
20	16QAM	50	0	17.48	17.53	17.50	17.42	17.34
20	16QAM	50	24	17.51	17.52	17.60	17.43	17.42
20	16QAM	50	50	17.57	17.57	17.50	17.45	17.41
20	16QAM	100	0	17.49	17.48	17.55	17.43	17.31
20	64QAM	1	0	17.42	17.34	17.29	17.19	17.21
20	64QAM	1	49	17.53	17.45	17.34	17.38	17.32
20	64QAM	1	99	17.39	17.38	17.34	17.28	17.28
20	64QAM	50	0	17.47	17.49	17.62	17.39	17.35
20	64QAM	50	24	17.48	17.48	17.53	17.45	17.39
20	64QAM	50	50	17.50	17.53	17.67	17.40	17.42
20	64QAM	100	0	17.47	17.51	17.63	17.35	17.39
Channel								
Frequency (MHz)								
15	QPSK	1	0	17.30	17.51	17.28	17.25	17.16
15	QPSK	1	37	17.47	17.30	17.52	17.35	17.13
15	QPSK	1	74	17.54	17.39	17.29	17.18	17.37
15	QPSK	36	0	17.22	17.26	17.61	17.56	17.19
15	QPSK	36	20	17.52	17.45	17.29	17.62	17.24
15	QPSK	36	39	17.27	17.21	17.49	17.61	17.29
15	QPSK	75	0	17.42	17.28	17.42	17.34	17.46
15	16QAM	1	0	17.55	17.43	17.50	17.46	17.18
15	16QAM	1	37	17.21	17.47	17.47	17.40	17.41
15	16QAM	1	74	17.42	17.36	17.31	17.57	17.28
15	16QAM	36	0	17.22	17.30	17.35	17.35	17.03
15	16QAM	36	20	17.33	17.38	17.23	17.15	17.28
15	16QAM	36	39	17.20	17.25	17.15	17.27	17.38
15	16QAM	75	0	17.44	17.37	17.25	17.29	17.29
15	64QAM	1	0	17.14	17.25	17.04	17.35	17.28
15	64QAM	1	37	17.45	17.22	17.05	17.66	17.05
15	64QAM	1	74	17.28	16.99	16.96	17.33	17.34
15	64QAM	36	0	17.35	17.37	17.25	17.11	17.13
15	64QAM	36	20	17.18	17.32	17.18	17.27	17.07
15	64QAM	36	39	17.20	17.47	17.30	17.23	17.27
15	64QAM	75	0	17.45	17.13	17.45	17.10	17.27
Channel								
Frequency (MHz)								
10	QPSK	1	0	17.48	17.62	17.45	17.10	17.17
10	QPSK	1	25	17.45	17.44	17.45	17.38	17.29
10	QPSK	1	49	17.49	17.47	17.49	17.31	17.26
10	QPSK	25	0	17.24	17.16	17.38	17.55	17.41
10	QPSK	25	12	17.18	17.47	17.39	17.37	17.38
10	QPSK	25	25	17.46	17.54	17.59	17.40	17.27
10	QPSK	50	0	17.40	17.36	17.51	17.47	17.13
10	16QAM	1	0	17.54	17.13	17.30	17.07	17.29
10	16QAM	1	25	17.21	17.32	17.31	17.13	17.42
10	16QAM	1	49	17.45	17.47	17.23	17.28	17.27
10	16QAM	25	0	17.12	17.48	17.16	17.17	17.31
10	16QAM	25	12	17.39	17.00	17.25	17.21	17.26
10	16QAM	25	25	17.36	17.38	17.13	17.24	17.03
10	16QAM	50	0	17.16	17.29	17.60	17.13	17.09
10	64QAM	1	0	17.23	17.14	16.97	16.80	17.02
10	64QAM	1	2					

Band 41 ANT 4_DSIS															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Ch. / Freq.	Turn-on time (dBm)	MPE (dB)						
Channel															
Frequency (MHz)															
				39750	40185	40620	41055	41490							
				2548.5	2548.5	2593	2637.5	2682.5							
20	QPSK	1	0	19.67	19.77	19.78	19.48	19.23	20.3	0					
20	QPSK	1	49	19.75	19.78	19.70	19.60	19.39							
20	QPSK	1	99	19.66	19.68	19.71	19.68	19.29							
20	QPSK	50	0	19.91	19.93	19.90	19.80	19.65							
20	QPSK	50	24	19.90	19.87	19.96	19.73	19.57	19.3	1					
20	QPSK	50	50	19.90	19.86	19.94	19.70	19.56							
20	QPSK	100	0	19.80	19.84	19.92	19.72	19.56							
20	16QAM	1	0	19.82	19.95	19.80	19.70	19.43							
20	16QAM	1	49	19.98	19.07	19.94	19.82	19.56	19.3	1					
20	16QAM	1	99	19.86	19.88	19.88	19.75	19.54							
20	16QAM	50	0	17.76	17.95	17.70	17.70	17.43							
20	16QAM	50	24	17.87	18.02	17.90	17.73	17.57							
20	16QAM	50	50	17.90	18.00	17.86	17.69	17.53	18.3	2					
20	16QAM	100	0	17.84	17.93	17.85	17.70	17.45							
20	16QAM	1	0	17.47	17.65	17.45	17.34	17.14							
20	64QAM	1	49	17.64	17.77	17.63	17.46	17.31							
20	64QAM	1	99	17.53	17.56	17.47	17.36	17.15	17.3	3					
20	64QAM	50	0	16.76	16.89	16.78	16.73	16.44							
20	64QAM	50	24	16.85	16.96	16.81	16.70	16.48							
20	64QAM	50	50	16.89	16.95	16.82	16.71	16.47							
20	64QAM	100	0	16.92	16.99	16.83	16.73	16.53	19.3	1					
Channel				39750	40185	40620	41055	41490							
Frequency (MHz)				2593.5	2548.3	2593	2637.5	2682.5							
15	QPSK	1	0	19.48	19.64	19.47	19.39	19.12	20.30	0					
15	QPSK	1	37	19.61	19.60	19.55	19.44	19.26							
15	QPSK	1	74	19.54	19.57	19.53	19.39	19.13							
15	QPSK	36	0	19.59	19.74	19.68	19.51	19.27							
15	QPSK	36	20	19.54	19.60	19.70	19.55	19.40	19.3	1					
15	QPSK	36	39	19.74	19.80	19.67	19.53	19.28							
15	QPSK	75	0	19.76	19.86	19.74	19.63	19.32							
15	16QAM	1	0	19.63	19.79	19.65	19.51	19.29							
15	16QAM	1	37	19.84	19.84	19.85	19.70	19.44	19.3	1					
15	16QAM	1	74	19.79	19.87	19.72	19.56	19.39							
15	16QAM	36	0	17.52	17.72	17.64	17.50	17.23							
15	16QAM	36	20	17.59	17.76	17.65	17.52	17.30							
15	16QAM	36	39	17.62	17.73	17.68	17.53	17.24	18.3	2					
15	16QAM	75	0	17.66	17.76	17.65	17.62	17.37							
15	64QAM	1	0	17.33	17.49	17.41	17.21	17.00							
15	64QAM	1	37	17.46	17.58	17.46	17.34	17.12							
15	64QAM	1	74	17.41	17.49	17.41	17.24	17.02	17.3	3					
15	64QAM	36	0	16.56	16.80	16.65	16.51	16.23							
15	64QAM	36	20	16.54	16.76	16.65	16.52	16.32							
15	64QAM	36	39	16.62	16.77	16.66	16.48	16.26							
15	64QAM	75	0	16.62	16.74	16.62	16.57	16.35	19.3	1					
Channel				39700	40160	40620	41080	41540							
Frequency (MHz)				2548.5	2548.5	2593	2640.30	2687.5							
10	QPSK	1	0	19.58	19.73	19.57	19.44	19.31	20.30	0					
10	QPSK	1	25	19.59	19.69	19.65	19.41	19.23							
10	QPSK	1	49	19.54	19.73	19.60	19.48	19.19							
10	QPSK	25	0	19.66	19.87	19.75	19.54	19.45							
10	QPSK	25	12	19.74	19.89	19.73	19.61	19.40	19.3	1					
10	QPSK	25	25	19.78	19.84	19.72	19.62	19.39							
10	QPSK	50	0	19.76	19.83	19.72	19.66	19.46							
10	16QAM	1	0	19.71	19.91	19.74	19.63	19.44							
10	16QAM	1	25	19.82	19.97	19.85	19.61	19.46	19.3	1					
10	16QAM	1	49	19.80	19.92	19.83	19.61	19.45							
10	16QAM	25	0	17.69	17.80	17.70	17.62	17.40							
10	16QAM	25	12	17.70	17.87	17.74	17.56	17.35							
10	16QAM	25	25	17.74	17.89	17.77	17.56	17.39	18.3	2					
10	16QAM	50	0	17.71	17.85	17.70	17.60	17.39							
10	64QAM	1	0	17.40	17.65	17.45	17.30	17.12							
10	64QAM	1	25	17.49	17.60	17.53	17.33	17.08							
10	64QAM	1	49	17.46	17.54	17.45	17.27	17.09	17.3	3					
10	64QAM	25	0	16.70	16.88	16.71	16.59	16.40							
10	64QAM	25	12	16.74	16.87	16.68	16.64	16.39							
10	64QAM	25	25	16.82	16.86	16.81	16.64	16.37							
10	64QAM	50	0	16.72	16.78	16.65	16.62	16.39	19.3	1					
Channel				39750	40160	40620	41080	41540							
Frequency (MHz)				2548.5	2548.5	2593	2640.30	2687.5							
5	QPSK	1	0	19.53	19.61	19.54	19.40	19.19	20.30	0					
5	QPSK	1	12	19.50	19.54	19.44	19.26	19.12							
5	QPSK	1	24	19.59	19.55	19.53	19.44	19.23							
5	QPSK	12	0	19.64	19.70	19.64	19.53	19.27							
5	QPSK	12	7	19.57	19.77	19.62	19.52	19.26	19.3	1					
5	QPSK	12	13	19.60	19.74	19.64	19.45	19.29							
5	QPSK	25	0	19.65	19.73	19.70	19.51	19.31							
5	16QAM	1	0	19.71	19.74	19.74	19.55	19.39							
5	16QAM	1	12	19.74	19.80	19.81	19.58	19.36	19.3	1					
5	16QAM	1	24	19.70	19.80	19.75	19.60	19.44							
5	16QAM	12	0	17.53	17.65	17.61	17.52	17.21							
5	16QAM	12	7	17.54	17.64	17.58	17.41	17.26							
5	16QAM	12	13	17.56	17.62	17.58	17.40	17.18	18.3	2					
5	16QAM	25	0	17.62	17.73	17.64	17.40	17.26							
5	64QAM	1	0	17.33	17.54	17.45	17.12	17.08							
5	64QAM	1	12	17.38	17.46	17.40	17.19	17.00							
5	64QAM	1	24	17.35	17.47	17.43	17.20	17.01	17.3	3					
5	64QAM	12	0	16.57	16.71	16.67	16.47	16.24							
5	64QAM	12	7	16.57	16.71	16.62	16.49	16.19							
5	64QAM	12	13	16.55	16.75	16.60	16.42	16.25							
5	64QAM	25	0	16.66	16.78	16.70	16.53	16.21							

Band 41 HPUE ANT 4_DSIS												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power							

Conducted Power for DSI10

GSM850 ANT 1_DSI10	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	31.41	31.56	31.42	32.30	22.41	22.56	22.42	23.30
GSM 1 Tx slot	31.48	31.49	31.47	32.30	22.48	22.49	22.47	23.30
GPRS 1 Tx slot	29.01	28.99	28.97	30.30	23.01	22.99	22.97	24.30
GPRS 2 Tx slots	26.77	26.76	26.75	27.80	22.51	22.52	22.49	23.54
GPRS 3 Tx slots	26.10	26.12	26.08	27.30	23.10	23.12	23.06	24.30
EDGE(GMSK 1 Tx slot)	31.41	31.47	31.45	32.30	22.41	22.47	22.45	23.30
EDGE(GMSK 2 Tx slots)	28.94	28.90	28.92	30.30	22.94	22.90	22.92	24.30
EDGE(GMSK 3 Tx slots)	26.74	26.69	26.65	27.80	22.48	22.43	22.39	23.54
EDGE(GMSK 4 Tx slots)	26.06	26.04	25.99	27.30	23.06	23.04	22.99	24.30
EDGE 1 Tx slot	25.90	25.87	25.88	26.80	16.90	16.87	16.88	17.80
EDGE 2 Tx slots	22.64	22.65	22.63	23.80	16.64	16.65	16.63	17.80
EDGE 3 Tx slots	20.17	20.10	20.15	21.30	15.91	15.84	15.89	17.04
EDGE 4 Tx slots	19.90	19.84	19.93	20.80	16.90	16.84	16.93	17.80

GSM1900 ANT 1_DSI10	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	22.94	22.93	22.92	23.60	13.94	13.93	13.92	14.60
GSM 1 Tx slot	23.02	23.03	22.93	23.60	14.02	14.03	13.93	14.60
GPRS 1 Tx slot	20.70	20.57	20.47	21.10	14.70	14.57	14.47	15.10
GPRS 2 Tx slots	18.25	18.60	18.23	18.80	13.99	14.34	13.97	14.54
GPRS 3 Tx slots	17.56	17.63	17.62	18.30	14.56	14.63	14.62	15.30
GPRS 4 Tx slots	22.88	23.04	22.81	23.60	13.88	14.04	13.81	14.60
EDGE(GMSK 1 Tx slot)	20.42	20.51	20.23	21.10	14.42	14.51	14.23	15.10
EDGE(GMSK 2 Tx slots)	18.44	18.47	18.23	18.80	14.18	14.21	13.97	14.54
EDGE(GMSK 3 Tx slots)	17.71	17.56	17.89	18.30	14.71	14.56	14.89	15.30
EDGE(GMSK 4 Tx slots)	18.13	17.95	17.76	19.10	9.13	8.95	8.76	10.10
EDGE 1 Tx slot	15.77	15.59	15.46	16.80	9.77	9.59	9.46	10.80
EDGE 2 Tx slots	14.58	14.85	14.66	15.10	10.32	10.59	10.40	10.84
EDGE 3 Tx slots	12.96	12.84	12.96	13.30	9.96	9.84	9.96	10.30
EDGE 4 Tx slots								

Band	WCDMA # ANT 1_DSI10			Tune-up Limit (dBm)	WCDMA # ANT 1_DSI10			Tune-up Limit (dBm)	WCDMA V ANT 1_DSI10			Tune-up Limit (dBm)
	9282	9408	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	15.13	15.11	15.03	16.10	15.03	15.04	15.04	16.10	21.21	21.21	21.09	22.30
3GPP Rel 99 RMC 12.2Kbps	15.14	15.15	15.04	16.10	15.00	15.05	14.99	16.10	21.20	21.22	21.07	22.30
3GPP Rel 6 HSDPA Subtest-1	14.00	14.07	13.97	15.10	14.30	14.37	14.25	15.10	20.20	20.20	20.08	21.30
3GPP Rel 6 HSDPA Subtest-2	13.98	14.05	13.95	15.10	14.29	14.38	14.19	15.10	20.22	20.18	20.09	21.30
3GPP Rel 6 HSDPA Subtest-3	13.50	13.55	13.51	14.10	13.70	13.75	13.72	14.10	19.73	19.71	19.62	20.80
3GPP Rel 6 HSDPA Subtest-4	13.47	13.53	13.42	14.10	13.73	13.80	13.70	14.10	19.69	19.66	19.58	20.80
3GPP Rel 6 DC-HSDPA Subtest-1	13.97	14.02	13.94	15.10	14.28	14.33	14.24	15.10	20.18	20.18	20.06	21.30
3GPP Rel 6 DC-HSDPA Subtest-2	13.97	14.03	13.94	15.10	14.27	14.35	14.15	15.10	20.19	20.17	20.05	21.30
3GPP Rel 6 DC-HSDPA Subtest-3	13.46	13.54	13.46	14.10	13.66	13.74	13.69	14.10	19.70	19.66	19.57	20.80
3GPP Rel 6 DC-HSDPA Subtest-4	13.45	13.52	13.39	14.10	13.69	13.75	13.65	14.10	19.66	19.65	19.55	20.80
3GPP Rel 6 HSUPA Subtest-1	12.39	12.49	12.41	13.10	12.32	12.40	12.35	13.10	18.63	18.62	18.52	19.30
3GPP Rel 6 HSUPA Subtest-2	10.87	10.96	10.98	12.10	10.87	10.81	10.85	12.10	17.17	17.13	17.02	18.30
3GPP Rel 6 HSUPA Subtest-3	12.01	12.01	11.99	13.10	11.90	11.87	11.92	13.10	18.21	18.17	18.00	19.30
3GPP Rel 6 HSUPA Subtest-4	11.42	11.40	11.43	12.60	11.40	11.35	11.34	12.60	17.69	17.56	17.48	18.80
3GPP Rel 6 HSUPA Subtest-5	13.88	13.85	14.00	15.10	13.92	13.88	13.89	15.10	20.16	20.14	20.00	21.30
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	13.84	13.69	13.92	15.10	13.94	13.86	13.80	15.10	20.13	20.03	19.94	21.30

Conducted Power for DSI 1

GSM850 ANT 1_DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot	32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots	30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots	27.73	27.85	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots	27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)	32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)	30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)	27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)	27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot	26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots	23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots	20.99	20.95	20.98	22.30	16.73	16.69	16.72	18.04
EDGE 4 Tx slots	20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 ANT 1_DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.98	30.06	30.00	30.60	20.98	21.06	21.00	21.60
GPRS 1 Tx slot	29.95	30.05	29.98	30.60	20.95	21.05	20.98	21.60
GPRS 2 Tx slots	27.23	27.31	27.17	28.10	21.23	21.31	21.17	22.10
GPRS 3 Tx slots	25.06	25.16	25.03	25.80	20.80	20.90	20.77	21.54
GPRS 4 Tx slots	24.36	24.37	24.32	25.30	21.36	21.37	21.32	22.30
EDGE(GMSK 1 Tx slot)	29.94	30.00	29.96	30.60	20.94	21.00	20.96	21.60
EDGE(GMSK 2 Tx slots)	27.20	27.28	27.15	28.10	21.20	21.28	21.15	22.10
EDGE(GMSK 3 Tx slots)	25.03	25.12	24.98	25.80	20.77	20.88	20.72	21.54
EDGE(GMSK 4 Tx slots)	24.32	24.33	24.30	25.30	21.32	21.33	21.30	22.30
EDGE 1 Tx slot	25.31	25.37	25.28	26.10	16.31	16.37	16.28	17.10
EDGE 2 Tx slots	22.96	23.04	23.04	23.80	16.96	17.04	17.04	17.80
EDGE 3 Tx slots	21.68	21.62	21.56	22.10	17.42	17.36	17.30	17.84
EDGE 4 Tx slots	19.31	19.32	19.36	20.30	16.31	16.32	16.36	17.30

Band	WCDMA II ANT 1_DSI1			Tune-up Limit (dBm)	WCDMA IV ANT 1_DSI1			Tune-up Limit (dBm)	WCDMA V ANT 1_DSI1			Tune-up Limit (dBm)
	9282	9400	9538		1512	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.08	21.14	21.04	22.10	20.98	20.99	20.96	22.10	23.73	23.79	23.66	24.80
3GPP Rel 99 RMC 12.2Kbps	21.10	21.15	21.05	22.10	20.99	21.00	20.97	22.10	23.79	23.81	23.68	24.80
3GPP Rel 6 HSDPA Subtest-1	20.13	20.11	20.12	21.10	19.88	19.82	19.79	21.10	22.76	22.71	22.63	23.80
3GPP Rel 6 HSDPA Subtest-2	20.13	20.06	20.07	21.10	19.84	19.81	19.78	21.10	22.75	22.69	22.58	23.80
3GPP Rel 6 HSDPA Subtest-3	19.65	19.61	19.61	20.10	19.38	19.35	19.30	20.10	22.26	22.24	22.12	23.30
3GPP Rel 6 HSDPA Subtest-4	19.60	19.58	19.57	20.10	19.37	19.29	19.28	20.10	22.21	22.20	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	20.09	20.09	20.11	21.10	19.85	19.79	19.75	21.10	22.75	22.53	22.59	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	20.10	20.01	20.05	21.10	19.79	19.79	19.73	21.10	22.86	22.53	22.48	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	19.62	19.56	19.57	20.10	19.33	19.33	19.29	20.10	22.19	22.15	22.05	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	19.58	19.53	19.56	20.10	19.32	19.25	19.26	20.10	22.15	22.01	21.86	23.30
3GPP Rel 6 HSUPA Subtest-1	18.33	18.45	18.43	19.10	18.29	18.33	18.32	19.10	21.19	21.15	21.05	21.80
3GPP Rel 6 HSUPA Subtest-2	16.96	16.97	16.92	18.10	16.86	16.78	16.83	18.10	19.65	19.65	19.51	20.80
3GPP Rel 6 HSUPA Subtest-3	17.96	17.90	17.94	19.10	17.86	17.78	17.88	19.10	20.73	20.67	20.54	21.80
3GPP Rel 6 HSUPA Subtest-4	17.49	17.40	17.40	18.60	17.31	17.41	17.35	18.60	20.18	20.12	20.03	21.30
3GPP Rel 6 HSUPA Subtest-5	19.82	19.89	19.92	21.10	19.89	19.82	19.82	21.10	22.70	22.70	22.50	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest	19.76	19.84	19.83	21.10	19.74	19.78	19.71	21.10	22.31	22.37	22.28	23.80

Conducted Power for DS16

GSM850 ANT 1_DS16	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot	32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots	30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots	27.73	27.85	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots	27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)	32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)	30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)	27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)	27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot	26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots	23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots	20.99	20.95	20.98	22.30	16.73	16.69	16.72	18.04
EDGE 4 Tx slots	20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 ANT 1_DS16	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.10	29.10	29.06	29.60	20.10	20.10	20.06	20.60
GPRS 1 Tx slot	29.06	29.12	29.06	29.60	20.06	20.12	20.06	20.60
GPRS 2 Tx slots	26.27	26.46	26.25	27.10	20.27	20.46	20.25	21.10
GPRS 3 Tx slots	24.11	24.24	24.11	24.80	19.85	19.98	19.85	20.54
GPRS 4 Tx slots	23.39	23.51	23.29	24.30	20.39	20.51	20.29	21.30
EDGE(GMSK 1 Tx slot)	26.98	26.12	26.08	29.60	19.98	20.12	20.08	20.60
EDGE(GMSK 2 Tx slots)	26.29	26.34	26.19	27.10	20.29	20.34	20.19	21.10
EDGE(GMSK 3 Tx slots)	24.14	24.16	24.08	24.80	19.88	19.90	19.82	20.54
EDGE(GMSK 4 Tx slots)	23.39	23.44	23.38	24.30	20.39	20.44	20.38	21.30
EDGE 1 Tx slot	24.29	24.33	24.22	25.10	15.29	15.33	15.22	16.10
EDGE 2 Tx slots	21.92	22.01	22.00	22.80	15.92	16.01	16.00	16.80
EDGE 3 Tx slots	20.51	20.57	20.58	21.10	16.25	16.31	16.32	16.84
EDGE 4 Tx slots	18.33	18.26	18.34	19.30	15.33	15.26	15.34	16.30

Band	WCDMA II ANT 1_DS16			Tune-up Limit (dBm)	WCDMA IV ANT 1_DS16			Tune-up Limit (dBm)	WCDMA V ANT 1_DS16			Tune-up Limit (dBm)
	9282	9400	9538		1512	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	18.57	18.58	18.50	19.60	19.96	19.98	19.92	21.10	23.73	23.79	23.66	24.80
3GPP Rel 99 RMC 12.2Kbps	18.58	18.61	18.51	19.60	19.97	20.00	19.93	21.10	23.79	23.81	23.68	24.80
3GPP Rel 6 HSDPA Subtest-1	17.59	17.54	17.59	18.60	18.86	18.83	18.79	20.10	22.76	22.71	22.63	23.80
3GPP Rel 6 HSDPA Subtest-2	17.57	17.55	17.55	18.60	18.86	18.82	18.76	20.10	22.75	22.69	22.58	23.80
3GPP Rel 6 HSDPA Subtest-3	17.09	17.07	17.06	17.60	18.38	18.34	18.27	19.10	22.26	22.24	22.12	23.30
3GPP Rel 6 HSDPA Subtest-4	17.07	17.04	17.06	17.60	18.33	18.29	18.23	19.10	22.21	22.20	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	17.54	17.52	17.54	18.60	18.81	18.80	18.76	20.10	22.75	22.53	22.59	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	17.52	17.53	17.53	18.60	18.82	18.79	18.71	20.10	22.86	22.53	22.48	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	17.04	17.03	17.01	17.60	18.37	18.29	18.22	19.10	22.19	22.15	22.05	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	17.03	17.01	17.02	17.60	18.31	18.25	18.22	19.10	22.15	22.01	21.86	23.30
3GPP Rel 6 HSUPA Subtest-1	15.88	15.91	15.93	16.60	17.35	17.38	17.38	18.10	21.19	21.15	21.05	21.80
3GPP Rel 6 HSUPA Subtest-2	14.40	14.41	14.44	15.60	15.92	15.82	15.87	17.10	19.65	19.65	19.51	20.80
3GPP Rel 6 HSUPA Subtest-3	15.52	15.49	15.50	16.60	16.89	16.81	16.90	18.10	20.73	20.67	20.54	21.80
3GPP Rel 6 HSUPA Subtest-4	14.99	14.93	14.98	16.10	16.37	16.39	16.37	17.60	20.18	20.12	20.03	21.30
3GPP Rel 6 HSUPA Subtest-5	17.35	17.36	17.50	18.60	18.87	18.86	18.84	20.10	22.70	22.70	22.50	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.19	17.32	17.49	18.60	18.85	18.78	18.75	20.10	22.31	22.37	22.28	23.80



Band 13 ANT 1_DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.40		24.3	0	
10	QPSK	1	25		23.41				
10	QPSK	1	49		23.36				
10	QPSK	25	0		22.35		23.3	1	
10	QPSK	25	12		22.33				
10	QPSK	25	25		22.32				
10	QPSK	50	0		22.39		23.3	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.73				
10	16QAM	1	49		22.75		23.3	1	
10	16QAM	25	0		21.20				
10	16QAM	25	12		21.36				
10	16QAM	25	25		21.46		22.3	2	
10	16QAM	50	0		21.36				
10	64QAM	1	0		21.48				
10	64QAM	1	25		21.55		22.3	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.21				
10	64QAM	25	12		20.36		21.3	3	
10	64QAM	25	25		20.43				
10	64QAM	50	0		20.32				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.35	23.37	23.36	24.3	0	
5	QPSK	1	12	23.31	23.37	23.38			
5	QPSK	1	24	23.32	23.36	23.39			
5	QPSK	12	0	22.31	22.32	22.43	23.3	1	
5	QPSK	12	7	22.38	22.37	22.35			
5	QPSK	12	13	22.39	22.33	22.49			
5	QPSK	25	0	22.35	22.35	22.40	23.3	1	
5	16QAM	1	0	22.75	22.71	22.62			
5	16QAM	1	12	22.75	22.72	22.77			
5	16QAM	1	24	22.73	22.76	22.63	23.3	1	
5	16QAM	12	0	21.29	21.32	21.38			
5	16QAM	12	7	21.38	21.35	21.36			
5	16QAM	12	13	21.39	21.32	21.43	22.3	2	
5	16QAM	25	0	21.37	21.35	21.38			
5	64QAM	1	0	21.60	21.58	21.55			
5	64QAM	1	12	21.65	21.57	21.62	22.3	2	
5	64QAM	1	24	21.51	21.53	21.55			
5	64QAM	12	0	20.31	20.33	20.44			
5	64QAM	12	7	20.40	20.38	20.37	21.3	3	
5	64QAM	12	13	20.42	20.34	20.47			
5	64QAM	25	0	20.35	20.36	20.35			

Band 17 ANT 1_DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800	709		
Frequency (MHz)				706	710	711			
10	QPSK	1	0	23.70	23.74	23.69	24.8	0	
10	QPSK	1	25	23.80	23.89	23.75			
10	QPSK	1	49	23.79	23.83	23.75			
10	QPSK	25	0	22.77	22.87	22.74	23.8	1	
10	QPSK	25	12	22.74	22.84	22.77			
10	QPSK	25	25	22.78	22.82	22.75			
10	QPSK	50	0	22.78	22.86	22.77	23.8	1	
10	16QAM	1	0	22.97	23.13	22.91			
10	16QAM	1	25	23.03	23.25	23.04			
10	16QAM	1	49	23.03	23.27	23.08	22.8	2	
10	16QAM	25	0	21.77	21.88	21.77			
10	16QAM	25	12	21.75	21.87	21.73			
10	16QAM	25	25	21.76	21.83	21.74	22.8	2	
10	16QAM	50	0	21.76	21.82	21.73			
10	64QAM	1	0	21.75	21.89	21.79			
10	64QAM	1	25	21.88	22.09	21.92	22.8	2	
10	64QAM	1	49	21.89	22.00	21.92			
10	64QAM	25	0	20.72	20.83	20.74			
10	64QAM	25	12	20.72	20.82	20.70	21.8	3	
10	64QAM	25	25	20.70	20.81	20.73			
10	64QAM	50	0	20.75	20.82	20.74			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.69	23.76	23.68	24.8	0	
5	QPSK	1	12	23.77	23.77	23.75			
5	QPSK	1	24	23.80	23.75	23.77			
5	QPSK	12	0	22.75	22.76	22.73	23.8	1	
5	QPSK	12	7	22.75	22.72	22.75			
5	QPSK	12	13	22.77	22.69	22.69			
5	QPSK	25	0	22.74	22.73	22.73	23.8	1	
5	16QAM	1	0	23.10	23.10	23.06			
5	16QAM	1	12	23.11	23.12	23.03			
5	16QAM	1	24	23.16	23.09	23.11	22.8	2	
5	16QAM	12	0	21.74	21.74	21.72			
5	16QAM	12	7	21.73	21.73	21.70			
5	16QAM	12	13	21.76	21.68	21.66	22.8	2	
5	16QAM	25	0	21.74	21.75	21.77			
5	64QAM	1	0	21.87	21.93	21.91			
5	64QAM	1	12	21.94	21.95	21.92	22.8	2	
5	64QAM	1	24	21.97	21.88	21.88			
5	64QAM	12	0	20.77	20.77	20.72			
5	64QAM	12	7	20.78	20.70	20.73	21.8	3	
5	64QAM	12	13	20.74	20.68	20.69			
5	64QAM	25	0	20.74	20.72	20.70			

n2_Ant 0_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42			
20	Pl2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	Pl2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	Pl2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.39			
20	QPSK	50	0	23.09	23.06	23.01	23.7	1.0	
20	QPSK	50	28	23.61	23.63	23.61	24.7	0.0	
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0	
20	16QAM	1	1	22.74	22.78	22.64			
20	64QAM	1	1	21.28	21.31	21.18	22.2	2.5	
20	256QAM	1	1	19.84	19.86	19.76	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.45	23.54	23.39	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.48	23.52	23.39	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.45	23.52	23.38	24.7	0.0	

n2_Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.27	23.28	23.18	24.7	0.0	
20	Pl2 BPSK	1	53	23.33	23.49	23.32			
20	Pl2 BPSK	1	104	23.35	23.33	23.23			
20	Pl2 BPSK	50	0	23.42	23.36	23.34	24.2	0.5	
20	Pl2 BPSK	50	28	23.44	23.45	23.36	24.7	0.0	
20	Pl2 BPSK	50	56	23.34	23.40	23.35	24.2	0.5	
20	Pl2 BPSK	100	0	23.37	23.42	23.34			
20	QPSK	1	1	23.23	23.32	23.18			
20	QPSK	1	53	23.30	23.36	23.32	24.7	0.0	
20	QPSK	1	104	23.28	23.31	23.17			
20	QPSK	50	0	22.89	22.84	22.84	23.7	1.0	
20	QPSK	50	28	23.33	23.46	23.38	24.7	0.0	
20	QPSK	50	56	22.86	22.89	22.85	23.7	1.0	
20	QPSK	100	0	22.84	22.93	22.86	23.7	1.0	
20	16QAM	1	1	22.46	22.58	22.40			
20	64QAM	1	1	20.98	21.07	20.97	22.2	2.5	
20	256QAM	1	1	19.56	19.65	19.49	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.20	23.22	23.17	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.22	23.23	23.16	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.24	23.23	23.13	24.7	0.0	

n2_Ant 4_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	21.66	21.72	21.63	22.7	0.0	
20	Pl2 BPSK	1	53	21.73	21.75	21.69			
20	Pl2 BPSK	1	104	21.63	21.68	21.67			
20	Pl2 BPSK	50	0	21.43	21.52	21.49	22.2	0.5	
20	Pl2 BPSK	50	28	21.60	21.69	21.62	22.7	0.0	
20	Pl2 BPSK	50	56	21.43	21.47	21.44	22.2	0.5	
20	Pl2 BPSK	100	0	21.49	21.50	21.45			
20	QPSK	1	1	21.42	21.51	21.42			
20	QPSK	1	53	21.34	21.44	21.41	22.7	0.0	
20	QPSK	1	104	21.39	21.43	21.42	21.7	1.0	
20	QPSK	50	0	20.99	21.00	20.90			
20	QPSK	50	28	21.57	21.60	21.60			
20	QPSK	50	56	21.00	21.05	21.01	21.7	1.0	
20	QPSK	100	0	21.08	21.10	21.08	21.7	1.0	
20	16QAM	1	1	20.79	20.80	20.73			
20	64QAM	1	1	18.95	18.95	18.86	20.2	2.5	
20	256QAM	1	1	17.09	17.17	17.16	18.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	21.62	21.69	21.62	22.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	21.59	21.70	21.58	22.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	21.63	21.71	21.57	22.7	0.0	

n25_Ant 0_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	23.16	23.23	23.16	24.7	0.0	
40	PV2 BPSK	1	108	23.68	23.77	23.68			
40	PV2 BPSK	1	214	23.15	23.25	23.25			
40	PV2 BPSK	108	0	23.07	23.16	23.06	24.2	0.5	
40	PV2 BPSK	108	54	23.71	23.74	23.69	24.7	0.0	
40	PV2 BPSK	108	108	23.08	23.12	23.09	24.2	0.5	
40	PV2 BPSK	216	0	23.14	23.15	23.10	24.7	0.0	
40	QPSK	1	1	23.01	23.11	23.04			
40	QPSK	1	108	23.54	23.60	23.55			
40	QPSK	1	214	23.05	23.10	23.10	23.7	1.0	
40	QPSK	108	0	22.85	22.86	22.86			
40	QPSK	108	54	23.68	23.72	23.64			
40	QPSK	108	108	22.56	22.64	22.55	23.7	1.0	
40	QPSK	216	0	22.57	22.60	22.58	23.7	1.0	
40	16QAM	1	1	21.89	21.97	21.96			
40	64QAM	1	1	20.49	20.50	20.42			
40	256QAM	1	1	18.90	19.00	18.92	20.2	4.5	
Channel				373000	376500	380000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900		(dB)	
30	PV2 BPSK	1	1	23.10	23.15	23.06	24.7	0.0	
Channel				372500	376500	380500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5		(dB)	
25	PV2 BPSK	1	1	23.06	23.16	23.11	24.7	0.0	
Channel				372000	376500	381000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905		(dB)	
20	PV2 BPSK	1	1	23.15	23.15	23.13	24.7	0.0	
Channel				371500	376500	381500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5		(dB)	
15	PV2 BPSK	1	1	23.07	23.23	23.19	24.7	0.0	
Channel				371000	376500	382000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910		(dB)	
10	PV2 BPSK	1	1	23.09	23.20	23.07	24.7	0.0	
Channel				370500	376500	382500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5		(dB)	
5	PV2 BPSK	1	1	23.06	23.19	23.11	24.7	0.0	

n25_Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	23.18	23.30	23.23	24.7	0.0	
40	PV2 BPSK	1	108	23.74	23.96	23.86			
40	PV2 BPSK	1	214	23.25	23.32	23.35			
40	PV2 BPSK	108	0	23.21	23.19	23.25	24.2	0.5	
40	PV2 BPSK	108	54	23.78	23.83	23.81	24.7	0.0	
40	PV2 BPSK	108	108	23.25	23.15	23.24	24.2	0.5	
40	PV2 BPSK	216	0	23.24	23.26	23.21			
40	QPSK	1	1	23.15	23.25	23.24			
40	QPSK	1	108	23.78	23.78	23.63	24.7	0.0	
40	QPSK	1	214	23.22	23.26	23.32			
40	QPSK	108	0	22.67	22.63	22.73			
40	QPSK	108	54	23.74	23.80	23.78	24.7	0.0	
40	QPSK	108	108	22.71	22.62	22.71	23.7	1.0	
40	QPSK	216	0	22.68	22.58	22.72			
40	16QAM	1	1	21.88	21.96	21.96			
40	64QAM	1	1	20.43	20.55	20.56	22.2	2.5	
40	256QAM	1	1	19.04	19.15	19.12	20.2	4.5	
Channel				373000	376500	380000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900	(dBm)	(dB)	
30	PV2 BPSK	1	1	23.12	23.24	23.19	24.7	0.0	
Channel				372500	376500	380500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)	(dB)	
25	PV2 BPSK	1	1	23.14	23.27	23.21	24.7	0.0	
Channel				372000	376500	381000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905	(dBm)	(dB)	
20	PV2 BPSK	1	1	23.15	23.24	23.22	24.7	0.0	
Channel				371500	376500	381500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)	(dB)	
15	PV2 BPSK	1	1	23.16	23.28	23.16	24.7	0.0	
Channel				371000	376500	382000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910	(dBm)	(dB)	
10	PV2 BPSK	1	1	23.17	23.26	23.22	24.7	0.0	
Channel				370500	376500	382500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)	(dB)	
5	PV2 BPSK	1	1	23.16	23.23	23.19	24.7	0.0	

n25_Ant 4_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
			Channel	374000	376500	379000			
			Frequency (MHz)	1870	1882.5	1895			
40	PV2 BPSK	1	1	21.69	21.76	21.71	22.7	0.0	
40	PV2 BPSK	1	108	22.22	22.30	22.29			
40	PV2 BPSK	1	214	21.70	21.70	21.68			
40	PV2 BPSK	108	0	21.33	21.35	21.34	22.2	0.5	
40	PV2 BPSK	108	54	22.02	22.04	22.01	22.7	0.0	
40	PV2 BPSK	108	108	21.29	21.38	21.35	22.2	0.5	
40	PV2 BPSK	216	0	21.32	21.33	21.28			
40	QPSK	1	1	21.43	21.44	21.37			
40	QPSK	1	108	22.00	22.00	22.00	22.7	0.0	
40	QPSK	1	214	21.43	21.48	21.46			
40	QPSK	108	0	20.78	20.80	20.77			
40	QPSK	108	54	21.92	22.00	21.93	22.7	0.0	
40	QPSK	108	108	20.86	20.88	20.86	21.7	1.0	
40	QPSK	216	0	20.88	20.90	20.84			
40	16QAM	1	1	20.14	20.15	20.13			
40	64QAM	1	1	18.88	18.88	18.86	20.2	2.5	
40	256QAM	1	1	17.15	17.23	17.21	18.2	4.5	
			Channel	373000	376500	380000			MPR
			Frequency (MHz)	1865	1882.5	1900			(dB)
30	PV2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
			Channel	372500	376500	380500	turn-up limit (dBm)		MPR
			Frequency (MHz)	1862.5	1882.5	1902.5			(dB)
25	PV2 BPSK	1	1	21.60	21.74	21.72	22.7	0.0	
			Channel	372000	376500	381000	turn-up limit (dBm)		MPR
			Frequency (MHz)	1860	1882.5	1905			(dB)
20	PV2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
			Channel	371500	376500	381500	turn-up limit (dBm)		MPR
			Frequency (MHz)	1857.5	1882.5	1907.5			(dB)
15	PV2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
			Channel	371000	376500	382000	turn-up limit (dBm)		MPR
			Frequency (MHz)	1855	1882.5	1910			(dB)
10	PV2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
			Channel	370500	376500	382500	turn-up limit (dBm)		MPR
			Frequency (MHz)	1852.5	1882.5	1912.5			(dB)
5	PV2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.		
Channel				346000	346000	352000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	23.01	23.13	23.11	24.7	0.0
40	PV2 BPSK	1	108	23.65	23.77	23.76		
40	PV2 BPSK	1	214	23.07	23.18	23.11		
40	PV2 BPSK	108	0	22.98	23.10	23.09	24.2	0.5
40	PV2 BPSK	108	54	23.67	23.71	23.65	24.7	0.0
40	PV2 BPSK	108	108	23.13	23.17	23.11	24.2	0.5
40	PV2 BPSK	216	0	23.13	23.20	23.11	24.7	0.0
40	QPSK	1	1	23.10	23.15	23.07		
40	QPSK	1	108	23.65	23.70	23.64		
40	QPSK	1	214	23.03	23.10	23.03	23.7	1.0
40	QPSK	108	0	22.57	22.70	22.68		
40	QPSK	108	54	23.67	23.72	23.62		
40	QPSK	108	108	22.53	22.66	22.51	23.7	1.0
40	QPSK	216	0	22.36	22.62	22.60	23.7	1.0
40	16QAM	1	1	21.97	22.00	21.94		
40	64QAM	1	1	20.61	20.70	20.68		
40	256QAM	1	1	19.19	19.22	19.12	20.2	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	22.95	23.09	23.08	24.7	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	22.86	23.07	23.10	24.7	0.0
Channel				343500	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	22.96	23.07	23.07	24.7	0.0
Channel				343500	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.00	23.07	23.06	24.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	22.95	23.10	23.08	24.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	22.97	23.08	23.05	24.7	0.0

n66_Ant 1_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1750	1745	1760		
40	PV2 BPSK	1	1	23.28	23.30	23.24	24.7	0.0
40	PV2 BPSK	1	108	23.79	23.82	23.78		
40	PV2 BPSK	1	214	23.20	23.24	23.23		
40	PV2 BPSK	108	0	23.28	23.01	23.33	24.2	0.5
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5
40	PV2 BPSK	216	0	23.38	23.40	23.37		
40	QPSK	1	1	23.31	23.18	23.21		
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0
40	QPSK	1	214	23.21	23.21	23.20		
40	QPSK	108	0	22.80	22.48	22.81		
40	QPSK	108	54	23.75	23.77	23.76	24.7	0.0
40	QPSK	108	108	22.52	22.47	22.53	23.7	1.0
40	QPSK	216	0	22.36	22.51	22.63		
40	16QAM	1	1	22.00	21.98	21.95		
40	64QAM	1	1	20.59	20.52	20.52	22.2	2.5
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	23.26	23.28	23.30	24.7	MPR (dB)
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	23.22	23.20	23.18	24.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
20	PV2 BPSK	1	1	23.27	23.26	23.17	24.7	0.0
Channel				343500	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.22	23.23	23.22	24.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	23.26	23.25	23.18	24.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	23.24	23.24	23.19	24.7	0.0

n66_Ant 4_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	23.16	23.17	23.07	24.7	0.0
40	PV2 BPSK	1	108	23.68	23.77	23.66		
40	PV2 BPSK	1	214	23.05	23.12	23.06		
40	PV2 BPSK	108	0	22.77	22.85	22.72	24.2	0.5
40	PV2 BPSK	108	54	23.50	23.54	23.45	24.7	0.0
40	PV2 BPSK	108	108	22.76	22.77	22.66	24.2	0.5
40	PV2 BPSK	216	0	22.71	22.80	22.69		
40	QPSK	1	1	22.57	22.57	22.54		
40	QPSK	1	108	23.45	23.46	23.34	24.7	0.0
40	QPSK	1	214	22.53	22.53	22.55		
40	QPSK	108	0	22.32	22.39	22.29		
40	QPSK	108	54	23.46	23.50	23.47	24.7	0.0
40	QPSK	108	108	22.22	22.27	22.14	23.7	1.0
40	QPSK	216	0	22.14	22.21	22.08		
40	16QAM	1	1	21.72	21.72	21.71		
40	64QAM	1	1	20.23	20.30	20.22	23.2	2.5
40	256QAM	1	1	18.85	18.90	18.80	20.2	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	23.12	23.09	23.02	24.7	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	23.07	23.12	22.98	24.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
20	PV2 BPSK	1	1	23.10	23.13	22.99	24.7	0.0
Channel				343500	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.14	23.16	23.03	24.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	23.03	23.17	23.07	24.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	23.07	23.16	23.05	24.7	0.0

n71_Ant 0_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.68			
20	PI/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	PI/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	PI/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14			
20	QPSK	1	104	23.94	24.11	23.95	25.2	0.0	
20	QPSK	50	0	22.88	23.15	23.16			
20	QPSK	50	28	24.04	24.18	24.12			
20	QPSK	50	56	23.08	23.12	23.21			
20	QPSK	100	0	23.02	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.89	22.82	22.72	24.2	1.0	
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch./F. [MHz]	Power Middle Ch./F. [MHz]	Power High Ch./F. [MHz]			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.56	23.68	23.67			
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15			
20	QPSK	1	104	23.97	24.02	23.95	25.2	0.0	
20	QPSK	50	0	23.08	23.14	23.16			
20	QPSK	50	28	24.12	24.16	24.14			
20	QPSK	50	56	23.10	23.09	23.21			
20	QPSK	100	0	23.06	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.74	22.86	22.76	24.2	1.0	
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	139600	140100	MPR
Frequency (MHz)				670.5	680.5	690.5	700.5	705.5	(dB)
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	140100	140600	MPR
Frequency (MHz)				668	680.5	693	703	708	(dB)
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	140600	141100	MPR
Frequency (MHz)				665.5	680.5	695.5	705.5	710.5	(dB)
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	



n2_Ant 0_DS15										
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)		
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
				376000	378000	380000				
Channel				1860	1880	1900				
Frequency (MHz)										
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0		
20	Pl2 BPSK	1	53	23.59	23.66	23.54				
20	Pl2 BPSK	1	104	23.54	23.55	23.42				
20	Pl2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5		
20	Pl2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0		
20	Pl2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5		
20	Pl2 BPSK	100	0	23.60	23.63	23.52	24.7	0.0		
20	QPSK	1	1	23.48	23.52	23.42				
20	QPSK	1	53	23.57	23.61	23.52				
20	QPSK	1	104	23.48	23.52	23.36	23.7	1.0		
20	QPSK	50	0	23.09	23.06	23.01				
20	QPSK	50	28	23.61	23.63	23.61				
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0		
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0		
20	16QAM	1	1	22.74	22.78	22.64				
20	64QAM	1	1	21.28	21.31	21.18				
20	256QAM	1	1	19.94	19.95	19.76	20.2	4.5		
Channel				371500	376000	380500	1867.5 limit (dBm)	MPR (dB)		
15	Pl2 BPSK	1	1	23.45	23.54	23.39	24.7	0.0		
Channel				371000	376000	381000	1865 limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	Pl2 BPSK	1	1	23.48	23.52	23.39	24.7	0.0		
Channel				370500	376000	381500	1862.5 limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5 <th>1880</th> <th>1907.5</th> <td colspan="4"></td>	1880	1907.5				
5	Pl2 BPSK	1	1	23.45	23.52	23.38	24.7	0.0		

n2_Ant 1_DS15										
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)		
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
				372000	376000	380000				
Channel				1860	1880	1900				
Frequency (MHz)										
20	Pl2 BPSK	1	1	13.02	13.28	13.23	14.7	0.0		
20	Pl2 BPSK	1	53	13.63	13.59	13.54				
20	Pl2 BPSK	1	104	13.22	13.20	13.13				
20	Pl2 BPSK	50	0	13.07	13.44	13.23	14.7	0.0		
20	Pl2 BPSK	50	28	13.39	13.45	13.37	14.7	0.0		
20	Pl2 BPSK	50	56	13.25	13.31	13.30	14.7	0.0		
20	Pl2 BPSK	100	0	13.06	13.27	13.06	14.7	0.0		
20	QPSK	1	1	13.16	13.30	13.20				
20	QPSK	1	53	13.47	13.52	13.56				
20	QPSK	1	104	13.13	13.14	13.19	14.7	0.0		
20	QPSK	50	0	13.15	13.12	13.20				
20	QPSK	50	28	13.34	13.51	13.51				
20	QPSK	50	56	13.15	13.33	13.22	14.7	0.0		
20	QPSK	100	0	13.17	13.37	13.22	14.7	0.0		
20	16QAM	1	1	13.16	13.27	13.25				
20	64QAM	1	1	13.06	13.14	13.14				
20	256QAM	1	1	13.15	13.16	13.08	14.7	0.0		
Channel				371500	376000	380500	1867.5 limit (dbm)	MPR (db)		
15	Pl2 BPSK	1	1	13.11	13.35	13.29	14.7	0.0		
Channel				371000	376000	381000	1865 limit (dbm)	MPR (db)		
Frequency (MHz)				1855	1880	1905				
10	Pl2 BPSK	1	1	13.17	13.33	13.37	14.7	0.0		
Channel				370500	376000	381500	1862.5 limit (dbm)	MPR (db)		
Frequency (MHz)				1852.5	1880	1907.5				
5	Pl2 BPSK	1	1	13.08	13.47	13.26	14.7	0.0		

n2_Ant 4_DS15											
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)					Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.			Power High Ch. / Freq.
				372000	376000	380000	372000	376000			380000
Channel				1860	1880	1900					
Frequency (MHz)											
20	Pl2 BPSK	1	1	21.66	21.72	21.63	22.7	0.0			
20	Pl2 BPSK	1	53	21.73	21.75	21.69					
20	Pl2 BPSK	1	104	21.63	21.68	21.67					
20	Pl2 BPSK	50	0	21.43	21.52	21.46	22.2	0.5			
20	Pl2 BPSK	50	28	21.60	21.69	21.62	22.7	0.0			
20	Pl2 BPSK	50	56	21.43	21.47	21.44	22.2	0.5			
20	Pl2 BPSK	100	0	21.49	21.50	21.45	22.7	0.0			
20	QPSK	1	1	21.42	21.51	21.42					
20	QPSK	1	53	21.34	21.44	21.41					
20	QPSK	1	104	21.36	21.43	21.42	21.7	1.0			
20	QPSK	50	0	20.99	21.00	20.90					
20	QPSK	50	28	21.57	21.60	21.60					
20	QPSK	50	56	21.00	21.05	21.01	21.7	1.0			
20	QPSK	100	0	21.08	21.10	21.08	21.7	1.0			
20	16QAM	1	1	20.79	20.80	20.73					
20	64QAM	1	1	18.95	18.95	18.86					
20	256QAM	1	1	17.09	17.17	17.16	18.2	4.5			
Channel				371500	376000	380500	1867.5	limit (dbm)	MPR (db)		
15	Pl2 BPSK	1	1	21.62	21.69	21.62	22.7	0.0			
Channel				371000	376000	381000	1865	limit (dbm)	MPR (db)		
Frequency (MHz)				1855	1880	1905					
10	Pl2 BPSK	1	1	21.59	21.70	21.58	22.7	0.0			
Channel				370500	376000	381500	1862.5	limit (dbm)	MPR (db)		
Frequency (MHz)				1852.5	1880	1907.5					
5	Pl2 BPSK	1	1	21.63	21.71	21.57	22.7	0.0			

n25_Ant 0_DSI5								
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Time-up limit (dbm)	MPR (db)
				Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.		
				374000	376500	379000		
				1870	1882.5	1895		
40	PV2 BPSK	1	1	23.16	23.23	23.16	24.7	0.0
40	PV2 BPSK	1	108	23.68	23.77	23.68		
40	PV2 BPSK	1	214	23.15	23.25	23.25	24.2	0.5
40	PV2 BPSK	108	0	23.07	23.16	23.06		
40	PV2 BPSK	108	54	23.71	23.74	23.69	24.7	0.0
40	PV2 BPSK	108	108	23.08	23.12	23.09	24.2	0.5
40	PV2 BPSK	216	0	23.14	23.15	23.10		
40	QPSK	1	1	23.01	23.11	23.04	24.7	0.0
40	QPSK	1	108	23.54	23.60	23.55		
40	QPSK	1	214	23.05	23.10	23.10		
40	QPSK	108	0	22.85	22.86	22.86	23.7	1.0
40	QPSK	108	54	23.68	23.72	23.64	24.7	0.0
40	QPSK	108	108	22.56	22.64	22.55	23.7	1.0
40	QPSK	216	0	22.57	22.60	22.58		
40	16QAM	1	1	21.89	21.97	21.96	23.7	1.0
40	64QAM	1	1	20.49	20.50	20.42	22.2	2.5
40	256QAM	1	1	18.80	19.00	18.82	20.2	4.5
				373000	376500	380000		
				1865	1882.5	1900		
30	PV2 BPSK	1	1	23.10	23.15	23.08	24.7	0.0
				372500	376500	380500		
				1862.5	1882.5	1902.5		
25	PV2 BPSK	1	1	23.06	23.16	23.11	24.7	0.0
				372000	376500	381000		
				1860	1882.5	1902		
20	PV2 BPSK	1	1	23.15	23.15	23.13	24.7	0.0
				371500	376500	381500		
				1857.5	1882.5	1907.5		
15	PV2 BPSK	1	1	23.07	23.23	23.16	24.7	0.0
				371000	376500	382000		
				1855	1882.5	1910		
10	PV2 BPSK	1	1	23.09	23.20	23.07	24.7	0.0
				370500	376500	382500		
				1852.5	1882.5	1912.5		
5	PV2 BPSK	1	1	23.06	23.10	23.11	24.7	0.0

n25_Ant 1_DSIS								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Time-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				374000	376500	379000		
			Channel					
			Frequency (MHz)	1870	1882.5	1895		
40	PV2 BPSK	1	1	13.02	13.10	13.10	14.7	0.0
40	PV2 BPSK	1	108	13.61	13.62	13.57		
40	PV2 BPSK	1	214	13.07	13.15	13.05	14.7	0.0
40	PV2 BPSK	108	0	13.02	13.11	13.08		
40	PV2 BPSK	108	54	13.63	13.60	13.51	14.7	0.0
40	PV2 BPSK	108	108	13.10	13.13	13.13	14.7	0.0
40	PV2 BPSK	216	0	13.00	13.08	13.06		
40	QPSK	1	1	13.12	13.12	13.12	14.7	0.0
40	QPSK	1	108	13.39	13.47	13.38		
40	QPSK	1	214	12.99	13.07	13.07		
40	QPSK	108	0	13.10	13.10	13.01	14.7	0.0
40	QPSK	108	54	13.32	13.40	13.38	14.7	0.0
40	QPSK	108	108	13.11	13.17	13.11	14.7	0.0
40	QPSK	216	0	13.11	13.20	13.10		
40	16QAM	1	1	13.10	13.15	13.14	14.7	0.0
40	64QAM	1	1	12.98	13.05	13.00	14.7	0.0
40	256QAM	1	1	13.02	13.10	13.03	14.7	0.0
			Channel	373000	376500	380000	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1865	1882.5	1900		
30	PV2 BPSK	1	1	12.91	13.02	12.93	14.7	0.0
			Channel	372500	376500	380500	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1862.5	1882.5	1902.5		
25	PV2 BPSK	1	1	13.01	12.93	12.90	14.7	0.0
			Channel	372000	376500	381000	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1860	1882.5	1902		
20	PV2 BPSK	1	1	12.91	12.98	13.00	14.7	0.0
			Channel	371500	376500	381500	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1857.5	1882.5	1907.5		
15	PV2 BPSK	1	1	12.96	13.01	13.02	14.7	0.0
			Channel	371000	376500	382000	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1855	1882.5	1910		
10	PV2 BPSK	1	1	12.95	12.97	13.06	14.7	0.0
			Channel	370500	376500	382500	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1852.5	1882.5	1912.5		
5	PV2 BPSK	1	1	12.88	12.93	12.92	14.7	0.0

n25_Ant 4_DSIS								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PV2 BPSK	1	1	21.69	21.76	21.71	22.7	0.0
40	PV2 BPSK	1	108	22.22	22.30	22.29		
40	PV2 BPSK	1	214	21.70	21.70	21.68	22.2	0.5
40	PV2 BPSK	108	0	21.33	21.35	21.34		
40	PV2 BPSK	108	54	22.02	22.04	22.01	22.7	0.0
40	PV2 BPSK	108	108	21.29	21.38	21.35	22.2	0.5
40	PV2 BPSK	216	0	21.32	21.33	21.26		
40	QPSK	1	1	21.43	21.44	21.37	22.7	0.0
40	QPSK	1	108	22.00	22.00	22.00		
40	QPSK	1	214	21.43	21.48	21.48		
40	QPSK	108	0	20.78	20.80	20.77	21.7	1.0
40	QPSK	108	54	21.92	22.00	21.93	22.7	0.0
40	QPSK	108	108	20.86	20.88	20.86	21.7	1.0
40	QPSK	216	0	20.88	20.90	20.84		
40	64QAM	1	1	20.14	20.15	20.13	21.7	1.0
40	64QAM	1	1	18.88	18.88	18.86	20.2	2.5
40	256QAM	1	1	17.15	17.23	17.21	18.2	4.5
Channel				373000	376500	380000	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1865	1882.5	1900		
30	PV2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0
Channel				372500	376500	380500	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PV2 BPSK	1	1	21.69	21.74	21.72	22.7	0.0
Channel				372000	376500	381000	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1860	1882.5	1905		
20	PV2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0
Channel				371500	376500	381500	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PV2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0
Channel				371000	376500	382000	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1855	1882.5	1910		
10	PV2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0
Channel				370500	376500	382500	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PV2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0

n66_Ant 0_DSIS									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Time-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1770			
40	P12 BPSK	1	1	23.01	23.13	23.11	24.7	0.0	
40	P12 BPSK	1	108	23.65	23.77	23.76			
40	P12 BPSK	1	214	23.07	23.16	23.11	24.2	0.5	
40	P12 BPSK	108	0	22.98	23.10	23.09			
40	P12 BPSK	108	54	23.67	23.71	23.65	24.7	0.0	
40	P12 BPSK	108	108	23.13	23.17	23.11	24.2	0.5	
40	P12 BPSK	216	0	23.13	23.20	23.11	24.7	0.0	
40	QPSK	1	1	23.10	23.15	23.07			
40	QPSK	1	108	23.65	23.70	23.64	23.7	1.0	
40	QPSK	1	214	23.03	23.10	23.03			
40	QPSK	108	0	22.57	22.70	22.68	23.7	1.0	
40	QPSK	108	54	23.67	23.72	23.62	24.7	0.0	
40	QPSK	108	108	22.53	22.66	22.61	23.7	1.0	
40	QPSK	216	0	22.56	22.62	22.60	23.7	1.0	
40	16QAM	1	1	21.97	22.00	21.94			
40	64QAM	1	1	20.61	20.70	20.68	22.2	2.5	
40	256QAM	1	1	15.19	15.22	15.12	20.2	4.5	
Channel				345000	349000	353000	time-up limit (dbm)		
Frequency (MHz)				1725	1745	1765	MPR (db)		
30	P12 BPSK	1	1	22.96	23.09	23.08	24.7	0.0	
Channel				344500	349000	353500	time-up limit (db)		
Frequency (MHz)				1722.5	1745	1767.5	limit (db)		
25	P12 BPSK	1	1	22.98	23.07	23.10	24.7	0.0	
Channel				344000	349000	354000	time-up limit (dbm)		
Frequency (MHz)				1720	1745	1770	limit (db)		
20	P12 BPSK	1	1	22.96	23.07	23.07	24.7	0.0	
Channel				343500	349000	354500	time-up limit (dbm)		
Frequency (MHz)				1717.5	1745	1772.5	limit (db)		
15	P12 BPSK	1	1	23.00	23.07	23.06	24.7	0.0	
Channel				343000	349000	355000	time-up limit (dbm)		
Frequency (MHz)				1715	1745	1775	limit (db)		
10	P12 BPSK	1	1	22.95	23.10	23.08	24.7	0.0	
Channel				342500	349000	355500	time-up limit (dbm)		
Frequency (MHz)				1712.5	1745	1777.5	limit (db)		
5	P12 BPSK	1	1	22.97	23.06	23.05	24.7	0.0	

n66_Ant 1_DSIS									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Time-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				349000	349000	350000			
Frequency (MHz)				1720	1745	1760			
40	P12 BPSK	1	1	14.59	14.60	14.50	16.2	0.0	
40	P12 BPSK	1	108	15.19	15.25	15.17			
40	P12 BPSK	1	214	14.60	14.53	14.57	16.2	0.0	
40	P12 BPSK	108	0	14.53	14.57	14.54			
40	P12 BPSK	108	54	15.12	15.20	15.19	16.2	0.0	
40	P12 BPSK	108	108	14.32	14.40	14.39	16.2	0.0	
40	P12 BPSK	216	0	14.44	14.50	14.45	16.2	0.0	
40	QPSK	1	1	14.50	14.57	14.54			
40	QPSK	1	108	15.13	15.17	15.11	16.2	0.0	
40	QPSK	1	214	14.46	14.53	14.52	16.2	0.0	
40	QPSK	108	0	14.41	14.50	14.40			
40	QPSK	108	54	15.01	15.08	15.04	16.2	0.0	
40	QPSK	108	108	14.50	14.55	14.52	16.2	0.0	
40	QPSK	216	0	14.52	14.52	14.51	16.2	0.0	
40	16QAM	1	1	14.45	14.48	14.41			
40	64QAM	1	1	14.50	14.50	14.45	16.2	0.0	
40	256QAM	1	1	14.35	14.45	14.41	16.2	0.0	
Channel				345000	349000	353000	time-up limit (dbm)		
Frequency (MHz)				1725	1745	1765	MPR (db)		
30	P12 BPSK	1	1	14.58	14.44	14.31	16.2	0.0	
Channel				341500	349000	353500	time-up limit (db)		
Frequency (MHz)				1722.5	1745	1767.5	MPR (db)		
25	P12 BPSK	1	1	14.51	14.44	14.31	16.2	0.0	
Channel				344000	349000	354000	time-up limit (db)		
Frequency (MHz)				1720	1745	1770	limit (db)		
20	P12 BPSK	1	1	14.41	14.49	14.33	16.2	0.0	
Channel				343500	349000	354500	time-up limit (dbm)		
Frequency (MHz)				1717.5	1745	1772.5	limit (db)		
15	P12 BPSK	1	1	14.41	14.43	14.36	16.2	0.0	
Channel				343000	349000	355000	time-up limit (db)		
Frequency (MHz)				1715	1745	1775	limit (db)		
10	P12 BPSK	1	1	14.54	14.56	14.36	16.2	0.0	
Channel				342500	349000	355500	time-up limit (db)		
Frequency (MHz)				1712.5	1745	1777.5	limit (db)		
5	P12 BPSK	1	1	14.54	14.55	14.34	16.2	0.0	

n66_Ant 4_DSIS									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Time-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1763	1743	1707			
40	P12 BPSK	1	1	23.16	23.17	23.07	24.7	0.0	
40	P12 BPSK	1	108	23.68	23.77	23.66			
40	P12 BPSK	1	214	23.05	23.12	23.06	24.2	0.5	
40	P12 BPSK	108	0	22.77	22.85	22.72			
40	P12 BPSK	108	54	23.50	23.54	23.45	24.7	0.0	
40	P12 BPSK	108	108	22.76	22.77	22.66	24.2	0.5	
40	P12 BPSK	216	0	22.71	22.80	22.69	24.7	0.0	
40	QPSK	1	1	22.97	22.97	22.84			
40	QPSK	1	108	23.45	23.46	23.34	23.7	1.0	
40	QPSK	1	214	22.93	22.93	22.85			
40	QPSK	108	0	22.32	22.39	22.29	23.7	1.0	
40	QPSK	108	54	23.46	23.50	23.47	24.7	0.0	
40	QPSK	108	108	22.22	22.27	22.14	23.7	1.0	
40	QPSK	216	0	22.14	22.21	22.08	23.7	1.0	
40	16QAM	1	1	21.72	21.72	21.71			
40	16QAM	1	1	20.23	20.30	20.22	22.2	2.5	
40	256QAM	1	1	18.85	18.80	18.80	20.2	4.5	
Channel				345000	349000	353000	time-up limit (dBm)		
Frequency (MHz)				1725	1745	1765	MPR (dB)		
30	P12 BPSK	1	1	23.12	23.09	23.02	24.7	0.0	
Channel				344500	349000	353500	time-up limit (dB)		
Frequency (MHz)				1722.5	1745	1767.5	limit (dB)		
25	P12 BPSK	1	1	23.07	23.12	22.98	24.7	0.0	
Channel				344000	349000	354000	time-up limit (dB)		
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	P12 BPSK	1	1	23.10	23.13	22.99	24.7	0.0	
Channel				343500	349000	354500	time-up limit (dBm)		
Frequency (MHz)				1717.5	1745	1772.5	limit (dB)		
15	P12 BPSK	1	1	23.14	23.16	23.03	24.7	0.0	
Channel				343000	349000	355000	time-up limit (dB)		
Frequency (MHz)				1715	1745	1775	limit (dB)		
10	P12 BPSK	1	1	23.03	23.17	23.07	24.7	0.0	
Channel				342500	349000	355500	time-up limit (dB)		
Frequency (MHz)				1712.5 <td>1745</td> <td>1777.5</td> <th colspan="3">limit (dB)</th>	1745	1777.5	limit (dB)		
5	P12 BPSK	1	1	23.07	23.16	23.05	24.7	0.0	

n71_Ant 0_DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	134100	133600		
Channel				673	680.5	685		
Frequency (MHz)								
20	Pl/2 BPSK	1	1	23.95	24.04	23.98		
20	Pl/2 BPSK	1	53	24.10	24.21	24.15	25.2	0.0
20	Pl/2 BPSK	1	104	23.99	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.98	23.15	23.18	24.2	1.0
20	QPSK	50	28	24.04	24.16	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.89	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	133100	133100	133100 limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	133100	133600	133100 limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	Pl/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	133600	133100	133100 limit (dBm)	MPR (dB)
Frequency (MHz)				692.5	680.5	692.5		
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1_DS15								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up power (dbm)	MPR (db)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134650	134100	133700		
Channel				673	680.5	688		
Frequency (MHz)								
20	P2/BPSK	1	1	18.71	18.81	18.74		
20	P2/BPSK	1	53	18.92	18.94	18.88	20.2	0.0
20	P2/BPSK	1	104	18.83	18.83	18.74		
20	P2/BPSK	50	0	18.42	18.43	18.37	20.2	0.0
20	P2/BPSK	50	28	18.90	18.93	18.84	20.2	0.0
20	P2/BPSK	50	56	18.31	18.38	18.34	20.2	0.0
20	P2/BPSK	100	0	18.44	18.52	18.50		
20	QPSK	1	1	18.73	18.75	18.70		
20	QPSK	1	53	18.81	18.84	18.75	20.2	0.0
20	QPSK	1	104	18.73	18.79	18.71		
20	QPSK	50	0	18.39	18.43	18.35	20.2	0.0
20	QPSK	50	28	18.83	18.89	18.81	20.2	0.0
20	QPSK	50	56	18.28	18.28	18.23	20.2	0.0
20	QPSK	100	0	18.48	18.50	18.48		
20	16QAM	1	1	18.30	18.35	18.31	20.2	0.0
20	64QAM	1	1	18.46	18.50	18.47	20.2	0.0
20	256QAM	1	1	18.47	18.55	18.49	20.2	0.0
Channel				134100	133100	133100	133100 limit (dbm)	MPR (db)
Frequency (MHz)				670.5	680.5	690.5		
15	P2/BPSK	1	1	18.59	18.67	18.67	20.2	0.0
Channel				133600	133100	133600	133100 limit (dbm)	MPR (db)
Frequency (MHz)				668	680.5	693		
10	P2/BPSK	1	1	18.60	18.78	18.73	20.2	0.0
Channel				133100	133600	133100	133100 limit (dbm)	MPR (db)
Frequency (MHz)				692.5	680.5	692.5		
5	P2/BPSK	1	1	18.52	18.77	18.67	20.2	0.0

n2_Ant 0_DSI10									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	378000 1890	380000 1900			
Channel Frequency (MHz)									
20	PI/2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	PI/2 BPSK	1	53	23.99	23.66	23.54			
20	PI/2 BPSK	1	104	23.54	23.55	23.42			
20	PI/2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	PI/2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	PI/2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	PI/2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.39	23.7	1.0	
20	QPSK	50	0	23.09	23.06	23.01			
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0	
20	16QAM	1	1	22.74	22.78	22.64			
20	16QAM	1	1	21.28	21.31	21.18			
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel Frequency (MHz)									
15	PI/2 BPSK	1	1	23.45	23.54	23.39	24.7	0.0	
Channel Frequency (MHz)									
10	PI/2 BPSK	1	1	23.48	23.52	23.39	24.7	0.0	
Channel Frequency (MHz)									
5	PI/2 BPSK	1	1	23.45	23.52	23.38	24.7	0.0	

n2_Ant 1_DSI10									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	11.25	11.48	11.23	13.2	0.0	
20	PI/2 BPSK	1	53	11.94	12.00	11.88			
20	PI/2 BPSK	1	104	11.48	11.42	11.37			
20	PI/2 BPSK	50	0	11.86	11.89	11.80	13.2	0.0	
20	PI/2 BPSK	50	28	11.90	11.96	11.89	13.2	0.0	
20	PI/2 BPSK	50	56	11.45	11.41	11.31	13.2	0.0	
20	PI/2 BPSK	100	0	11.32	11.40	11.37			
20	QPSK	1	1	11.48	11.34	11.43			
20	QPSK	1	53	11.65	11.70	11.71	13.2	0.0	
20	QPSK	1	104	11.35	11.27	11.52	13.2	0.0	
20	QPSK	50	0	11.52	11.43	11.17			
20	QPSK	50	28	11.74	11.78	11.72			
20	QPSK	50	56	11.40	11.45	11.29	13.2	0.0	
20	QPSK	100	0	11.44	11.52	11.49	13.2	0.0	
20	16QAM	1	1	11.38	11.41	11.36			
20	16QAM	1	1	11.31	11.26	11.26			
20	256QAM	1	1	11.23	11.46	11.29	13.2	0.0	
Channel									
15	PI/2 BPSK	1	1	11.54	11.47	11.42	13.2	0.0	
Channel									
10	PI/2 BPSK	1	1	371000 1855	376000 1890	381000 1905	13.2	0.0	MPR (dB)
Channel									
10	PI/2 BPSK	1	1	11.49	11.41	11.36	13.2	0.0	MPR (dB)
Channel									
5	PI/2 BPSK	1	1	11.49	11.42	11.52	13.2	0.0	MPR (dB)

n2_Ant 4_DSI10									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel Frequency (MHz)									
20	PI/2 BPSK	1	1	21.66	21.72	21.63	22.7	0.0	
20	PI/2 BPSK	1	53	21.73	21.75	21.69			
20	PI/2 BPSK	1	104	21.63	21.68	21.67			
20	PI/2 BPSK	50	0	21.43	21.52	21.49	22.2	0.5	
20	PI/2 BPSK	50	28	21.60	21.69	21.62	22.7	0.0	
20	PI/2 BPSK	50	56	21.43	21.47	21.44	22.2	0.5	
20	PI/2 BPSK	100	0	21.49	21.50	21.45			
20	QPSK	1	1	21.42	21.51	21.42			
20	QPSK	1	53	21.34	21.44	21.41	22.7	0.0	
20	QPSK	1	104	21.38	21.43	21.42	21.7	1.0	
20	QPSK	50	0	20.99	21.00	20.90			
20	QPSK	50	28	21.57	21.60	21.60			
20	QPSK	50	56	21.00	21.05	21.01	21.7	1.0	
20	QPSK	100	0	21.06	21.10	21.06	21.7	1.0	
20	16QAM	1	1	20.79	20.80	20.73			
20	16QAM	1	1	18.95	18.95	18.86			
20	256QAM	1	1	17.09	17.17	17.16	18.2	4.5	
Channel Frequency (MHz)									
15	PI/2 BPSK	1	1	21.62	21.69	21.62	22.7	0.0	
Channel Frequency (MHz)									
10	PI/2 BPSK	1	1	21.59	21.70	21.58	22.7	0.0	
Channel Frequency (MHz)									
5	PI/2 BPSK	1	1	21.63	21.71	21.57	22.7	0.0	

n71_Ant 0_DSI10								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
		Channel		134600	136100	137600		
		Frequency (MHz)		673	680.5	688		
20	PV2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	PV2 BPSK	1	53	24.10	24.21	24.15		
20	PV2 BPSK	1	104	23.98	24.15	24.02		
20	PV2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	PV2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	PV2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	PV2 BPSK	100	0	23.53	23.78	23.67		
20	QPSK	1	1	23.91	24.08	23.95	25.2	0.0
20	QPSK	1	53	24.05	24.16	24.14		
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.16	24.2	1.0
20	16QAM	1	1	22.89	22.82	22.72		
20	16QAM	1	1	21.23	21.42	21.28		
20	256QAM	1	1	19.97	20.00	19.98		
		Channel		134100	136100	138100	Tune-up limit (dBm)	MPR
		Frequency (MHz)		670.5	680.5	690.5		
15	PV2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
		Channel		133600	136100	138600	Tune-up limit (dBm)	MPR
		Frequency (MHz)		668	680.5	693		
10	PV2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
		Channel		133100	136100	139100	Tune-up limit (dBm)	MPR
		Frequency (MHz)		665.5	680.5	695.5		
5	PV2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant1_DSI10								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PV2 BPSK	1	1	17.12	17.27	17.15	18.7	0.0
20	PV2 BPSK	1	53	17.40	17.41	17.36		
20	PV2 BPSK	1	104	17.30	17.28	17.24		
20	PV2 BPSK	50	0	16.90	16.88	16.79		
20	PV2 BPSK	50	28	17.33	17.35	17.28	18.7	0.0
20	PV2 BPSK	50	56	16.80	16.78	16.82	18.7	0.0
20	PV2 BPSK	100	0	16.87	16.98	16.93		
20	QPSK	1	1	17.15	17.24	17.12	18.7	0.0
20	QPSK	1	53	17.29	17.34	17.20		
20	QPSK	1	104	17.20	17.19	17.20		
20	QPSK	50	0	16.89	16.85	16.78	18.7	0.0
20	QPSK	50	28	17.32	17.29	17.24	18.7	0.0
20	QPSK	50	56	16.76	16.70	16.72	18.7	0.0
20	QPSK	100	0	16.89	16.92	16.89	18.7	0.0
20	16QAM	1	1	16.70	16.76	16.73		
20	64QAM	1	1	16.88	16.98	16.93		
20	256QAM	1	1	16.94	16.98	16.92		
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR
Frequency (MHz)				670.5	680.5	690.5		
15	PV2 BPSK	1	1	17.02	17.20	17.03	18.7	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	PV2 BPSK	1	1	17.06	17.21	17.13	18.7	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR
Frequency (MHz)				665.5	680.5	695.5		
5	PV2 BPSK	1	1	17.07	17.08	17.02	18.7	0.0

n2_Ant 0_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	17.40	17.35	17.45	19.2	0.0	
20	PI/2 BPSK	1	53	17.86	17.82	17.90			
20	PI/2 BPSK	1	104	17.64	17.54	17.34			
20	PI/2 BPSK	50	0	17.45	17.56	17.39	19.2	0.0	
20	PI/2 BPSK	50	28	17.82	17.88	17.87	19.2	0.0	
20	PI/2 BPSK	50	56	17.52	17.33	17.52	19.2	0.0	
20	PI/2 BPSK	100	0	17.36	17.41	17.27			
20	QPSK	1	1	17.46	17.49	17.58			
20	QPSK	1	53	17.67	17.91	17.84	19.2	0.0	
20	QPSK	1	104	17.40	17.39	17.48			
20	QPSK	50	0	17.67	17.52	17.32			
20	QPSK	50	28	17.74	17.73	17.58	19.2	0.0	
20	QPSK	50	56	17.48	17.59	17.35	19.2	0.0	
20	QPSK	100	0	17.43	17.39	17.49	19.2	0.0	
20	16QAM	1	1	17.45	17.48	17.41			
20	64QAM	1	1	17.35	17.49	17.36			
20	256QAM	1	1	17.38	17.51	17.33	19.2	0.0	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	17.42	17.53	17.44	19.2	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	17.53	17.41	17.31	19.2	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	17.51	17.37	17.35	19.2	0.0	

n2_Ant 1 DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				372000 1860	376000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	19.21	19.25	19.20	20.7	0.0	
20	PI/2 BPSK	1	53	19.65	19.79	19.69			
20	PI/2 BPSK	1	104	19.37	19.25	19.19			
20	PI/2 BPSK	50	0	19.12	19.03	19.07	20.7	0.0	
20	PI/2 BPSK	50	28	19.65	19.75	19.66	20.7	0.0	
20	PI/2 BPSK	50	56	19.21	19.09	19.41	20.7	0.0	
20	PI/2 BPSK	100	0	19.14	19.34	19.20			
20	QPSK	1	1	19.24	19.34	19.37			
20	QPSK	1	53	19.54	19.70	19.59	20.7	0.0	
20	QPSK	1	104	19.21	19.21	19.38			
20	QPSK	50	0	19.37	19.27	19.93			
20	QPSK	50	28	19.46	19.49	19.48	20.7	0.0	
20	QPSK	50	56	19.15	19.30	19.30	20.7	0.0	
20	QPSK	100	0	19.29	19.26	19.25	20.7	0.0	
20	16QAM	1	1	19.14	19.27	19.30			
20	64QAM	1	1	19.00	19.29	19.15			
20	256QAM	1	1	19.08	19.18	19.13	20.2	0.5	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	19.08	19.22	19.24	20.7	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	19.10	19.25	19.19	20.7	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	19.22	19.14	19.13	20.7	0.0	

n2_Ant 4_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	17.87	17.99	18.09	19.2	0.0	
20	PI/2 BPSK	1	53	18.61	18.65	18.57			
20	PI/2 BPSK	1	104	18.03	18.00	18.04			
20	PI/2 BPSK	50	0	18.45	18.54	18.51	19.2	0.0	
20	PI/2 BPSK	50	28	18.45	18.50	18.50	19.2	0.0	
20	PI/2 BPSK	50	56	18.42	18.52	18.32	19.2	0.0	
20	PI/2 BPSK	100	0	18.37	18.55	18.36			
20	QPSK	1	1	18.02	18.07	18.04			
20	QPSK	1	53	18.56	18.56	18.40	19.2	0.0	
20	QPSK	1	104	17.88	18.07	17.87			
20	QPSK	50	0	18.45	18.44	18.43			
20	QPSK	50	28	18.44	18.52	18.42	19.2	0.0	
20	QPSK	50	56	18.23	18.35	18.45	19.2	0.0	
20	QPSK	100	0	18.41	18.35	18.32	19.2	0.0	
20	16QAM	1	1	17.81	17.74	17.82			
20	16QAM	1	1	17.81	17.76	17.78			
20	256QAM	1	1	17.39	17.43	17.34	18.2	1.0	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	17.87	18.05	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	17.87	17.96	18.00	19.2	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	17.84	18.07	17.90	19.2	0.0	

n71_Ant 0_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	P1/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	P1/2 BPSK	1	53	24.10	24.21	24.15			
20	P1/2 BPSK	1	104	23.98	24.15	24.02			
20	P1/2 BPSK	50	0	23.51	23.65	23.68			
20	P1/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	P1/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	P1/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95	25.2	0.0	
20	QPSK	1	53	24.05	24.18	24.14			
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.88	23.15	23.16			
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0	
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18			
20	16QAM	1	1	22.89	22.82	22.72	24.2	1.0	
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	P1/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	P1/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	P1/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PV2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PV2 BPSK	1	53	24.14	24.19	24.16			
20	PV2 BPSK	1	104	23.99	24.08	24.02			
20	PV2 BPSK	50	0	23.58	23.68	23.67			
20	PV2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PV2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PV2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01	25.2	0.0	
20	QPSK	1	53	24.11	24.17	24.15			
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16			
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0	
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.08	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.76	24.2	1.0	
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PV2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				670.5	680.5	693			
10	PV2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	PV2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	



n2_Ant 0_DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low	Power Middle	Power High			
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
				372000	376000	380000			
				1860	1880	1900			
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	19.32	19.30	19.30			
20	PV2 BPSK	1	53	19.83	20.08	20.05	21.2	0.0	
20	PV2 BPSK	1	104	19.56	19.58	19.26			
20	PV2 BPSK	50	0	19.29	19.38	19.41	21.2	0.0	
20	PV2 BPSK	50	26	19.88	20.07	19.92	21.2	0.0	
20	PV2 BPSK	50	56	19.46	19.34	19.52			
20	PV2 BPSK	100	0	19.29	19.44	19.35	21.2	0.0	
20	QPSK	1	1	19.41	19.48	19.46			
20	QPSK	1	53	19.68	19.84	19.77	21.2	0.0	
20	QPSK	1	104	19.41	19.51	19.60			
20	QPSK	50	0	19.52	19.51	19.24	21.2	0.0	
20	QPSK	50	28	19.64	19.71	19.64	21.2	0.0	
20	QPSK	50	56	19.52	19.69	19.33			
20	QPSK	100	0	19.32	19.38	19.49			
20	16QAM	1	1	19.40	19.39	19.43	21.2	0.0	
20	64QAM	1	1	19.22	19.34	19.34	21.2	0.0	
20	256QAM	1	1	19.38	19.53	19.41	20.2	1.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5		(dB)	
15	PV2 BPSK	1	1	19.31	19.30	19.29	21.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				1855	1880	1905		(dB)	
10	PV2 BPSK	1	1	19.43	19.29	19.41	21.2	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR	
Frequency (MHz)				1852.5	1880	1907.5		(dB)	
5	PV2 BPSK	1	1	19.31	19.34	19.23	21.2	0.0	

n2_Ant 1_DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel				1860	1880	1900			
Frequency (MHz)									
20	PI/2 BPSK	1	1	20.39	20.40	20.36			
20	PI/2 BPSK	1	53	20.83	20.99	20.86	22.2	0.0	
20	PI/2 BPSK	1	104	20.61	20.43	20.43			
20	PI/2 BPSK	50	0	20.35	20.18	20.25	22.2	0.0	
20	PI/2 BPSK	50	28	20.90	20.99	20.89	22.2	0.0	
20	PI/2 BPSK	50	56	20.42	20.34	20.62			
20	PI/2 BPSK	100	0	20.30	20.53	20.37	22.2	0.0	
20	QPSK	1	1	20.46	20.54	20.53			
20	QPSK	1	53	20.71	20.91	20.79	22.2	0.0	
20	QPSK	1	104	20.44	20.37	20.55			
20	QPSK	50	0	20.52	20.47	20.00	22.2	0.0	
20	QPSK	50	28	20.69	20.64	20.70	22.2	0.0	
20	QPSK	50	56	20.38	20.45	20.51			
20	QPSK	100	0	20.45	20.51	20.45	22.2	0.0	
20	16QAM	1	1	20.29	20.42	20.55	22.2	0.0	
20	64QAM	1	1	20.16	20.49	20.38	22.2	0.0	
20	256QAM	1	1	19.54	19.61	19.54	20.2	2.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	20.35	20.39	20.43	22.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1855	1880	1902			
10	PI/2 BPSK	1	1	20.41	20.47	20.48			
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	20.46	20.32	20.38	22.2	0.0	



n66_Ant 1_DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				Channel	346000	349000	352000		
				Frequency (MHz)	1730	1745	1760		
40	PI/2 BPSK	1	1		20.12	20.10	20.00	21.7	0.0
40	PI/2 BPSK	1	108		20.68	20.77	20.67		
40	PI/2 BPSK	1	214		20.11	19.99	20.05		
40	PI/2 BPSK	108	0		20.04	20.12	20.00	21.7	0.0
40	PI/2 BPSK	108	54		20.59	20.70	20.68	21.7	0.0
40	PI/2 BPSK	108	108		19.87	19.87	19.92	21.7	0.0
40	PI/2 BPSK	216	0		19.94	20.05	19.95		
40	QPSK	1	1		19.95	20.07	20.05		
40	QPSK	1	108		20.63	20.68	20.60	21.7	0.0
40	QPSK	1	214		20.01	20.08	20.03		
40	QPSK	108	0		19.88	19.97	19.92	21.7	0.0
40	QPSK	108	54		20.55	20.59	20.54	21.7	0.0
40	QPSK	108	108		20.03	20.08	20.01	21.7	0.0
40	QPSK	216	0		20.05	19.99	19.96		
40	16QAM	1	1		19.91	19.94	19.86	21.7	0.0
40	64QAM	1	1		20.04	20.01	19.99	21.7	0.0
40	256QAM	1	1		19.18	19.12	19.15	20.2	1.5
				Channel	345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1725	1745	1765		
30	PI/2 BPSK	1	1		20.10	20.07	19.98	21.7	0.0
				Channel	344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1722.5	1745	1767.5		
25	PI/2 BPSK	1	1		20.11	20.08	19.97	21.7	0.0
				Channel	344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1720	1745	1770		
20	PI/2 BPSK	1	1		20.10	20.03	19.97	21.7	0.0
				Channel	343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1717.5	1745	1772.5		
15	PI/2 BPSK	1	1		20.08	20.09	19.95	21.7	0.0
				Channel	343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1715	1745	1775		
10	PI/2 BPSK	1	1		20.08	20.06	19.98	21.7	0.0
				Channel	342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1712.5	1745	1777.5		
5	PI/2 BPSK	1	1		20.08	20.05	19.96	21.7	0.0



n71_Ant 0_DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				67.2	680.5	693			
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.68			
20	PI/2 BPSK	50	28	24.08	24.20	24.13	24.7	0.5	
20	PI/2 BPSK	50	56	23.55	23.66	23.73			
20	PI/2 BPSK	100	0	23.53	23.70	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0	
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.98	23.15	23.16			
20	QPSK	50	28	24.04	24.18	24.12			
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18			
20	16QAM	1	1	22.69	22.82	22.72			
20	64QAM	1	1	21.23	21.42	21.28			
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	limit (dBm)		
Frequency (MHz)				670.5	680.5	690.5	MPR (dB)		
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	limit (dBm)		
Frequency (MHz)				668	680.5	693	MPR (dB)		
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	limit (dBm)		
Frequency (MHz)				665.5	680.5	695.5	MPR (dB)		
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				67.3	680.5	693			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.58	23.68	23.67			
20	PI/2 BPSK	50	28	24.13	24.16	24.15	24.7	0.5	
20	PI/2 BPSK	50	56	23.62	23.63	23.72			
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0	
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16			
20	QPSK	50	28	24.12	24.16	24.14			
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.08	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.75			
20	64QAM	1	1	21.33	21.41	21.35			
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	limit (dBm)		
Frequency (MHz)				670.5	680.5	690.5	MPR (dB)		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	limit (dBm)		
Frequency (MHz)				668	680.5	693	MPR (dB)		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	limit (dBm)		
Frequency (MHz)				665.5	680.5	695.5	MPR (dB)		
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	



n2_Ant 0_DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	Pi2 BPSK	1	1	17.80	17.88	17.79	19.7	0.0
20	Pi2 BPSK	1	53	18.26	18.53	18.47		
20	Pi2 BPSK	1	104	17.99	18.07	17.98		
20	Pi2 BPSK	50	0	17.76	17.76	17.89	19.7	0.0
20	Pi2 BPSK	50	28	18.36	18.42	18.38	19.7	0.0
20	Pi2 BPSK	50	56	18.02	18.01	18.09	19.7	0.0
20	Pi2 BPSK	100	0	17.78	18.00	17.89	19.7	0.0
20	QPSK	1	1	18.00	18.03	18.10		
20	QPSK	1	53	18.34	18.42	18.25		
20	QPSK	1	104	17.77	18.01	17.95	19.7	0.0
20	QPSK	50	0	18.14	18.03	17.71		
20	QPSK	50	28	18.07	18.26	18.15		
20	QPSK	50	56	17.97	18.10	17.94	19.7	0.0
20	QPSK	100	0	18.04	17.93	17.99	19.7	0.0
20	16QAM	1	1	17.87	17.95	17.98		
20	16QAM	1	1	17.88	17.83	17.79		
20	256QAM	1	1	17.76	17.98	17.96	19.7	0.0
Channel				371500	376000	380500		MPR
Frequency (MHz)				1857.5	1880	1902.5		
15	Pi2 BPSK	1	1	17.79	17.88	17.83	19.7	0.0
Channel				371000	376000	381000		MPR
Frequency (MHz)				1865	1880	1905		
10	Pi2 BPSK	1	1	17.94	17.82	17.81	19.7	0.0
Channel				370500	376000	381500		MPR
Frequency (MHz)				1852.5	1880	1907.5		
5	Pi2 BPSK	1	1	17.82	17.83	17.80	19.7	0.0

n2_Ant 1_DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./ Freq. [MHz]	Power Middle Ch./ Freq. [MHz]	Power High Ch./ Freq. [MHz]		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PV2 BPSK	1	1	17.86	17.92	17.93	19.7	0.0
20	PV2 BPSK	1	53	18.36	18.48	18.39		
20	PV2 BPSK	1	104	18.05	17.91	17.89		
20	PV2 BPSK	50	0	17.86	17.72	17.75	19.7	0.0
20	PV2 BPSK	50	28	18.40	18.46	18.33	19.7	0.0
20	PV2 BPSK	50	56	17.93	17.80	18.08		
20	PV2 BPSK	100	0	17.79	18.04	17.93		
20	QPSK	1	1	17.96	18.00	18.10	19.7	0.0
20	QPSK	1	53	18.27	18.35	18.33		
20	QPSK	1	104	17.52	17.86	18.04		
20	QPSK	50	0	18.09	18.02	17.78	19.7	0.0
20	QPSK	50	28	18.17	18.23	18.17	19.7	0.0
20	QPSK	50	56	17.82	17.99	17.96		
20	QPSK	100	0	18.01	17.96	17.96		
20	16QAM	1	1	17.88	18.00	18.05	19.7	0.0
20	16QAM	1	1	17.71	18.04	17.83	19.7	0.0
20	256QAM	1	1	17.83	17.83	17.80	19.7	0.0
Channel				371500	376000	380500	limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PV2 BPSK	1	1	17.83	17.89	17.91	19.7	0.0
Channel				371000	376000	381000	limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905		
10	PV2 BPSK	1	1	17.81	17.87	17.83	19.7	0.0
Channel				370500	376000	381500	limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PV2 BPSK	1	1	17.83	17.88	17.92	19.7	0.0

n25_Ant 0_DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				374000	376500	379000			
Channel				1870	1882.5	1895			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	17.97	18.01	17.94	19.7	0.0	
40	PV2 BPSK	1	108	18.39	18.56	18.55			
40	PV2 BPSK	1	214	18.12	18.08	18.03			
40	PV2 BPSK	108	0	17.94	17.94	17.92	19.7	0.0	
40	PV2 BPSK	108	54	18.44	18.55	18.40	19.7	0.0	
40	PV2 BPSK	108	108	18.06	18.03	18.17	19.7	0.0	
40	PV2 BPSK	216	0	17.94	18.05	17.95			
40	QPSK	1	1	18.06	18.06	18.12			
40	QPSK	1	108	18.37	18.46	18.36	19.7	0.0	
40	QPSK	1	214	17.91	18.02	18.15			
40	QPSK	108	0	18.19	18.08	17.81			
40	QPSK	108	54	18.23	18.34	18.28	19.7	0.0	
40	QPSK	108	108	18.01	18.19	18.00	19.7	0.0	
40	QPSK	216	0	18.06	18.06	18.06	19.7	0.0	
40	16QAM	1	1	18.03	17.99	18.08	19.7	0.0	
40	64QAM	1	1	17.77	17.99	17.95	19.7	0.0	
40	256QAM	1	1	17.95	17.99	18.03	19.7	0.0	
Channel				373000	376500	380000	limit		
Frequency (MHz)				1885	1882.5	1900	limit		
30	PV2 BPSK	1	1	17.98	17.97	17.91	19.7	0.0	
Channel				372500	376500	380500	limit		
Frequency (MHz)				1882.5	1882.5	1902.5	limit		
25	PV2 BPSK	1	1	17.98	17.97	17.93	19.7	0.0	
Channel				372000	376500	381000	limit		
Frequency (MHz)				1880	1882.5	1905	limit		
20	PV2 BPSK	1	1	17.96	17.98	17.90	19.7	0.0	
Channel				371500	376500	381500	limit		
Frequency (MHz)				1877.5	1882.5	1907.5	limit		
15	PV2 BPSK	1	1	17.96	18.00	17.92	19.7	0.0	
Channel				371000	376500	382000	limit		
Frequency (MHz)				1885	1882.5	1910	limit		
10	PV2 BPSK	1	1	17.95	17.99	17.92	19.7	0.0	
Channel				370500	376500	382500	limit		
Frequency (MHz)				1882.5	1882.5	1912.5	limit		
5	PV2 BPSK	1	1	17.94	17.96	17.90	19.7	0.0	

n25_Ant 1_DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				374000	376500	379000			
Channel				1870	1882.5	1895			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	17.95	18.01	17.98	19.7	0.0	
40	PI2 BPSK	1	108	18.45	18.59	18.50			
40	PI2 BPSK	1	214	18.14	18.07	18.02			
40	PI2 BPSK	108	0	17.99	17.93	17.92	19.7	0.0	
40	PI2 BPSK	108	54	18.49	18.55	18.38	19.7	0.0	
40	PI2 BPSK	108	108	18.00	17.92	18.17	19.7	0.0	
40	PI2 BPSK	216	0	18.23	18.31	18.11			
40	QPSK	1	1	18.06	18.04	18.16			
40	QPSK	1	108	18.29	18.50	18.37	19.7	0.0	
40	QPSK	1	214	17.92	18.04	18.20			
40	QPSK	108	0	18.11	18.08	17.76			
40	QPSK	108	54	18.21	18.31	18.32	19.7	0.0	
40	QPSK	108	108	18.02	18.18	18.07	19.7	0.0	
40	QPSK	216	0	18.11	18.03	18.12	19.7	0.0	
40	16QAM	1	1	17.98	18.01	18.02	19.7	0.0	
40	64QAM	1	1	17.75	18.06	17.95	19.7	0.0	
40	256QAM	1	1	17.86	18.01	18.08	19.7	0.0	
Channel				375000	376500	380000	limit		
Frequency (MHz)				1885	1882.5	1900	limit		
30	PI2 BPSK	1	1	17.91	17.97	17.93	19.7	0.0	
Channel				372500	376500	380500	limit		
Frequency (MHz)				1882.5	1882.5	1902.5	limit		
25	PI2 BPSK	1	1	17.93	18.00	17.97	19.7	0.0	
Channel				372000	376500	381000	limit		
Frequency (MHz)				1880	1882.5	1905	limit		
20	PI2 BPSK	1	1	17.94	18.00	17.96	19.7	0.0	
Channel				371500	376500	381500	limit		
Frequency (MHz)				1877.5	1882.5	1907.5	limit		
15	PI2 BPSK	1	1	17.91	17.97	17.95	19.7	0.0	
Channel				371000	376500	382000	limit		
Frequency (MHz)				1885	1882.5	1910	limit		
10	PI2 BPSK	1	1	17.90	17.98	17.96	19.7	0.0	
Channel				370500	376500	382500	limit		
Frequency (MHz)				1882.5	1882.5	1912.5	limit		
5	PI2 BPSK	1	1	17.90	17.97	17.95	19.7	0.0	

n66_Ant 0_DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	353000			
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	16.94	16.98	16.98	18.7	0.0	
40	PV2 BPSK	1	108	17.50	17.69	17.81			
40	PV2 BPSK	1	214	17.04	17.13	16.93			
40	PV2 BPSK	108	0	16.76	17.00	16.98	18.7	0.0	
40	PV2 BPSK	108	54	17.46	17.60	17.52	18.7	0.0	
40	PV2 BPSK	108	108	17.16	17.13	16.98	18.7	0.0	
40	PV2 BPSK	216	0	16.87	16.98	16.97			
40	QPSK	1	1	17.42	17.57	17.86			
40	QPSK	1	108	16.90	17.08	16.99	18.7	0.0	
40	QPSK	1	214	16.85	16.93	16.93			
40	QPSK	108	0	17.45	17.60	17.56			
40	QPSK	108	54	16.92	17.08	16.95	18.7	0.0	
40	QPSK	108	108	16.81	16.99	16.87	18.7	0.0	
40	QPSK	216	0	17.45	17.63	17.54			
40	16QAM	1	1	16.81	17.07	16.92			
40	64QAM	1	1	16.76	16.95	16.78	18.7	0.0	
40	256QAM	1	1	16.68	16.89	16.91	18.7	0.0	
Channel				345000	349000	353000	1730	1745	1760
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	limit (dBm)	limit (dBm)
30	PV2 BPSK	1	1	16.93	16.94	16.97	18.7	0.0	
Channel				344500	349000	353500	1722.5	1745	1767.5
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	limit (dBm)	limit (dBm)
25	PV2 BPSK	1	1	16.92	16.93	16.93	18.7	0.0	
Channel				344000	349000	354000	1717.5	1745	1772.5
Frequency (MHz)				1720	1745	1770	limit (dBm)	limit (dBm)	limit (dBm)
20	PV2 BPSK	1	1	16.90	16.91	16.95	18.7	0.0	
Channel				343500	349000	354500	1712.5	1745	1777.5
Frequency (MHz)				1717.5	1745	1772.5	limit (dBm)	limit (dBm)	limit (dBm)
15	PV2 BPSK	1	1	16.91	16.91	16.97	18.7	0.0	
Channel				343000	349000	355000	1712.5	1745	1777.5
Frequency (MHz)				1715	1745	1775	limit (dBm)	limit (dBm)	limit (dBm)
10	PV2 BPSK	1	1	16.91	16.91	16.96	18.7	0.0	
Channel				342500	349000	355500	1712.5	1745	1777.5
Frequency (MHz)				1712.5	1745	1777.5	limit (dBm)	limit (dBm)	limit (dBm)
5	PV2 BPSK	1	1	16.92	16.95	16.95	18.7	0.0	

n66_Ant 1_DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	353000			
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	16.14	16.09	17.98	19.7	0.0	
40	PI/2 BPSK	1	108	16.71	16.73	16.87			
40	PI/2 BPSK	1	214	16.13	16.06	16.12			
40	PI/2 BPSK	108	0	16.02	16.07	16.06	19.7	0.0	
40	PI/2 BPSK	108	54	16.58	16.66	16.61	19.7	0.0	
40	PI/2 BPSK	108	108	17.82	17.95	17.90	19.7	0.0	
40	PI/2 BPSK	216	0	17.91	18.03	17.99			
40	QPSK	1	1	17.98	18.03	17.99			
40	QPSK	1	108	16.61	16.67	16.57	19.7	0.0	
40	QPSK	1	214	17.97	18.02	18.03			
40	QPSK	108	0	17.95	17.95	17.88			
40	QPSK	108	54	16.55	16.57	16.59	19.7	0.0	
40	QPSK	108	108	16.03	16.04	16.00	19.7	0.0	
40	QPSK	216	0	17.96	18.00	18.00			
40	16QAM	1	1	17.93	17.95	17.96			
40	64QAM	1	1	16.05	16.03	17.95	19.7	0.0	
40	256QAM	1	1	17.91	17.97	17.89	19.7	0.0	
Channel				345000	349000	353000	1722.5	1745	1767.5
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	limit (dBm)	limit (dBm)
30	PI/2 BPSK	1	1	16.12	16.06	17.97	19.7	0.0	
Channel				344500	349000	353500	1722.5	1745	1767.5
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	limit (dBm)	limit (dBm)
25	PI/2 BPSK	1	1	16.13	16.04	17.94	19.7	0.0	
Channel				344000	349000	354000	1717.5	1745	1772.5
Frequency (MHz)				1720	1745	1770	limit (dBm)	limit (dBm)	limit (dBm)
20	PI/2 BPSK	1	1	16.11	16.08	17.93	19.7	0.0	
Channel				343500	349000	354500	1712.5	1745	1777.5
Frequency (MHz)				1717.5	1745	1772.5	limit (dBm)	limit (dBm)	limit (dBm)
15	PI/2 BPSK	1	1	16.12	16.05	17.93	19.7	0.0	
Channel				343000	349000	355000	1712.5	1745	1777.5
Frequency (MHz)				1715	1745	1775	limit (dBm)	limit (dBm)	limit (dBm)
10	PI/2 BPSK	1	1	16.11	16.02	17.93	19.7	0.0	
Channel				342500	349000	355500	1712.5	1745	1777.5
Frequency (MHz)				1712.5	1745	1777.5	limit (dBm)	limit (dBm)	limit (dBm)
5	PI/2 BPSK	1	1	16.12	16.05	17.93	19.7	0.0	

n71_Ant 0_DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	P1/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	P1/2 BPSK	1	53	24.10	24.21	24.15			
20	P1/2 BPSK	1	104	23.98	24.15	24.02			
20	P1/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	P1/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	P1/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	P1/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0	
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0	
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0	
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.89	22.82	22.72			
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	limit		
Frequency (MHz)				670.5	680.5	690.5	limit		
15	P1/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	limit		
Frequency (MHz)				668	680.5	693	limit		
10	P1/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	limit		
Frequency (MHz)				665.5	680.5	695.5	limit		
5	P1/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.56	23.68	23.67	24.7	0.5	
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0	
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0	
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0	
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.08	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.74	22.86	22.75			
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	limit		
Frequency (MHz)				670.5	680.5	690.5	limit		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	limit		
Frequency (MHz)				668	680.5	693	limit		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	limit		
Frequency (MHz)				665.5	680.5	695.5	limit		
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	

n2_Ant 0_DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42			
20	Pl2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	Pl2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	Pl2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.39	23.7	1.0	
20	QPSK	50	0	23.09	23.06	23.01			
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0	
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0	
20	64QAM	1	1	21.28	21.31	21.18	22.2	2.5	
20	256QAM	1	1	19.84	19.86	19.76	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.45	23.54	23.39	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.48	23.52	23.39	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.45	23.52	23.38	24.7	0.0	

n2_Ant 1_DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.27	23.28	23.18	24.7	0.0	
20	Pl2 BPSK	1	53	23.33	23.49	23.32			
20	Pl2 BPSK	1	104	23.35	23.33	23.23			
20	Pl2 BPSK	50	0	23.42	23.36	23.34	24.2	0.5	
20	Pl2 BPSK	50	28	23.44	23.45	23.36	24.7	0.0	
20	Pl2 BPSK	50	56	23.34	23.40	23.35	24.2	0.5	
20	Pl2 BPSK	100	0	23.37	23.42	23.34			
20	QPSK	1	1	23.23	23.32	23.18			
20	QPSK	1	53	23.30	23.36	23.32	24.7	0.0	
20	QPSK	1	104	23.28	23.31	23.17	23.7	1.0	
20	QPSK	50	0	22.89	22.84	22.84			
20	QPSK	50	28	23.33	23.46	23.38			
20	QPSK	50	56	22.86	22.89	22.85	23.7	1.0	
20	QPSK	100	0	22.84	22.93	22.86	23.7	1.0	
20	16QAM	1	1	22.46	22.58	22.40	23.7	1.0	
20	64QAM	1	1	20.98	21.07	20.97	22.2	2.5	
20	256QAM	1	1	19.56	19.65	19.49	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.20	23.22	23.17	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.22	23.23	23.16	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.24	23.23	23.13	24.7	0.0	

n2_Ant 4_DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	20.05	20.02	20.00	21.2	0.0	
20	Pl2 BPSK	1	53	20.57	20.62	20.57			
20	Pl2 BPSK	1	104	19.92	20.04	19.87			
20	Pl2 BPSK	50	0	19.71	19.87	19.79	21.2	0.0	
20	Pl2 BPSK	50	28	20.48	20.54	20.38	21.2	0.0	
20	Pl2 BPSK	50	56	19.70	19.86	19.83	21.2	0.0	
20	Pl2 BPSK	100	0	19.78	19.95	19.89			
20	QPSK	1	1	19.94	19.94	19.99			
20	QPSK	1	53	20.44	20.60	20.56	21.2	0.0	
20	QPSK	1	104	19.89	20.00	19.81	21.2	0.0	
20	QPSK	50	0	19.74	19.75	19.75			
20	QPSK	50	28	20.31	20.48	20.36			
20	QPSK	50	56	19.80	19.75	19.87	21.2	0.0	
20	QPSK	100	0	19.71	19.79	19.94	21.2	0.0	
20	16QAM	1	1	19.99	19.94	19.80	21.2	0.0	
20	64QAM	1	1	18.91	18.98	18.81	20.2	1.0	
20	256QAM	1	1	17.10	17.21	17.15	18.2	3.0	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	19.99	20.06	19.86	21.2	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	20.04	19.98	19.99	21.2	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	20.08	20.00	19.93	21.2	0.0	

n71_Ant 0_DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	P1/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	P1/2 BPSK	1	53	24.10	24.21	24.15			
20	P1/2 BPSK	1	104	23.98	24.15	24.02			
20	P1/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	P1/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	P1/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	P1/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0	
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0	
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0	
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.89	22.82	22.72			
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	limit		
Frequency (MHz)				670.5	680.5	690.5	limit		
15	P1/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	limit		
Frequency (MHz)				668	680.5	693	limit		
10	P1/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	limit		
Frequency (MHz)				665.5	680.5	695.5	limit		
5	P1/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.56	23.66	23.67	24.7	0.5	
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0	
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0	
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0	
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.06	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.74	22.86	22.76			
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	limit		
Frequency (MHz)				670.5	680.5	690.5	limit		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	limit		
Frequency (MHz)				668	680.5	693	limit		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	limit		
Frequency (MHz)				665.5	680.5	695.5	limit		
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	

n2_Ant 0_DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1880	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.16	22.41	22.27	24.2	0.0	
20	Pl2 BPSK	1	53	22.79	22.93	22.87			
20	Pl2 BPSK	1	104	22.37	22.27	22.32			
20	Pl2 BPSK	50	0	22.19	22.32	22.35	24.2	0.0	
20	Pl2 BPSK	50	28	22.86	22.91	22.83	24.2	0.0	
20	Pl2 BPSK	50	56	22.28	22.22	22.23	24.2	0.0	
20	Pl2 BPSK	100	0	22.26	22.35	22.30			
20	QPSK	1	1	22.28	22.30	22.07			
20	QPSK	1	53	22.65	22.83	22.71	24.2	0.0	
20	QPSK	1	104	22.21	22.30	22.18	23.7	0.5	
20	QPSK	50	0	21.70	21.87	21.83			
20	QPSK	50	28	22.88	22.91	22.72			
20	QPSK	50	56	22.59	22.64	22.51	23.7	0.5	
20	QPSK	100	0	22.67	22.66	22.49			
20	16QAM	1	1	22.72	22.83	22.61	23.7	0.5	
20	64QAM	1	1	21.24	21.33	21.23	22.2	2.0	
20	256QAM	1	1	19.82	19.84	19.75	20.2	4.0	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	22.19	22.43	22.27	24.2	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	22.33	22.42	22.31	24.2	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	22.19	22.48	22.22	24.2	0.0	

n2_Ant 1_DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
				372000 1860	376000 1880	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	21.52	21.44	21.51	23.2	0.0	
20	Pl2 BPSK	1	53	22.10	22.12	22.10			
20	Pl2 BPSK	1	104	21.47	21.43	21.47			
20	Pl2 BPSK	50	0	21.38	21.35	21.33	23.2	0.0	
20	Pl2 BPSK	50	28	21.96	22.05	21.89	23.2	0.0	
20	Pl2 BPSK	50	56	21.31	21.43	21.19			
20	Pl2 BPSK	100	0	21.28	21.42	21.41			
20	QPSK	1	1	21.31	21.41	21.37	23.2	0.0	
20	QPSK	1	53	21.85	21.90	21.91			
20	QPSK	1	104	21.40	21.52	21.42			
20	QPSK	50	0	21.38	21.45	21.46	23.2	0.0	
20	QPSK	50	28	21.96	21.96	22.00	23.2	0.0	
20	QPSK	50	56	21.46	21.53	21.54	23.2	0.0	
20	QPSK	100	0	21.41	21.55	21.50	23.2	0.0	
20	16QAM	1	1	21.23	21.39	21.35	23.2	0.0	
20	64QAM	1	1	21.03	21.11	20.99	22.2	1.0	
20	256QAM	1	1	19.52	19.63	19.45	20.2	3.0	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	21.50	21.48	21.55	23.2	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	21.45	21.52	21.45	23.2	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	21.43	21.53	21.50	23.2	0.0	

n2_Ant 4_DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1880	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	17.87	17.99	18.09	19.2	0.0	
20	Pl2 BPSK	1	53	18.61	18.65	18.57			
20	Pl2 BPSK	1	104	18.03	18.00	18.04			
20	Pl2 BPSK	50	0	18.45	18.54	18.51	19.2	0.0	
20	Pl2 BPSK	50	28	18.45	18.50	18.50	19.2	0.0	
20	Pl2 BPSK	50	56	18.42	18.52	18.32	19.2	0.0	
20	Pl2 BPSK	100	0	18.37	18.55	18.36			
20	QPSK	1	1	18.02	18.07	18.04			
20	QPSK	1	53	18.56	18.56	18.40	19.2	0.0	
20	QPSK	1	104	17.88	18.07	17.87			
S	QPSK	50	0	18.45	18.44	18.43	19.2	0.0	
20	QPSK	50	28	18.44	18.52	18.42	19.2	0.0	
20	QPSK	50	56	18.23	18.35	18.45	19.2	0.0	
20	QPSK	100	0	18.41	18.35	18.32			
20	16QAM	1	1	17.81	17.74	17.82	19.2	0.0	
20	64QAM	1	1	17.81	17.76	17.78	19.2	0.0	
20	256QAM	1	1	17.39	17.43	17.34	18.2	1.0	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	17.87	18.05	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	18.00	18.08	17.91	19.2	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	17.84	18.07	17.90	19.2	0.0	

n71_Ant 0_DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	Pi2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	Pi2 BPSK	1	53	24.10	24.21	24.15			
20	Pi2 BPSK	1	104	23.98	24.15	24.02			
20	Pi2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	Pi2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	Pi2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	Pi2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0	
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0	
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0	
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.89	22.82	22.72			
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	limit		
Frequency (MHz)				670.5	680.5	690.5	limit		
15	Pi2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	limit		
Frequency (MHz)				668	680.5	693	limit		
10	Pi2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	limit		
Frequency (MHz)				665.5	680.5	695.5	limit		
5	Pi2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.56	23.68	23.67	24.7	0.5	
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0	
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0	
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0	
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.08	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.74	22.86	22.76			
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	limit		
Frequency (MHz)				670.5	680.5	690.5	limit		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	limit		
Frequency (MHz)				668	680.5	693	limit		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	limit		
Frequency (MHz)				665.5	680.5	695.5	limit		
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	



n41_Ant 0(HPUE)_DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				509202	518598	528900			
Frequency (MHz)				2543.01	2592.99	2643			
100	PI/2 BPSK	1	1	21.30	21.30	21.16			
100	PI/2 BPSK	1	137	21.86	21.89	21.80	22.9	0.0	
100	PI/2 BPSK	1	271	21.08	21.19	21.05			
100	PI/2 BPSK	135	0	21.31	21.26	21.38	22.9	0.0	
100	PI/2 BPSK	135	89	21.86	21.88	21.78	22.9	0.0	
100	PI/2 BPSK	135	138	21.24	21.32	21.27	22.9	0.0	
100	PI/2 BPSK	270	0	21.83	21.78	21.58			
100	QPSK	1	1	21.14	21.28	21.07			
100	QPSK	1	137	21.79	21.78	21.80	22.9	0.0	
100	QPSK	1	271	21.08	21.23	21.06			
100	QPSK	135	0	20.98	20.97	20.96			
100	QPSK	135	89	21.77	21.85	21.80	22.9	0.0	
100	QPSK	135	138	20.88	20.99	20.93			
100	QPSK	270	0	20.85	20.86	20.73	22.9	0.0	
100	16QAM	1	1	20.78	20.82	20.78	22.9	0.0	
100	64QAM	1	1	20.90	20.89	20.87	22.9	0.0	
100	256QAM	1	1	20.79	20.81	20.74	21.9	1.0	
Channel				508200	518598	528996	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	21.27	21.25	21.14	22.9	0.0	
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	21.27	21.26	21.12	22.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	21.26	21.29	21.15	22.9	0.0	
Channel				505200	518598	531996	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	21.25	21.28	21.13	22.9	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	PI/2 BPSK	1	1	21.25	21.25	21.15	22.9	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	21.28	21.29	21.14	22.9	0.0	
Channel				502200	518598	534996	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	21.27	21.27	21.15	22.9	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	21.26	21.27	21.14	22.9	0.0	

n41_Ant 0(HPUE)_DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				508202	518598	528998			
Frequency (MHz)				2540.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.32	19.28	19.14			
100	PI/2 BPSK	1	137	19.85	19.88	19.84	20.9	0.0	
100	PI/2 BPSK	1	271	19.05	19.17	19.08			
100	PI/2 BPSK	135	0	19.25	19.29	19.35	20.9	0.0	
100	PI/2 BPSK	135	89	19.85	19.87	19.80	20.9	0.0	
100	PI/2 BPSK	135	138	19.26	19.35	19.29			
100	PI/2 BPSK	270	0	19.41	19.43	19.34	20.9	0.0	
100	QPSK	1	1	19.10	19.24	19.12			
100	QPSK	1	137	19.80	19.76	19.77	20.9	0.0	
100	QPSK	1	271	19.15	19.19	19.06			
100	QPSK	135	0	19.02	18.97	18.89			
100	QPSK	135	89	19.81	19.83	19.79	20.9	0.0	
100	QPSK	135	138	18.85	18.98	18.89			
100	QPSK	270	0	18.90	18.82	18.72	20.9	0.0	
100	16QAM	1	1	18.70	18.86	18.75	20.9	0.0	
100	64QAM	1	1	18.97	18.85	18.85	20.9	0.0	
100	256QAM	1	1	18.83	18.82	18.78	20.9	0.0	
Channel				508200	518598	528996	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	19.29	19.26	19.09	20.9	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	19.30	19.23	19.09	20.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	19.28	19.25	19.11	20.9	0.0	
Channel				505200	518598	531596	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	19.28	19.24	19.09	20.9	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	PI/2 BPSK	1	1	19.28	19.24	19.11	20.9	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	19.28	19.25	19.13	20.9	0.0	
Channel				502200	518598	534996	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	19.31	19.23	19.13	20.9	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	19.30	19.26	19.13	20.9	0.0	



n41_Ant 1(HPUE)_DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	528998			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.02	19.91	20.02			
100	PI/2 BPSK	1	137	21.03	21.09	20.97	21.9	0.0	
100	PI/2 BPSK	1	271	20.06	19.98	20.01			
100	PI/2 BPSK	135	0	20.44	20.42	20.10	21.9	0.0	
100	PI/2 BPSK	135	69	20.95	20.98	20.65	21.9	0.0	
100	PI/2 BPSK	135	138	20.54	20.57	20.17			
100	PI/2 BPSK	270	0	20.71	20.74	20.53	21.9	0.0	
100	QPSK	1	1	19.91	19.95	19.97			
100	QPSK	1	137	20.80	21.05	20.60	21.9	0.0	
100	QPSK	1	271	19.99	19.93	20.03			
100	QPSK	135	0	20.07	20.14	20.17			
100	QPSK	135	69	20.86	20.95	20.58	21.9	0.0	
100	QPSK	135	138	19.97	19.96	20.00			
100	QPSK	270	0	19.91	19.99	20.01	21.9	0.0	
100	16QAM	1	1	19.82	19.97	19.94	21.9	0.0	
100	64QAM	1	1	20.01	19.96	20.01	21.9	0.0	
100	256QAM	1	1	19.95	19.97	19.96	21.9	0.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	19.97	19.87	19.97	21.9	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	20.00	19.86	19.98	21.9	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	19.99	19.90	19.97	21.9	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	20.00	19.88	20.01	21.9	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	19.99	19.86	20.00	21.9	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	19.99	19.86	19.98	21.9	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	19.99	19.86	20.00	21.9	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	19.98	19.86	20.01	21.9	0.0	

n41_Ant 4(HPUE)_DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	528600			
Frequency (MHz)				2545.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.00	19.03	19.02			
100	PI/2 BPSK	1	137	19.78	19.84	19.80	20.7	0.0	
100	PI/2 BPSK	1	271	18.61	18.64	18.56			
100	PI/2 BPSK	135	0	19.52	19.58	19.50	20.7	0.0	
100	PI/2 BPSK	135	69	19.79	19.83	19.74	20.7	0.0	
100	PI/2 BPSK	135	138	19.27	19.31	19.24			
100	PI/2 BPSK	270	0	19.40	19.49	19.45	20.7	0.0	
100	QPSK	1	1	18.97	19.01	18.97			
100	QPSK	1	137	19.80	19.82	19.80	20.7	0.0	
100	QPSK	1	271	18.55	18.63	18.60			
100	QPSK	135	0	19.57	19.57	19.48			
100	QPSK	135	69	19.81	19.82	19.72	20.7	0.0	
100	QPSK	135	138	19.35	19.37	19.28			
100	QPSK	270	0	19.39	19.47	19.39	20.7	0.0	
100	16QAM	1	1	18.71	18.76	18.72	20.7	0.0	
100	64QAM	1	1	18.75	18.83	18.73	20.7	0.0	
100	256QAM	1	1	18.18	18.26	18.25	18.7	2.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.97	19.02	19.01	20.7	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.97	19.02	19.01	20.7	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	18.99	19.00	18.98	20.7	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	18.98	19.00	18.99	20.7	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.99	18.98	18.98	20.7	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	18.97	18.99	19.01	20.7	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	18.95	18.99	18.97	20.7	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	18.96	18.98	19.01	20.7	0.0	



n41_Ant 1(HPUE)_DS16									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.07	17.95	18.01			
100	PI/2 BPSK	1	137	19.04	19.11	19.01	19.9	0.0	
100	PI/2 BPSK	1	271	17.98	17.90	17.99			
100	PI/2 BPSK	135	0	18.45	18.48	18.03	19.9	0.0	
100	PI/2 BPSK	135	69	18.87	18.99	18.63	19.9	0.0	
100	PI/2 BPSK	135	138	18.48	18.51	18.14	19.9	0.0	
100	PI/2 BPSK	270	0	18.39	18.48	18.26			
100	QPSK	1	1	17.96	18.01	17.95			
100	QPSK	1	137	18.79	19.02	18.64	19.9	0.0	
100	QPSK	1	271	17.97	18.01	18.03			
100	QPSK	135	0	18.09	18.16	18.22			
100	QPSK	135	69	18.79	18.97	18.60	19.9	0.0	
100	QPSK	135	138	17.95	18.00	17.98			
100	QPSK	270	0	17.92	17.91	17.98	19.9	0.0	
100	16QAM	1	1	17.96	17.97	17.94	19.9	0.0	
100	64QAM	1	1	18.04	17.94	17.97	19.9	0.0	
100	256QAM	1	1	17.98	17.97	17.92	19.9	0.0	
Channel				509200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.06	17.94	17.96	19.9	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.06	17.90	17.96	19.9	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	18.04	17.93	17.97	19.9	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	18.06	17.91	18.00	19.9	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.03	17.92	17.97	19.9	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	18.03	17.91	17.98	19.9	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	18.03	17.94	17.98	19.9	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	18.06	17.94	18.00	19.9	0.0	

n41_Ant 4(HPUE)_DS16									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.75	16.92	16.80			
100	PI/2 BPSK	1	137	17.82	17.92	17.46	18.7	0.0	
100	PI/2 BPSK	1	271	16.77	16.70	16.78			
100	PI/2 BPSK	135	0	17.52	17.55	17.45	18.7	0.0	
100	PI/2 BPSK	135	69	17.77	17.78	17.36	18.7	0.0	
100	PI/2 BPSK	135	138	17.25	17.19	17.32	18.7	0.0	
100	PI/2 BPSK	270	0	17.35	17.54	17.37			
100	QPSK	1	1	16.85	16.80	16.85			
100	QPSK	1	137	17.79	17.77	17.42	18.7	0.0	
100	QPSK	1	271	16.67	16.68	16.80			
100	QPSK	135	0	16.93	16.98	16.85			
100	QPSK	135	69	17.61	17.65	17.55	18.7	0.0	
100	QPSK	135	138	16.82	16.80	16.73			
100	QPSK	270	0	16.77	16.67	16.84	18.7	0.0	
100	16QAM	1	1	16.76	16.73	16.89	18.7	0.0	
100	64QAM	1	1	16.66	16.65	16.78	18.7	0.0	
100	256QAM	1	1	16.79	16.70	16.72	18.7	0.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	16.72	16.69	16.76	18.7	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	16.71	16.87	16.77	18.7	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	16.70	16.90	16.78	18.7	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	16.71	16.87	16.75	18.7	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	16.72	16.90	16.77	18.7	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	16.73	16.90	16.75	18.7	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	16.70	16.60	16.77	18.7	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	16.72	16.61	16.78	18.7	0.0	

Full Power Mode for UL CA

CA_41C Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.29	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.15	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.55	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.20	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.24	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.43	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.42	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.75	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.55	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.55	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.81	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.90	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.29	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.08	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.14	23.80

Conducted power for DSI 5

CA_41C Ant 0_DSI5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1_DSI5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	50	0	0	0	1	0	17.17	18.80
40185	40383	QPSK	50	0	0	0	1	0	17.36	18.80
40620	40422	QPSK	50	0	0	0	1	0	17.52	18.80
41055	40857	QPSK	50	0	0	0	1	0	17.21	18.80
41490	41292	QPSK	50	0	0	0	1	0	17.24	18.80
39750	39948	16QAM	50	0	0	0	1	0	17.19	18.80
40185	40383	16QAM	50	0	0	0	1	0	17.23	18.80
40620	40422	16QAM	50	0	0	0	1	0	17.50	18.80
41055	40857	16QAM	50	0	0	0	1	0	17.23	18.80
41490	41292	16QAM	50	0	0	0	1	0	17.22	18.80
39750	39948	64QAM	50	0	0	0	1	0	16.79	18.80
40185	40383	64QAM	50	0	0	0	1	0	16.77	18.80
40620	40422	64QAM	50	0	0	0	1	0	17.19	18.80
41055	40857	64QAM	50	0	0	0	1	0	16.86	18.80
41490	41292	64QAM	50	0	0	0	1	0	16.89	18.80

Conducted power for DSI 10

CA 41C Ant 0 DSI10										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1_DSI10										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	50	0	0	0	1	0	16.21	17.80
40185	40383	QPSK	50	0	0	0	1	0	16.31	17.80
40620	40422	QPSK	50	0	0	0	1	0	16.55	17.80
41055	40857	QPSK	50	0	0	0	1	0	16.24	17.80
41490	41292	QPSK	50	0	0	0	1	0	16.21	17.80
39750	39948	16QAM	50	0	0	0	1	0	16.23	17.80
40185	40383	16QAM	50	0	0	0	1	0	16.05	17.80
40620	40422	16QAM	50	0	0	0	1	0	16.48	17.80
41055	40857	16QAM	50	0	0	0	1	0	16.29	17.80
41490	41292	16QAM	50	0	0	0	1	0	16.22	17.80
39750	39948	64QAM	50	0	0	0	1	0	15.76	17.80
40185	40383	64QAM	50	0	0	0	1	0	15.84	17.80
40620	40422	64QAM	50	0	0	0	1	0	16.13	17.80
41055	40857	64QAM	50	0	0	0	1	0	15.86	17.80
41490	41292	64QAM	50	0	0	0	1	0	15.86	17.80

Conducted power for DSI 4&9

CA_41C Ant 0_DSI4&9										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1_DSI4&9										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.29	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.15	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.55	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.20	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.24	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.43	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.42	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.75	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.55	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.55	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.81	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.90	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.29	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.08	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.14	23.80

Conducted power for DSI 18

CA_41C Ant 0_DSI18										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1_DSI18										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.29	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.15	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.55	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.20	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.24	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.43	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.42	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.75	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.55	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.55	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.81	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.90	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.29	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.08	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.14	23.80

DL CA

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)	
	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	49	Band 4	20M	2132.5	2175	23.54	23.52	
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	49	Band 5	10M	881.5	2525	23.54	23.50	
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	49	Band 12	10M	737.5	5095	23.54	23.50	
	CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	49	Band 13	10M	751	5230	23.54	23.52	
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	49	Band 66	20M	2155	66886	23.54	23.49	
	CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	49	Band 71	20M	634.5	68761	23.54	23.50	
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 5	10M	881.5	2525	23.54	23.49	
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 12	10M	737.5	5095	23.54	23.43	
	CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 13	10M	751	5230	23.54	23.52	
	CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 71	20M	634.5	68761	23.54	23.51	
	CA_5A-66A	Band 5	10M	836.5	20525	QPSK	1	25	Band 66	20M	2155	66886	23.84	23.81	
	CA_7A-12A	Band 7	20M	2535	21100	QPSK	1	49	Band 12	10M	737.5	5095	23.47	23.43	
	CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	25	Band 66	20M	2155	66886	23.91	23.90	
	CA_13A-66A	Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	23.59	23.50	
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	49	Band 26	15M	876.5	8865	23.56	23.47	
	CA_25A-41A	Band 25	20M	1880	26340	QPSK	1	49	Band 41	20M	2593	40620	23.56	23.52	
	Intra-Band	CA_66A-71A	Band 66	20M	1745	132322	QPSK	1	49	Band 71	20M	634.5	68761	23.58	23.50
Non-Contiguous		CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	49	Band 2	5M	1987.5	1175	23.54	23.44
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 4	5M	2152.5	2375	23.54	23.49
		CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	49	Band 7	5M	2687.5	3425	23.47	23.35
		CA_25A-25A	Band 25	20M	1880	26340	QPSK	1	49	Band 25	5M	1992.5	8665	23.56	23.51
		CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	49	Band 41	5M	2687.5	41565	22.59	22.40
Contiguous		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	49	Band 66	5M	2197.5	67311	23.58	23.50
		CA_2C	Band 2	20M	1880	18900	QPSK	1	49	Band 2	20M	1979.8	1098	23.54	23.52
		CA_7C	Band 7	20M	2535	21100	QPSK	1	49	Band 7	20M	2674.80	3298	23.47	23.41
		CA_38C	Band 38	20M	2595	38000	QPSK	1	49	Band 38	20M	2599.80	38048	23.50	23.46
		CA_41C	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.80	40818	22.59	22.37
		CA_66B	Band 66	20M	1745	132322	QPSK	1	49	Band 66	5M	2164.30	66979	23.58	23.50
	CA_66C	Band 66	20M	1745	132322	QPSK	1	49	Band 66	20M	2174.80	67084	23.58	23.55	

Conducted Full Power Mode for 5G NR SA

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	386000	390000			
		Channel							
		Frequency (MHz)							
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.54	23.42	24.2	0.5	
20	Pl2 BPSK	50	0	23.61	23.61	23.52			
20	Pl2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49			
20	Pl2 BPSK	100	0	23.60	23.63	23.52	24.2	0.5	
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.36			
20	QPSK	50	0	23.09	23.06	23.01	23.7	1.0	
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0	
20	64QAM	1	1	21.28	21.31	21.16			
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
		Channel		371500	376000	380500			
		Frequency (MHz)		1657.5	1690	1692.5	tune-up limit (dbm)	MPR (db)	
15	Pl2 BPSK	1	1	23.51	23.55	23.53	24.7	0.0	
		Channel		371000	376000	381000	tune-up limit (dbm)	MPR (db)	
		Frequency (MHz)		1655	1690	1695	tune-up limit (dbm)	MPR (db)	
10	Pl2 BPSK	1	1	23.33	23.41	23.34	24.7	0.0	
		Channel		370500	376000	381500	tune-up limit (dbm)	MPR (db)	
		Frequency (MHz)		1652.5	1690	1697.5	tune-up limit (dbm)	MPR (db)	
5	Pl2 BPSK	1	1	23.59	23.62	23.58	24.7	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				1600	1680	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.47	23.47	23.35	24.7	0.0	
20	Pl2 BPSK	1	53	23.56	23.62	23.47			
20	Pl2 BPSK	1	104	23.50	23.52	23.33	24.2	0.5	
20	Pl2 BPSK	50	0	23.55	23.56	23.46			
20	Pl2 BPSK	50	28	23.57	23.61	23.51	24.7	0.0	
20	Pl2 BPSK	50	56	23.56	23.59	23.46			
20	Pl2 BPSK	100	0	23.58	23.60	23.46	24.2	0.5	
20	QPSK	1	1	23.44	23.46	23.32			
20	QPSK	1	53	23.52	23.56	23.45	24.7	0.0	
20	QPSK	1	104	23.43	23.46	23.26			
20	QPSK	50	0	23.04	23.05	22.96	23.7	1.0	
20	QPSK	50	28	23.59	23.57	23.45			
20	QPSK	50	56	23.05	23.12	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.11	23.00			
20	16QAM	1	1	22.64	22.72	22.59	23.7	1.0	
20	64QAM	1	1	21.23	21.23	21.12			
20	256QAM	1	1	19.81	19.85	19.66	20.2	4.5	
Channel				371500	376000	380500			
Frequency (MHz)				1657.5	1690	1692.5			
15	Pl2 BPSK	1	1	23.46	23.52	23.47	24.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1655	1690	1695			
10	Pl2 BPSK	1	1	23.29	23.34	23.29	24.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1652.5	1690	1697.5			
5	Pl2 BPSK	1	1	23.48	23.56	23.50	24.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1680	1680	1680			
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22	22.2	0.5	
20	Pl2 BPSK	50	0	21.46	21.46	21.38			
20	Pl2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38			
20	Pl2 BPSK	100	0	21.46	21.51	21.45	22.2	0.5	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.36	22.7	0.0	
20	QPSK	1	104	21.42	21.38	21.25			
5	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	28	21.51	21.52	21.41			
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0	
20	64QAM	1	1	19.69	19.71	19.58			
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500			
Frequency (MHz)				1657.5	1690	1692.5	limit (dbm)	MPR (db)	
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1655	1690	1695	limit (dbm)	MPR (db)	
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1652.5	1690	1697.5	limit (dbm)	MPR (db)	
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				345000	345000	352000		
Channel				1745	1745	1765		
Frequency (MHz)								
40	Pl2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0
40	Pl2 BPSK	1	108	23.95	23.98	23.91		
40	Pl2 BPSK	1	214	23.35	23.38	23.34		
40	Pl2 BPSK	108	0	23.38	23.32	23.35	24.2	0.5
40	Pl2 BPSK	108	54	23.94	23.95	23.92	24.7	0.0
40	Pl2 BPSK	108	108	23.54	23.22	23.54	24.2	0.5
40	Pl2 BPSK	216	0	23.48	23.50	23.42		
40	QPSK	1	1	23.51	23.38	23.38		
40	QPSK	1	108	23.94	23.92	23.89	24.7	0.0
40	QPSK	1	214	23.38	23.35	23.31		
40	QPSK	108	0	22.85	22.81	22.84		
40	QPSK	108	54	23.92	23.94	23.91	24.7	0.0
40	QPSK	108	108	23.02	22.88	23.00	23.7	1.0
40	QPSK	216	0	22.98	22.75	22.91	23.7	1.0
40	16QAM	1	1	22.23	22.13	22.14	23.7	1.0
40	64QAM	1	1	20.78	20.70	20.69	22.2	2.5
40	256QAM	1	1	19.42	19.28	19.31	20.2	4.5
Channel				345000	345000	352000	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1725	1745	1765		
30	Pl2 BPSK	1	1	23.65	23.68	23.60	24.7	0.0
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1722.5	1745	1767.5		
25	Pl2 BPSK	1	1	23.67	23.62	23.60	24.7	0.0
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1720	1745	1770		
20	Pl2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0
Channel				343500	349000	354500	1717.5 limit (dbm)	MPR (db)
Frequency (MHz)				1717.5	1745	1772.5		
15	Pl2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1715	1745	1775		
10	Pl2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1712.5	1745	1777.5		
5	Pl2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0

n66_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				345000	349000	352000		
Channel				1745	1765	1785		
Frequency (MHz)								
40	PV2 BPSK	1	1	23.28	23.30	23.24	24.7	0.0
40	PV2 BPSK	1	108	23.79	23.82	23.78		
40	PV2 BPSK	1	214	23.20	23.24	23.23		
40	PV2 BPSK	108	0	23.28	23.01	23.33	24.2	0.5
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5
40	PV2 BPSK	216	0	23.38	23.40	23.37		
40	QPSK	1	1	23.31	23.18	23.21		
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0
40	QPSK	1	214	23.21	23.21	23.20		
40	QPSK	108	0	22.80	22.49	22.81		
40	QPSK	108	54	23.75	23.77	23.76	24.7	0.0
40	QPSK	108	108	22.92	22.47	22.93	23.7	1.0
40	QPSK	216	0	22.86	22.51	22.83	23.7	1.0
40	16QAM	1	1	22.00	21.98	21.95	23.7	1.0
40	64QAM	1	1	20.59	20.52	20.52	22.2	2.5
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5
Channel				345000	349000	353000	1745.0 limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	23.42	23.47	23.45	24.7	0.0
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	23.67	23.72	23.73	24.7	0.0
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	23.73	23.78	23.73	24.7	0.0
Channel				343500	349000	354500	1717.5 limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.72	23.80	23.76	24.7	0.0
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	23.71	23.75	23.68	24.7	0.0
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	23.75	23.81	23.73	24.7	0.0

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				69.5	660.5	668		
Frequency (MHz)				69.5	660.5	668		
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	PI/2 BPSK	1	53	24.10	24.21	24.15		
20	PI/2 BPSK	1	104	23.98	24.15	24.02		
20	PI/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	PI/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	PI/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	PI/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.16	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.26	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	660.5	660.5	138100	660.5
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	660.5	138600	660.5
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	139100	665.5
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up Power (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				660.5	673			
Frequency (MHz)								
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0
20	PI/2 BPSK	1	53	24.14	24.19	24.16		
20	PI/2 BPSK	1	104	23.99	24.08	24.02		
20	PI/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	PI/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.06	23.25	23.18		
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	683.5	690.5		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.38	18.42	18.28			
100	PI/2 BPSK	1	137	19.15	19.18	18.96	20.2		0.0
100	PI/2 BPSK	1	231	18.23	18.29	18.22			
100	PI/2 BPSK	135	0	18.92	19.03	18.87	20.2		0.0
100	PI/2 BPSK	135	69	19.12	19.15	18.98	20.2		0.0
100	PI/2 BPSK	135	138	18.89	19.01	18.78			
100	PI/2 BPSK	270	0	18.91	18.96	18.86	20.2		0.0
100	QPSK	1	1	18.37	18.42	18.25			
100	QPSK	1	137	18.96	19.11	18.77	20.2		0.0
100	QPSK	1	271	18.23	18.32	18.21			
100	QPSK	135	0	19.05	18.85	18.85			
100	QPSK	135	69	19.11	19.06	18.23	20.2		0.0
100	QPSK	135	138	19.03	18.67	18.89			
100	QPSK	270	0	19.01	18.75	18.90			0.5
100	16QAM	1	1	18.23	18.02	18.01	19.2		1.0
100	64QAM	1	1	18.16	18.12	18.08	19.2		1.0
100	256QAM	1	1	18.15	18.05	18.00	18.7		1.5
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.46	18.55	18.23	20.2		0.0
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.50	18.36	18.31	20.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	18.52	18.51	18.31	20.2		0.0
Channel				505000	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	18.52	18.66	18.42	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.52	18.48	18.50	20.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	18.58	18.50	18.51	20.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	18.61	18.49	18.40	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	18.59	18.47	18.52	20.2		0.0

n41_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up power (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.33	21.38	21.31			
100	PI/2 BPSK	1	137	22.03	22.30	21.41	23.2	0.0	
100	PI/2 BPSK	1	231	21.98	22.31	21.23			
100	PI/2 BPSK	135	0	21.98	22.09	21.96	22.7	0.5	
100	PI/2 BPSK	135	69	22.01	22.16	21.51	23.2	0.0	
100	PI/2 BPSK	135	138	21.96	21.89	21.50			
100	PI/2 BPSK	270	0	22.03	22.09	22.01	22.7	0.5	
100	QPSK	1	1	21.48	21.51	21.41			
100	QPSK	1	137	21.94	22.16	21.26	23.2	0.0	
100	QPSK	1	271	21.42	22.20	21.21			
100	QPSK	135	0	21.61	21.88	21.35			
100	QPSK	135	69	22.11	22.14	21.58	23.2	0.0	
100	QPSK	135	138	21.69	21.36	21.35			
100	QPSK	270	0	20.94	21.31	21.42	22.2	1.0	
100	16QAM	1	1	20.86	20.61	20.55	22.2	1.0	
100	64QAM	1	1	19.17	19.19	19.16	20.7	2.5	
100	256QAM	1	1	18.12	18.14	18.04	18.7	4.5	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	21.38	21.46	21.36	23.2	0.0	
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	21.42	21.37	21.42	23.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	21.29	21.44	21.44	23.2	0.0	
Channel				505000	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	21.46	21.64	21.50	23.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	21.46	21.66	21.45	23.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	21.53	21.52	21.46	23.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	21.54	21.67	21.59	23.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	21.49	21.62	21.53	23.2	0.0	

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		17.84		19.7	0.0	
100	PI/2 BPSK	1	137		18.76				
100	PI/2 BPSK	1	271		17.94				
100	PI/2 BPSK	135	0		18.97		19.7	0.0	
100	PI/2 BPSK	135	69		18.72				
100	PI/2 BPSK	135	138		18.60				
100	PI/2 BPSK	270	0		18.53		19.7	0.0	
100	QPSK	1	1		17.80				
100	QPSK	1	137		18.75				
100	QPSK	1	271		18.03		19.7	0.0	
100	QPSK	135	0		18.48				
100	QPSK	135	69		18.71				
100	QPSK	135	138		18.97		19.7	0.0	
100	QPSK	270	0		18.54				
100	16QAM	1	1		18.00				
100	64QAM	1	1		17.83		18.7	1.0	
100	256QAM	1	1		14.82		15.2	4.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	18.08	18.04	17.92	19.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	18.12	18.06	17.82	19.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	18.05	18.03	17.87	19.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	18.13	18.07	17.95	19.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	18.10	18.10	17.95	19.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	18.39	18.34	18.10	19.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	18.27	18.20	18.17	19.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3462.51 <td>3500.01</td> <td>3537.48</td> <th></th> <th></th> <th></th>	3500.01	3537.48			
25	PI/2 BPSK	1	1	18.32	18.20	18.06	19.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3460.02 <td>3500.01</td> <td>3540</td>	3500.01	3540			
20	PI/2 BPSK	1	1	18.22	18.36	18.07	19.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5 <td>3500.01</td> <td>3542.48</td>	3500.01	3542.48			
15	PI/2 BPSK	1	1	18.23	18.36	18.11	19.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3455.01 <td>3500.01</td> <td>3544.98</td>	3500.01	3544.98			
10	PI/2 BPSK	1	1	18.32	18.28	18.18	19.7	0.0	

n77(Part 27Q)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1		20.84		22.7	0.0	
100	PV2 BPSK	1	137		21.77				
100	PV2 BPSK	1	271		20.96				
100	PV2 BPSK	135	0		21.60		22.2	0.5	
100	PV2 BPSK	135	69		21.74				
100	PV2 BPSK	135	138		21.59				
100	PV2 BPSK	270	0		21.59		22.2	0.5	
100	QPSK	1	1		20.85				
100	QPSK	1	137		21.74				
100	QPSK	1	271		21.07		22.7	0.0	
100	QPSK	135	0		21.00				
100	QPSK	135	69		21.73				
100	QPSK	135	138		21.03		21.7	1.0	
100	QPSK	270	0		20.03				
100	16QAM	1	1		20.54				
100	64QAM	1	1		18.85		20.2	2.5	
100	256QAM	1	1		17.09		18.2	4.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PV2 BPSK	1	1	20.94	20.99	20.87	22.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PV2 BPSK	1	1	20.98	20.96	20.83	22.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PV2 BPSK	1	1	20.83	20.98	20.80	22.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PV2 BPSK	1	1	20.80	20.96	20.76	22.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PV2 BPSK	1	1	20.87	20.85	20.81	22.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PV2 BPSK	1	1	21.10	21.16	21.11	22.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PV2 BPSK	1	1	21.18	21.24	21.07	22.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PV2 BPSK	1	1	21.12	21.16	20.97	22.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PV2 BPSK	1	1	21.19	21.16	21.08	22.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PV2 BPSK	1	1	21.04	21.12	21.03	22.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PV2 BPSK	1	1	21.21	21.16	21.07	22.7	0.0	

Conducted Power for DSI 5

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
				Channel					
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42	24.2	0.5	
20	Pl2 BPSK	50	0	23.61	23.61	23.52			
20	Pl2 BPSK	50	28	23.63	23.54	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49			
20	Pl2 BPSK	100	0	23.60	23.63	23.52	24.7	0.5	
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.35			
20	QPSK	50	0	23.09	23.06	23.01	23.7	1.0	
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0	
20	64QAM	1	1	21.28	21.31	21.16			
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel				371500	376000	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
15	Pl2 BPSK	1	1	23.51	23.55	23.53	24.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1895	1890	1905			
10	Pl2 BPSK	1	1	23.33	23.41	23.34	24.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5	1890	1907.5			
5	Pl2 BPSK	1	1	23.39	23.62	23.58	24.7	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1890	1890	1900			
20	Pl2 BPSK	1	1	15.47	15.51	15.46	16.7	0.0	
20	Pl2 BPSK	1	53	15.56	15.61	15.54			
20	Pl2 BPSK	1	104	15.45	15.52	15.47	16.7	0.0	
20	Pl2 BPSK	50	0	15.43	15.52	15.46			
20	Pl2 BPSK	50	28	15.50	15.60	15.50	16.7	0.0	
20	Pl2 BPSK	50	56	15.51	15.57	15.48			
20	Pl2 BPSK	100	0	15.52	15.59	15.55	16.7	0.0	
20	QPSK	1	1	15.40	15.47	15.39			
20	QPSK	1	53	15.54	15.57	15.51	16.7	0.0	
20	QPSK	1	104	15.40	15.46	15.39			
20	QPSK	50	0	15.50	15.55	15.48	16.7	0.0	
20	QPSK	50	28	15.55	15.59	15.51			
20	QPSK	50	56	15.49	15.57	15.48	16.7	0.0	
20	QPSK	100	0	15.54	15.58	15.51			
20	16QAM	1	1	15.10	15.18	15.13	16.7	0.0	
20	64QAM	1	1	15.11	15.17	15.08			
20	256QAM	1	1	15.54	15.58	15.50	16.7	0.0	
Channel				371500	376000	380500	limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
15	Pl2 BPSK	1	1	15.42	15.48	15.38	16.7	0.0	
Channel				371000	376000	381000	limit (dbm)	MPR (db)	
Frequency (MHz)				1895	1890	1905			
10	Pl2 BPSK	1	1	15.37	15.47	15.38	16.7	0.0	
Channel				370500	376000	381500	limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5	1890	1907.5			
5	Pl2 BPSK	1	1	15.43	15.46	15.43	16.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low	Power Middle	Power High			
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
				372000	376000	380000			
Channel				Frequency (MHz)	1890	1890	1900		
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22	22.2	0.5	
20	Pl2 BPSK	50	0	21.46	21.46	21.38			
20	Pl2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38			
20	Pl2 BPSK	100	0	21.46	21.51	21.45	22.2	0.5	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.38	22.7	0.0	
20	QPSK	1	104	21.42	21.35	21.25			
5	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	28	21.51	21.52	21.41			
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0	
20	64QAM	1	1	19.69	19.71	19.58			
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1895 <th>1890</th> <th>1905</th> <th></th> <th></th> <th></th>	1890	1905			
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5 <th>1890</th> <th>1907.5</th> <th></th> <th></th> <th></th>	1890	1907.5			
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n66_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)			
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.					
				345000	349000	353000					
Channel				1725	1745	1765					
Frequency (MHz)											
40	Pl2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0			
40	Pl2 BPSK	1	108	23.95	23.98	23.91					
40	Pl2 BPSK	1	214	23.35	23.38	23.34	24.2	0.5			
40	Pl2 BPSK	108	0	23.38	23.32	23.35					
40	Pl2 BPSK	108	54	23.94	23.95	23.92	24.2	0.5			
40	Pl2 BPSK	108	108	23.54	23.22	23.54					
40	Pl2 BPSK	216	0	23.48	23.50	23.42					
40	QPSK	1	1	23.51	23.38	23.38	24.7	0.0			
40	QPSK	1	108	23.94	23.92	23.89					
40	QPSK	1	214	23.38	23.35	23.31	23.7	1.0			
40	QPSK	108	0	22.85	22.81	22.84					
40	QPSK	108	54	23.92	23.94	23.91	23.7	1.0			
40	QPSK	108	108	23.02	22.88	23.00					
40	QPSK	216	0	22.98	22.75	22.91					
40	16QAM	1	1	22.23	22.13	22.14					
40	64QAM	1	1	20.78	20.70	20.69					
40	256QAM	1	1	19.42	19.28	19.31					
Channel				345000	349000	353000	1765.0	MPR			
Frequency (MHz)				1725	1745	1765					
30	Pl2 BPSK	1	1	23.65	23.68	23.60	24.7	0.0			
Channel				344500	349000	353500	tune-up limit	MPR			
Frequency (MHz)				1722.5	1745	1747.5					
25	Pl2 BPSK	1	1	23.57	23.52	23.50	24.7	0.0			
Channel				344000	349000	354000	tune-up limit	MPR			
Frequency (MHz)				1720	1745	1770					
20	Pl2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0			
Channel				343500	349000	354500	tune-up limit	MPR			
Frequency (MHz)				1717.5	1745	1772.5					
15	Pl2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0			
Channel				343000	349000	355000	tune-up limit	MPR			
Frequency (MHz)				1715	1745	1775					
10	Pl2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0			
Channel				342500	349000	355500	tune-up limit	MPR			
Frequency (MHz)				1712.5	1745	1777.5					
5	Pl2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0			

n66_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)			
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.					
				345000	349000	353000					
Channel				1725	1745	1765					
Frequency (MHz)											
40	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0			
40	PV2 BPSK	1	108	17.33	17.38	17.32					
40	PV2 BPSK	1	214	16.76	16.80	16.73	18.2	0.0			
40	PV2 BPSK	108	0	17.05	17.12	17.08					
40	PV2 BPSK	108	54	17.26	17.35	17.27	18.2	0.0			
40	PV2 BPSK	108	108	16.98	17.02	16.97					
40	PV2 BPSK	216	0	17.03	17.06	16.97					
40	QPSK	1	1	16.78	16.82	16.79	18.2	0.0			
40	QPSK	1	108	17.25	17.32	17.23					
40	QPSK	1	214	16.71	16.80	16.75	17.05	0.0			
40	QPSK	108	0	17.08	17.11	17.05					
40	QPSK	108	54	17.21	17.30	17.22	17.05	0.0			
40	QPSK	108	108	16.97	17.05	16.99					
40	QPSK	216	0	16.97	17.04	17.01					
40	16QAM	1	1	16.96	16.82	16.99					
40	64QAM	1	1	16.59	16.63	16.54					
40	256QAM	1	1	17.14	17.21	17.18					
Channel				345000	349000	353000	tune-up limit	MPR			
Frequency (MHz)				1725	1745	1765					
30	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0			
Channel				344500	349000	353500	tune-up limit	MPR			
Frequency (MHz)				1722.5	1745	1747.5					
25	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0			
Channel				344000	349000	354000	tune-up limit	MPR			
Frequency (MHz)				1720	1745	1770					
20	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0			
Channel				343500	349000	354500	tune-up limit	MPR			
Frequency (MHz)				1717.5	1745	1772.5					
15	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0			
Channel				343000	349000	355000	tune-up limit	MPR			
Frequency (MHz)				1715	1745	1775					
10	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0			
Channel				342500	349000	355500	tune-up limit	MPR			
Frequency (MHz)				1712.5	1745	1777.5					
5	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0			

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)								
20	Pl/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	Pl/2 BPSK	1	53	24.10	24.21	24.15		
20	Pl/2 BPSK	1	104	23.98	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.68	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.18	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	Pl/2 BPSK	1	1	23.88 <td>23.95<td>23.89</td><td>25.2</td><td>0.0</td></td>	23.95 <td>23.89</td> <td>25.2</td> <td>0.0</td>	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)								
20	Pl/2 BPSK	1	1	21.46	21.52	21.46	22.7	0.0
20	Pl/2 BPSK	1	53	21.64	21.70	21.66		
20	Pl/2 BPSK	1	104	21.42	21.46	21.40		
20	Pl/2 BPSK	50	0	21.56	21.64	21.61	22.7	0.0
20	Pl/2 BPSK	50	28	21.57	21.66	21.60	22.7	0.0
20	Pl/2 BPSK	50	56	21.55	21.63	21.60	22.7	0.0
20	Pl/2 BPSK	100	0	21.62	21.67	21.58		
20	QPSK	1	1	21.48	21.52	21.44		
20	QPSK	1	53	21.55	21.62	21.56	22.7	0.0
20	QPSK	1	104	21.39	21.43	21.35		
20	QPSK	50	0	21.62	21.67	21.60	22.7	0.0
20	QPSK	50	28	21.59	21.63	21.60	22.7	0.0
20	QPSK	50	56	21.64	21.69	21.59	22.7	0.0
20	QPSK	100	0	21.59	21.68	21.63	22.2	0.5
20	16QAM	1	1	21.15	21.25	21.20		
20	64QAM	1	1	21.28	21.34	21.27		
20	256QAM	1	1	19.99	20.05	19.96	20.7	2.0
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	Pl/2 BPSK	1	1	21.37	21.51	21.43	22.7	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	Pl/2 BPSK	1	1	21.37	21.49	21.38	22.7	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	Pl/2 BPSK	1	1	21.38	21.48	21.39	22.7	0.0

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				505002	518598	530000			
Channel				2546.01	2592.99	2640			
Frequency (MHz)									
100	PI/2 BPSK	1	1	18.38	18.42	18.28			
100	PI/2 BPSK	1	137	19.15	19.18	18.96	20.2		0.0
100	PI/2 BPSK	1	231	18.23	18.29	18.22			
100	PI/2 BPSK	135	0	18.92	19.03	18.87	20.2		0.0
100	PI/2 BPSK	135	69	19.12	19.15	18.98	20.2		0.0
100	PI/2 BPSK	135	138	18.89	19.01	18.78			
100	PI/2 BPSK	270	0	18.91	18.96	18.86	20.2		0.0
100	QPSK	1	1	18.37	18.42	18.25			
100	QPSK	1	137	18.96	19.11	18.77	20.2		0.0
100	QPSK	1	271	18.23	18.32	18.21			
100	QPSK	135	0	19.05	18.85	18.85			
100	QPSK	135	69	19.11	19.06	18.23	20.2		0.0
100	QPSK	135	138	19.03	18.67	18.89			
100	QPSK	270	0	19.01	18.75	18.90			0.5
100	16QAM	1	1	18.23	18.02	18.01	19.2		1.0
100	64QAM	1	1	18.16	18.12	18.08	19.2		1.0
100	256QAM	1	1	18.15	18.05	18.00	18.7		1.5
Channel				505200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.46	18.55	18.23	20.2		0.0
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.50	18.36	18.31	20.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	18.52	18.51	18.31	20.2		0.0
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	18.52	18.66	18.42	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.52	18.48	18.50	20.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	18.58	18.50	18.51	20.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	18.61	18.49	18.40	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	18.59	18.47	18.52	20.2		0.0

n41_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up power (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				505002	518598	530000			
Channel				2546.01	2592.99	2640			
Frequency (MHz)									
100	PI/2 BPSK	1	1	21.33	21.38	21.31			
100	PI/2 BPSK	1	137	22.03	22.30	21.41	23.2	0.0	
100	PI/2 BPSK	1	231	21.98	22.31	21.23			
100	PI/2 BPSK	135	0	21.98	22.09	21.96	22.7	0.5	
100	PI/2 BPSK	135	69	22.01	22.16	21.51	23.2	0.0	
100	PI/2 BPSK	135	138	21.96	21.89	21.50			
100	PI/2 BPSK	270	0	22.03	22.09	22.01	22.7	0.5	
100	QPSK	1	1	21.46	21.51	21.41			
100	QPSK	1	137	21.94	22.16	21.26	23.2	0.0	
100	QPSK	1	271	21.42	22.20	21.21			
100	QPSK	135	0	21.61	21.88	21.35			
100	QPSK	135	69	22.11	22.14	21.58	23.2	0.0	
100	QPSK	135	138	21.69	21.36	21.35			
100	QPSK	270	0	20.94	21.31	21.42	22.2	1.0	
100	16QAM	1	1	20.86	20.61	20.55	22.2	1.0	
100	64QAM	1	1	19.17	19.19	19.16	20.7	2.5	
100	256QAM	1	1	18.12	18.14	18.04	18.7	4.5	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	21.38	21.46	21.36	23.2	0.0	
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	21.42	21.37	21.42	23.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	21.29	21.44	21.44	23.2	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	21.46	21.64	21.50	23.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	21.46	21.66	21.45	23.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	21.53	21.52	21.46	23.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	21.54	21.67	21.59	23.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	21.49	21.62	21.53	23.2	0.0	

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		11.13		12.7	0.0	
100	PI/2 BPSK	1	137		11.83				
100	PI/2 BPSK	1	271		11.20				
100	PI/2 BPSK	135	0		11.80		12.7	0.0	
100	PI/2 BPSK	135	69		11.74		12.7	0.0	
100	PI/2 BPSK	135	138		11.58		12.7	0.0	
100	PI/2 BPSK	270	0		11.88		12.7	0.0	
100	QPSK	1	1		11.11		12.7	0.0	
100	QPSK	1	137		11.71				
100	QPSK	1	271		11.24				
100	QPSK	135	0		11.82		12.7	0.0	
100	QPSK	135	69		11.66				
100	QPSK	135	138		11.58				
100	QPSK	270	0		11.81		12.7	0.0	
100	16QAM	1	1		11.04		12.7	0.0	
100	64QAM	1	1		10.77		12.7	0.0	
100	256QAM	1	1		11.16		12.7	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	11.07	11.07	11.08	12.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	11.07	11.08	11.05	12.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	11.07	11.09	11.06	12.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	11.07	11.11	11.07	12.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	11.08	11.11	11.05	12.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	11.07	11.10	11.08	12.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	11.04	11.10	11.03	12.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	11.07	11.09	11.07	12.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	11.06	11.11	11.10	12.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	11.03	11.10	11.07	12.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	11.07	11.12	11.08	12.7	0.0	

n77(Part 27Q)_Ant 6(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up (dbm)	MPR (db)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		14.12		15.7	0.0	
100	PI/2 BPSK	1	137		14.83				
100	PI/2 BPSK	1	271		14.22				
100	PI/2 BPSK	135	0		14.82		15.7	0.0	
100	PI/2 BPSK	135	69		14.76		15.7	0.0	
100	PI/2 BPSK	135	138		14.61		15.7	0.0	
100	PI/2 BPSK	270	0		14.70		15.7	0.0	
100	QPSK	1	1		14.08		15.7	0.0	
100	QPSK	1	137		14.78				
100	QPSK	1	271		14.20				
100	QPSK	135	0		14.80		15.7	0.0	
100	QPSK	135	69		14.71				
100	QPSK	135	138		14.55				
100	QPSK	270	0		14.66		15.7	0.0	
100	16QAM	1	1		14.04		15.7	0.0	
100	64QAM	1	1		13.82		15.7	0.0	
100	256QAM	1	1		14.17		15.7	0.0	
Channel				633000	633334	633668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	14.02	14.07	14.06	15.7	0.0	
Channel				632668	633334	634000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	14.06	14.06	14.05	15.7	0.0	
Channel				632334	633334	634332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	14.06	14.09	14.07	15.7	0.0	
Channel				632000	633334	634668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	14.02	14.07	14.02	15.7	0.0	
Channel				631668	633334	635000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	14.05	14.06	14.09	15.7	0.0	
Channel				631334	633334	635332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	14.04	14.07	14.04	15.7	0.0	
Channel				631000	633334	635668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	14.04	14.09	14.05	15.7	0.0	
Channel				630668	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	14.03	14.05	14.06	15.7	0.0	
Channel				630668	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	14.05	14.10	14.08	15.7	0.0	
Channel				630500	633334	636168	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	14.07	14.07	14.06	15.7	0.0	
Channel				630334	633334	636332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	14.06	14.08	14.07	15.7	0.0	

n77(Part 270)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	650000	650000			
Channel				3750	3840	3930			
Frequency (MHz)				11.24	11.26	11.26			
100	PI/2 BPSK	1	1	11.24	11.26	11.26	12.7	0.0	
100	PI/2 BPSK	1	137	11.93	11.99	11.94			
100	PI/2 BPSK	1	271	11.24	11.25	11.22			
100	PI/2 BPSK	135	0	11.73	11.85	11.78	12.7	0.0	
100	PI/2 BPSK	135	69	11.83	11.94	11.92	12.7	0.0	
100	PI/2 BPSK	135	138	11.78	11.82	11.78	12.7	0.0	
100	PI/2 BPSK	270	0	11.74	11.78	11.71			
100	QPSK	1	1	11.20	11.26	11.13			
100	QPSK	1	137	11.85	11.92	11.81	12.7	0.0	
100	QPSK	1	271	11.21	11.20	11.14			
100	QPSK	135	0	11.73	11.77	11.70			
100	QPSK	135	69	11.86	11.90	11.81	12.7	0.0	
100	QPSK	135	138	11.77	11.76	11.73			
100	QPSK	270	0	11.74	11.88	11.74			
100	16QAM	1	1	11.06	11.18	11.05	12.7	0.0	
100	64QAM	1	1	10.82	10.85	10.82	12.7	0.0	
100	256QAM	1	1	11.22	11.30	11.20	12.7	0.0	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR	(dB)
90	PI/2 BPSK	1	1	11.23	11.22	11.23	12.7	0.0	
Channel				646334	656000	662666	tune-up limit (dBm)	MPR	(dB)
80	PI/2 BPSK	1	1	11.22	11.20	11.23	12.7	0.0	
Channel				648000	656000	663000	tune-up limit (dBm)	MPR	(dB)
70	PI/2 BPSK	1	1	11.22	11.23	11.24	12.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR	(dB)
60	PI/2 BPSK	1	1	11.19	11.19	11.25	12.7	0.0	
Channel				646334	656000	663666	tune-up limit (dBm)	MPR	(dB)
50	PI/2 BPSK	1	1	11.19	11.25	11.21	12.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR	(dB)
40	PI/2 BPSK	1	1	11.19	11.25	11.25	12.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR	(dB)
30	PI/2 BPSK	1	1	11.23	11.20	11.24	12.7	0.0	
Channel				647334	652000	664666	tune-up limit (dBm)	MPR	(dB)
25	PI/2 BPSK	1	1	11.23	11.23	11.21	12.7	0.0	
Channel				647334	656000	664666	tune-up limit (dBm)	MPR	(dB)
20	PI/2 BPSK	1	1	11.22	11.24	11.23	12.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR	(dB)
15	PI/2 BPSK	1	1	11.21	11.23	11.21	12.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR	(dB)
10	PI/2 BPSK	1	1	11.20	11.20	11.24	12.7	0.0	

n77(Part 270)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	650000	650000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	14.22	14.28	14.22	15.7	0.0	
100	PI/2 BPSK	1	137	14.91	15.00	14.92			
100	PI/2 BPSK	1	271	14.22	14.30	14.25			
100	PI/2 BPSK	135	0	14.77	14.85	14.75	15.7	0.0	
100	PI/2 BPSK	135	69	14.88	14.95	14.92	15.7	0.0	
100	PI/2 BPSK	135	138	14.75	14.81	14.73	15.7	0.0	
100	PI/2 BPSK	270	0	14.74	14.83	14.73			
100	QPSK	1	1	14.17	14.21	14.15			
100	QPSK	1	137	14.89	14.94	14.84	15.7	0.0	
100	QPSK	1	271	14.18	14.25	14.19			
100	QPSK	135	0	14.70	14.79	14.74			
100	QPSK	135	69	14.84	14.90	14.82	15.7	0.0	
100	QPSK	135	138	14.72	14.76	14.72			
100	QPSK	270	0	14.75	14.84	14.74			
100	16QAM	1	1	14.06	14.15	14.07	15.7	0.0	
100	64QAM	1	1	13.85	13.88	13.78	15.7	0.0	
100	256QAM	1	1	14.23	14.28	14.18	15.7	0.0	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR	(dB)
90	PI/2 BPSK	1	1	14.19	14.27	14.19	15.7	0.0	
Channel				646334	656000	662666	tune-up limit (dBm)	MPR	(dB)
80	PI/2 BPSK	1	1	14.17	14.24	14.19	15.7	0.0	
Channel				648000	656000	663000	tune-up limit (dBm)	MPR	(dB)
70	PI/2 BPSK	1	1	14.20	14.24	14.21	15.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR	(dB)
60	PI/2 BPSK	1	1	14.20	14.27	14.17	15.7	0.0	
Channel				646334	656000	663666	tune-up limit (dBm)	MPR	(dB)
50	PI/2 BPSK	1	1	14.21	14.24	14.18	15.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR	(dB)
40	PI/2 BPSK	1	1	14.17	14.25	14.19	15.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR	(dB)
30	PI/2 BPSK	1	1	14.21	14.27	14.21	15.7	0.0	
Channel				647334	656000	664666	tune-up limit (dBm)	MPR	(dB)
25	PI/2 BPSK	1	1	14.21	14.24	14.18	15.7	0.0	
Channel				647334	656000	664666	tune-up limit (dBm)	MPR	(dB)
20	PI/2 BPSK	1	1	14.17	14.23	14.21	15.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR	(dB)
15	PI/2 BPSK	1	1	14.19	14.25	14.19	15.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR	(dB)
10	PI/2 BPSK	1	1	14.18	14.27	14.17	15.7	0.0	

Conducted Power for DSI 10

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
				Channel					
				Frequency (MHz)					
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42	24.2	0.5	
20	Pl2 BPSK	50	0	23.61	23.61	23.52			
20	Pl2 BPSK	50	26	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49			
20	Pl2 BPSK	100	0	23.60	23.63	23.52	24.7	0.0	
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	23.7	1.0	
20	QPSK	1	104	23.48	23.52	23.39			
20	QPSK	50	0	23.09	23.06	23.01	23.7	0.0	
20	QPSK	50	26	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64	22.2	2.5	
20	64QAM	1	1	21.28	21.31	21.16			
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
				Channel					
				371500	376000	380500	tune-up limit (dbm)	MPR (db)	
				Frequency (MHz)			1857.5	1890	1902.5
15	Pl2 BPSK	1	1	23.51	23.55	23.53	24.7	0.0	
				Channel					
				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
				Frequency (MHz)			1855	1890	1905
10	Pl2 BPSK	1	1	23.33	23.41	23.34	24.7	0.0	
				Channel					
				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
				Frequency (MHz)			1862.5	1890	1907.5
5	Pl2 BPSK	1	1	23.59	23.62	23.58	24.7	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				18800	18800	19000			
20	P12 BPSK	1	1	14.50	14.54	14.46	15.7	0.0	
20	P12 BPSK	1	53	14.55	14.64	14.53			
20	P12 BPSK	1	104	14.49	14.52	14.45	15.7	0.0	
20	P12 BPSK	50	0	14.38	14.50	14.43			
20	P12 BPSK	50	26	14.46	14.63	14.48	15.7	0.0	
20	P12 BPSK	50	56	14.55	14.57	14.47			
20	P12 BPSK	100	0	14.53	14.62	14.60	15.7	0.0	
20	QPSK	1	1	14.40	14.42	14.43			
20	QPSK	1	53	14.51	14.55	14.54	15.7	0.0	
20	QPSK	1	104	14.41	14.47	14.34			
20	QPSK	50	0	14.46	14.54	14.53	15.7	0.0	
20	QPSK	50	26	14.56	14.56	14.53			
20	QPSK	50	56	14.51	14.60	14.46	15.7	0.0	
20	QPSK	100	0	14.51	14.54	14.49			
20	16QAM	1	1	14.15	14.14	14.08	15.7	0.0	
20	64QAM	1	1	14.06	14.21	14.05			
20	256QAM	1	1	14.59	14.53	14.50	15.7	0.0	
Channel				371500	376000	380500	limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
15	P12 BPSK	1	1	14.44	14.49	14.45	15.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1890	1905			
10	P12 BPSK	1	1	14.47	14.50	14.44	15.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1890	1907.5			
5	P12 BPSK	1	1	14.41	14.51	14.42	15.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372500	376000	380000			
Frequency (MHz)				1880	1880	1900			
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22	22.2	0.5	
20	Pl2 BPSK	50	0	21.46	21.46	21.38			
20	Pl2 BPSK	50	26	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38			
20	Pl2 BPSK	100	0	21.46	21.51	21.45	22.2	0.5	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.36	22.7	0.0	
20	QPSK	1	104	21.42	21.36	21.25			
20	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	26	21.51	21.52	21.41			
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	20.2	2.5	
20	64QAM	1	1	19.69	19.71	19.58			
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500	limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1902.5			
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1890	1905			
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1890	1907.5			
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	345000	352000			
Channel				1745	1745	1765			
Frequency (MHz)									
40	Pl2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0	
40	Pl2 BPSK	1	108	23.95	23.98	23.91			
40	Pl2 BPSK	1	214	23.35	23.38	23.34	24.2	0.5	
40	Pl2 BPSK	108	0	23.38	23.32	23.35			
40	Pl2 BPSK	108	54	23.94	23.95	23.92	24.2	0.5	
40	Pl2 BPSK	108	108	23.54	23.22	23.54			
40	Pl2 BPSK	216	0	23.48	23.50	23.42			
40	QPSK	1	1	23.51	23.38	23.38	24.7	0.0	
40	QPSK	1	108	23.94	23.92	23.89			
40	QPSK	1	214	23.38	23.35	23.31			
40	QPSK	108	0	22.85	22.81	22.84	23.7	1.0	
40	QPSK	108	54	23.92	23.94	23.91			
40	QPSK	108	108	23.02	22.88	23.00	23.7	1.0	
40	QPSK	216	0	22.98	22.75	22.91			
40	16QAM	1	1	22.23	22.13	22.14			
40	64QAM	1	1	20.78	20.70	20.69			
40	256QAM	1	1	19.42	19.28	19.31			
Channel				345000	345000	352000	1765	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	Pl2 BPSK	1	1	23.65	23.68	23.60	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1767.5			
25	Pl2 BPSK	1	1	23.57	23.52	23.50	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	Pl2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0	
Channel				343500	349000	354500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	Pl2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5 <td>1745</td> <td>1777.5</td> <th colspan="2"></th>	1745	1777.5			
5	Pl2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	352000			
Channel				1745	1745	1765			
Frequency (MHz)									
40	PV2 BPSK	1	1	16.26	16.36	16.30	17.7	0.0	
40	PV2 BPSK	1	108	16.84	16.86	16.79			
40	PV2 BPSK	1	214	16.23	16.30	16.27	17.7	0.0	
40	PV2 BPSK	108	0	16.56	16.67	16.61			
40	PV2 BPSK	108	54	16.74	16.84	16.75	17.7	0.0	
40	PV2 BPSK	108	108	16.46	16.49	16.43			
40	PV2 BPSK	216	0	16.52	16.57	16.47			
40	QPSK	1	1	16.26	16.36	16.31	17.7	0.0	
40	QPSK	1	108	16.74	16.82	16.77			
40	QPSK	1	214	16.18	16.26	16.25			
40	QPSK	108	0	16.57	16.56	16.58	17.7	0.0	
40	QPSK	108	54	16.70	16.79	16.68			
40	QPSK	108	108	16.46	16.54	16.50	17.7	0.0	
40	QPSK	216	0	16.50	16.51	16.51			
40	16QAM	1	1	16.08	16.11	16.06			
40	64QAM	1	1	16.04	16.17	16.04			
40	256QAM	1	1	16.61	16.70	16.66			
Channel				345000	349000	353000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	16.17	16.33	16.25	17.7	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	16.18	16.34	16.27	17.7	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	16.16	16.32	16.27	17.7	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	16.18	16.34	16.26	17.7	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	16.20	16.33	16.23	17.7	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	16.23	16.35	16.20	17.7	0.0	

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)				673	680.5	688		
20	Pl/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	Pl/2 BPSK	1	53	24.10	24.21	24.15		
20	Pl/2 BPSK	1	104	23.98	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.16	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.26	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				693	690.5	690.5	693	0.0
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663	668	0.0
10	Pl/2 BPSK	1	1	23.88 <th>23.95</th> <th>23.89</th> <th>25.2</th> <th>0.0</th>	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	665.5	0.0
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)								
20	Pl/2 BPSK	1	1	20.94	20.97	20.94	22.2	0.0
20	Pl/2 BPSK	1	53	21.17	21.22	21.13		
20	Pl/2 BPSK	1	104	20.94	21.01	20.93		
20	Pl/2 BPSK	50	0	21.02	21.15	21.16	22.2	0.0
20	Pl/2 BPSK	50	28	21.09	21.19	21.09	22.2	0.0
20	Pl/2 BPSK	50	56	21.08	21.11	21.11	22.2	0.0
20	Pl/2 BPSK	100	0	21.12	21.17	21.07		
20	QPSK	1	1	20.94	20.99	20.92		
20	QPSK	1	53	21.02	21.15	21.10	22.2	0.0
20	QPSK	1	104	20.87	20.93	20.80		
20	QPSK	50	0	21.13	21.18	21.08	22.2	0.0
20	QPSK	50	28	21.06	21.15	21.11	22.2	0.0
20	QPSK	50	56	21.10	21.14	21.07	22.2	0.0
20	QPSK	100	0	21.11	21.17	21.17	22.2	0.0
20	16QAM	1	1	20.70	20.80	20.73	22.2	0.0
20	64QAM	1	1	20.74	20.85	20.73	22.2	0.0
20	256QAM	1	1	19.53	19.53	19.46	20.7	1.5
Channel				134100	136100	138100	134100	MPR (dB)
Frequency (MHz)				663.5	660.5	660.5	663.5	0.0
15	Pl/2 BPSK	1	1	20.86	20.96	20.84	22.2	0.0
Channel				133600	136100	138600	133600	MPR (dB)
Frequency (MHz)				668	660.5	663	668	0.0
10	Pl/2 BPSK	1	1	20.85	20.95	20.88	22.2	0.0
Channel				133100	136100	139100	133100	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	665.5	0.0
5	Pl/2 BPSK	1	1	20.90	20.93	20.87	22.2	0.0

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				505002	518598	530000			
Channel				2546.01	2592.99	2640			
Frequency (MHz)									
100	Pl2 BPSK	1	1	18.38	18.42	18.28			
100	Pl2 BPSK	1	137	19.15	19.18	18.96	20.2		0.0
100	Pl2 BPSK	1	231	18.23	18.29	18.22			
100	Pl2 BPSK	135	0	18.92	19.03	18.87	20.2		0.0
100	Pl2 BPSK	135	69	19.12	19.15	18.98	20.2		0.0
100	Pl2 BPSK	135	138	18.89	19.01	18.78			
100	Pl2 BPSK	270	0	18.91	18.96	18.86	20.2		0.0
100	QPSK	1	1	18.37	18.42	18.25			
100	QPSK	1	137	18.96	19.11	18.77	20.2		0.0
100	QPSK	1	271	18.23	18.32	18.21			
100	QPSK	135	0	19.05	18.85	18.85			
100	QPSK	135	69	19.11	19.06	18.23	20.2		0.0
100	QPSK	135	138	19.03	18.67	18.89			
100	QPSK	270	0	19.01	18.75	18.90			0.5
100	16QAM	1	1	18.23	18.02	18.01	19.2		1.0
100	64QAM	1	1	18.16	18.12	18.08	19.2		1.0
100	256QAM	1	1	18.15	18.05	18.00	18.7		1.5
Channel				505200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pl2 BPSK	1	1	18.46	18.55	18.23	20.2		0.0
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pl2 BPSK	1	1	18.50	18.36	18.31	20.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	Pl2 BPSK	1	1	18.52	18.51	18.31	20.2		0.0
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pl2 BPSK	1	1	18.52	18.66	18.42	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pl2 BPSK	1	1	18.52	18.48	18.50	20.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pl2 BPSK	1	1	18.58	18.50	18.51	20.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pl2 BPSK	1	1	18.61	18.49	18.40	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pl2 BPSK	1	1	18.59	18.47	18.52	20.2		0.0

n41_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up power (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				505002	518598	530000			
Channel				2546.01	2592.99	2640			
Frequency (MHz)									
100	PV2 BPSK	1	1	21.33	21.38	21.31			
100	PV2 BPSK	1	137	22.03	22.30	21.41	23.2		0.0
100	PV2 BPSK	1	231	21.98	22.31	21.23			
100	PV2 BPSK	135	0	21.98	22.09	21.96	22.7		0.5
100	PV2 BPSK	135	69	22.01	22.16	21.51	23.2		0.0
100	PV2 BPSK	135	138	21.96	21.89	21.50			
100	PV2 BPSK	270	0	22.03	22.09	22.01	22.7		0.5
100	QPSK	1	1	21.44	21.46	21.41			
100	QPSK	1	137	21.94	22.16	21.26	23.2		0.0
100	QPSK	1	271	21.42	22.20	21.21			
100	QPSK	135	0	21.61	21.88	21.55			
100	QPSK	135	69	22.11	22.14	21.58	23.2		0.0
100	QPSK	135	138	21.69	21.36	21.35			
100	QPSK	270	0	20.94	21.31	21.42	22.2		1.0
100	16QAM	1	1	20.86	20.61	20.55	22.2		1.0
100	64QAM	1	1	19.17	19.19	19.16	20.7		2.5
100	256QAM	1	1	18.12	18.14	18.04	18.7		4.5
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
				2541	2592.99	2644.98			
90	PV2 BPSK	1	1	21.38	21.46	21.36	23.2		0.0
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PV2 BPSK	1	1	21.42	21.37	21.42	23.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PV2 BPSK	1	1	21.29	21.44	21.44	23.2		0.0
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PV2 BPSK	1	1	21.46	21.64	21.50	23.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	21.46	21.66	21.45	23.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PV2 BPSK	1	1	21.53	21.52	21.46	23.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PV2 BPSK	1	1	21.54	21.67	21.59	23.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PV2 BPSK	1	1	21.49	21.62	21.53	23.2		0.0

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		10.11		11.7	0.0	
100	PI/2 BPSK	1	137		10.85				
100	PI/2 BPSK	1	271		10.19				
100	PI/2 BPSK	135	0		10.87		11.7	0.0	
100	PI/2 BPSK	135	69		10.80		11.7	0.0	
100	PI/2 BPSK	135	138		10.58		11.7	0.0	
100	PI/2 BPSK	270	0		10.70				
100	QPSK	1	1		10.03		11.7	0.0	
100	QPSK	1	137		10.75				
100	QPSK	1	271		10.16				
100	QPSK	135	0		10.81		11.7	0.0	
100	QPSK	135	69		10.68				
100	QPSK	135	138		10.55				
100	QPSK	270	0		10.71		11.7	0.0	
100	16QAM	1	1		10.08		11.7	0.0	
100	64QAM	1	1		9.82		11.7	0.0	
100	256QAM	1	1		10.18		11.7	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	10.07	10.06	10.05	11.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	10.02	10.06	10.05	11.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.99			
70	PI/2 BPSK	1	1	10.08	10.05	10.05	11.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	10.07	10.05	10.05	11.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	10.07	10.07	10.06	11.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.99			
40	PI/2 BPSK	1	1	10.07	10.08	10.05	11.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	10.06	10.09	10.06	11.7	0.0	
Channel				630334	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	10.07	10.08	10.06	11.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	10.04	10.10	10.06	11.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	10.03	10.05	10.03	11.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	10.02	10.06	10.04	11.7	0.0	

n77(Part 27Q)_Ant 6(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up (dbm)	MPR (db)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		13.08		14.7	0.0	
100	PI/2 BPSK	1	137		13.82				
100	PI/2 BPSK	1	271		13.20				
100	PI/2 BPSK	135	0		13.83		14.7	0.0	
100	PI/2 BPSK	135	69		13.76		14.7	0.0	
100	PI/2 BPSK	135	138		13.57		14.7	0.0	
100	PI/2 BPSK	270	0		13.68				
100	QPSK	1	1		13.04		14.7	0.0	
100	QPSK	1	137		13.71				
100	QPSK	1	271		13.15				
100	QPSK	135	0		13.57		14.7	0.0	
100	QPSK	135	69		13.71				
100	QPSK	135	138		13.52				
100	QPSK	270	0		13.70		14.7	0.0	
100	16QAM	1	1		13.09		14.7	0.0	
100	64QAM	1	1		12.82		14.7	0.0	
100	256QAM	1	1		13.20		14.7	0.0	
Channel				633000	633334	633668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	13.01	13.03	13.00	14.7	0.0	
Channel				632668	633334	634000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	13.00	13.05	13.03	14.7	0.0	
Channel				632334	633334	634332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	13.01	13.02	13.02	14.7	0.0	
Channel				632000	633334	634668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	13.06	13.02	13.02	14.7	0.0	
Channel				631668	633334	635000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	13.04	13.06	13.03	14.7	0.0	
Channel				631334	633334	635332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	13.05	13.04	13.05	14.7	0.0	
Channel				631000	633334	635668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	13.02	13.03	12.99	14.7	0.0	
Channel				630334	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	12.98	13.02	13.01	14.7	0.0	
Channel				630668	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	13.02	13.07	13.01	14.7	0.0	
Channel				630500	633334	636168	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	13.01	13.01	12.99	14.7	0.0	
Channel				630334	633334	636332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	13.03	13.01	13.05	14.7	0.0	

n77(Part 270)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	650000	650000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	10.19	10.32	10.18	11.7	0.0	
100	PI/2 BPSK	1	137	10.89	11.00	10.92			
100	PI/2 BPSK	1	271	10.23	10.30	10.27			
100	PI/2 BPSK	135	0	10.78	10.84	10.76	11.7	0.0	
100	PI/2 BPSK	135	69	10.93	10.97	10.93	11.7	0.0	
100	PI/2 BPSK	135	138	10.75	10.76	10.68	11.7	0.0	
100	PI/2 BPSK	270	0	10.75	10.79	10.75			
100	QPSK	1	1	10.12	10.18	10.15			
100	QPSK	1	137	10.84	10.92	10.85	11.7	0.0	
100	QPSK	1	271	10.15	10.23	10.16			
100	QPSK	135	0	10.73	10.80	10.69			
100	QPSK	135	69	10.89	10.92	10.77	11.7	0.0	
100	QPSK	135	138	10.67	10.74	10.74			
100	QPSK	270	0	10.72	10.80	10.72			
100	16QAM	1	1	10.01	10.18	10.06	11.7	0.0	
100	64QAM	1	1	9.84	9.93	9.80	11.7	0.0	
100	256QAM	1	1	10.23	10.25	10.21	11.7	0.0	
Channel				649668	650000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	10.18	10.28	10.14	11.7	0.0	
Channel				645334	650000	642666	limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	10.15	10.31	10.13	11.7	0.0	
Channel				649000	650000	663000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	10.18	10.29	10.16	11.7	0.0	
Channel				648668	650000	663332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	10.14	10.29	10.17	11.7	0.0	
Channel				645334	650000	643666	limit (dB)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	10.18	10.30	10.16	11.7	0.0	
Channel				648000	650000	664000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	10.15	10.29	10.16	11.7	0.0	
Channel				647668	650000	664332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3954.98			
30	PI/2 BPSK	1	1	10.18	10.28	10.17	11.7	0.0	
Channel				645330	650000	644500	limit (dB)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	10.14	10.27	10.16	11.7	0.0	
Channel				647334	650000	664666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	10.14	10.27	10.16	11.7	0.0	
Channel				647168	650000	664832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	10.18	10.28	10.13	11.7	0.0	
Channel				647000	650000	663000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	10.16	10.27	10.14	11.7	0.0	

n77(Part 270)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				650000	650000	650000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	13.27	13.30	13.21	14.7	0.0	
100	PI/2 BPSK	1	137	13.90	13.99	13.89			
100	PI/2 BPSK	1	271	13.17	13.25	13.23			
100	PI/2 BPSK	135	0	13.76	13.87	13.79	14.7	0.0	
100	PI/2 BPSK	135	69	13.89	13.95	13.92	14.7	0.0	
100	PI/2 BPSK	135	138	13.76	13.85	13.71	14.7	0.0	
100	PI/2 BPSK	270	0	13.75	13.78	13.76			
100	QPSK	1	1	13.19	13.17	13.10			
100	QPSK	1	137	13.85	13.92	13.80	14.7	0.0	
100	QPSK	1	271	13.23	13.30	13.20			
100	QPSK	135	0	13.75	13.75	13.71			
100	QPSK	135	69	13.89	13.92	13.87	14.7	0.0	
100	QPSK	135	138	13.73	13.72	13.73			
100	QPSK	270	0	13.73	13.86	13.71			
100	16QAM	1	1	13.05	13.10	13.03	14.7	0.0	
100	64QAM	1	1	12.83	12.86	12.76	14.7	0.0	
100	256QAM	1	1	13.23	13.23	13.19	14.7	0.0	
Channel				649668	650000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	13.22	13.27	13.20	14.7	0.0	
Channel				649334	650000	662666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99 <th></th> <th></th> <th></th>			
80	PI/2 BPSK	1	1	13.24	13.27	13.17	14.7	0.0	
Channel				649000	650000	663000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	13.24	13.28	13.17	14.7	0.0	
Channel				648668	650000	663332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	13.25	13.25	13.17	14.7	0.0	
Channel				648334	650000	663666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	13.25	13.27	13.19	14.7	0.0	
Channel				648000	650000	664000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	13.23	13.27	13.20	14.7	0.0	
Channel				647668	650000	664332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02 <th>3840</th> <th>3954.98</th> <th></th> <th></th> <th></th>	3840	3954.98			
30	PI/2 BPSK	1	1	13.24	13.26	13.19	14.7	0.0	
Channel				647330	650000	664500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5 <th>3840</th> <th>3967.5</th> <th></th> <th></th> <th></th>	3840	3967.5			
25	PI/2 BPSK	1	1	13.26	13.26	13.17	14.7	0.0	
Channel				647334	650000	664666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	13.24	13.25	13.17	14.7	0.0	
Channel				647168	650000	664832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	13.24	13.25	13.16	14.7	0.0	
Channel				647000	650000	665000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	13.22	13.25	13.18	14.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1890	1920			
20	Pl2 BPSK	1	1	20.98	21.06	21.00	22.2	0.0	
20	Pl2 BPSK	1	53	21.12	21.18	21.13			
20	Pl2 BPSK	1	104	20.98	21.02	20.99	22.2	0.0	
20	Pl2 BPSK	50	0	21.04	21.12	21.04			
20	Pl2 BPSK	50	28	21.07	21.16	21.12	22.2	0.0	
20	Pl2 BPSK	50	56	21.06	21.11	21.08	22.2	0.0	
20	Pl2 BPSK	100	0	21.08	21.17	21.14	22.2	0.0	
20	QPSK	1	1	20.96	21.01	20.95			
20	QPSK	1	53	21.09	21.15	21.06	22.2	0.0	
20	QPSK	1	104	20.98	21.05	21.02			
20	QPSK	50	0	21.03	21.11	21.01	22.2	0.0	
20	QPSK	50	28	21.08	21.16	21.08	22.2	0.0	
20	QPSK	50	56	21.04	21.12	21.08	22.2	0.0	
20	QPSK	100	0	21.09	21.16	21.09	22.2	0.0	
20	16QAM	1	1	20.68	20.75	20.69	22.2	0.0	
20	64QAM	1	1	20.77	20.81	20.71	22.2	0.0	
20	256QAM	1	1	19.83	19.93	19.90	20.2	2.0	
Channel				371500	376000	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5	limit (dbm)	MPR (db)	
15	Pl2 BPSK	1	1	20.89	21.03	20.93	22.2	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1905	limit (dbm)	MPR (db)	
10	Pl2 BPSK	1	1	20.92	21.04	20.91	22.2	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5	1890	1907.5	limit (dbm)	MPR (db)	
5	Pl2 BPSK	1	1	20.95	21.02	20.93	22.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1890	1890	1900			
20	Pl2 BPSK	1	1	20.53	20.55	20.51	21.7	0.0	
20	Pl2 BPSK	1	53	20.58	20.69	20.60			
20	Pl2 BPSK	1	104	20.54	20.57	20.47	21.7	0.0	
20	Pl2 BPSK	50	0	20.48	20.52	20.51			
20	Pl2 BPSK	50	28	20.57	20.67	20.58	21.7	0.0	
20	Pl2 BPSK	50	56	20.60	20.66	20.52	21.7	0.0	
20	Pl2 BPSK	100	0	20.61	20.65	20.63	21.7	0.0	
20	QPSK	1	1	20.46	20.48	20.45			
20	QPSK	1	53	20.64	20.61	20.51	21.7	0.0	
20	QPSK	1	104	20.48	20.52	20.48			
20	QPSK	50	0	20.50	20.57	20.58	21.7	0.0	
20	QPSK	50	28	20.64	20.65	20.54	21.7	0.0	
20	QPSK	50	56	20.52	20.64	20.55	21.7	0.0	
20	QPSK	100	0	20.55	20.63	20.55	21.7	0.0	
20	16QAM	1	1	20.13	20.19	20.16	21.7	0.0	
20	64QAM	1	1	20.17	20.24	20.16	21.7	0.0	
20	256QAM	1	1	19.83	19.85	19.81	20.2	1.5	
Channel				371500	376000	380500	limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5	limit (dbm)	MPR (db)	
15	Pl2 BPSK	1	1	20.43	20.52	20.44	21.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5	limit (dbm)	MPR (db)	
10	Pl2 BPSK	1	1	20.45	20.53	20.45	21.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5	1890	1907.5	limit (dbm)	MPR (db)	
5	Pl2 BPSK	1	1	20.49	20.50	20.41	21.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372500	376000	380000			
Frequency (MHz)				1880	1880	1900			
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22	22.2	0.5	
20	Pl2 BPSK	50	0	21.46	21.46	21.38			
20	Pl2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38	22.2	0.5	
20	Pl2 BPSK	100	0	21.46	21.51	21.45	22.7	0.0	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.38	22.7	0.0	
20	QPSK	1	104	21.42	21.36	21.25			
20	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	28	21.51	21.52	21.41	22.7	0.0	
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42	21.7	1.0	
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0	
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5	
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500	limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1902.5	limit (dBm)	MPR (dB)	
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1905 <th>limit (dBm)</th> <th>MPR (dB)</th> <th></th>	limit (dBm)	MPR (dB)	
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1890	1907.5	limit (dBm)	MPR (dB)	
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	345000	352000			
Channel				1725	1745	1765			
Frequency (MHz)				1725	1745	1765			
40	Pl2 BPSK	1	1	20.79	20.86	20.78	22.2	0.0	
40	Pl2 BPSK	1	108	21.44	21.50	21.43			
40	Pl2 BPSK	1	214	20.81	20.86	20.78			
40	Pl2 BPSK	108	0	21.27	21.33	21.24	22.2	0.0	
40	Pl2 BPSK	108	54	21.44	21.48	21.45	22.2	0.0	
40	Pl2 BPSK	108	108	21.11	21.18	21.10	22.2	0.0	
40	Pl2 BPSK	216	0	21.17	21.22	21.12	22.2	0.0	
40	QPSK	1	1	20.76	20.83	20.79			
40	QPSK	1	108	21.41	21.44	21.34			
40	QPSK	1	214	20.84	20.82	20.84	22.2	0.0	
40	QPSK	108	0	21.26	21.35	21.26	22.2	0.0	
40	QPSK	108	54	21.39	21.49	21.43	22.2	0.0	
40	QPSK	108	108	21.14	21.24	21.19	22.2	0.0	
40	QPSK	216	0	21.22	21.31	21.28	22.2	0.0	
40	16QAM	1	1	20.64	20.72	20.62			
40	64QAM	1	1	20.68	20.77	20.70			
40	256QAM	1	1	19.29	19.33	19.30	20.2	2.0	
Channel				345000	345000	352000	1725	1745	1765
Frequency (MHz)				345000	345000	352000	1725	1745	1765
30	Pl2 BPSK	1	1	20.72	20.83	20.73	22.2	0.0	
Channel				344500	349000	353500	1722.5	1745	1747.5
Frequency (MHz)				344500	349000	353500	1722.5	1745	1747.5
25	Pl2 BPSK	1	1	20.74	20.85	20.74	22.2	0.0	
Channel				344000	349000	354000	1720	1745	1770
Frequency (MHz)				344000	349000	354000	1720	1745	1770
20	Pl2 BPSK	1	1	20.76	20.84	20.75	22.2	0.0	
Channel				343500	349000	354500	1717.5	1745	1772.5
Frequency (MHz)				343500	349000	354500	1717.5	1745	1772.5
15	Pl2 BPSK	1	1	20.72	20.85	20.72	22.2	0.0	
Channel				343000	349000	355000	1715	1745	1775
Frequency (MHz)				343000	349000	355000	1715	1745	1775
10	Pl2 BPSK	1	1	20.75	20.84	20.69	22.2	0.0	
Channel				342500	349000	355500	1712.5	1745	1777.5
Frequency (MHz)				342500	349000	355500	1712.5	1745	1777.5
5	Pl2 BPSK	1	1	20.76	20.84	20.71	22.2	0.0	

0.3

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BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	352000			
Channel				1725	1745	1765			
Frequency (MHz)				1725	1745	1765			
40	PV2 BPSK	1	1	20.78	20.85	20.76	22.2	0.0	
40	PV2 BPSK	1	108	21.36	21.40	21.31			
40	PV2 BPSK	1	214	20.75	20.83	20.68			
40	PV2 BPSK	108	0	21.00	21.15	21.06	22.2	0.0	
40	PV2 BPSK	108	54	21.23	21.38	21.23	22.2	0.0	
40	PV2 BPSK	108	108	21.00	20.99	21.01	22.2	0.0	
40	PV2 BPSK	216	0	20.99	21.03	20.93	22.2	0.0	
40	QPSK	1	1	20.82	20.78	20.78			
40	QPSK	1	108	21.26	21.30	21.16			
40	QPSK	1	214	20.68	20.82	20.76	22.2	0.0	
40	QPSK	108	0	21.06	21.13	21.05	22.2	0.0	
40	QPSK	108	54	21.19	21.26	21.25	22.2	0.0	
40	QPSK	108	108	20.93	21.10	21.00	22.2	0.0	
40	QPSK	216	0	20.97	21.02	21.01	22.2	0.0	
40	16QAM	1	1	20.54	20.64	20.61			
40	64QAM	1	1	20.62	20.67	20.53			
40	256QAM	1	1	19.16	19.15	19.08	19.7	2.5	
Channel				345000	349000	353000	1725	1745	1765
Frequency (MHz)				345000	349000	353000	1725	1745	1765
30	PV2 BPSK	1	1	20.71	20.82	20.68	22.2	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	1725	1745
Frequency (MHz)				344500	349000	353500	tune-up limit (dBm)	1725	1745
25	PV2 BPSK	1	1	20.70	20.80	20.74	22.2	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	1720	1745
Frequency (MHz)				344000	349000	354000	tune-up limit (dBm)	1720	1745
20	PV2 BPSK	1	1	20.69	20.83	20.75	22.2	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	1717.5	1745
Frequency (MHz)				343500	349000	354500	tune-up limit (dBm)	1717.5	1745
15	PV2 BPSK	1	1	20.71	20.82	20.70	22.2	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	1715	1745
Frequency (MHz)				343000	349000	355000	tune-up limit (dBm)	1715	1745
10	PV2 BPSK	1	1	20.74	20.81	20.75	22.2	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	1712.5	1745
Frequency (MHz)				342500	349000	355500	tune-up limit (dBm)	1712.5	1745
5	PV2 BPSK	1	1	20.72	20.83	20.69	22.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				69.5	660.5	668		
Frequency (MHz)				69.5	660.5	668		
20	Pl/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	Pl/2 BPSK	1	53	24.10	24.21	24.15		
20	Pl/2 BPSK	1	104	23.98	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.66	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.16	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.26	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				69.5	660.5	662.5	662.5	25.2
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				66.8	660.5	663	663	25.2
10	Pl/2 BPSK	1	1	23.88 <td>23.95<td>23.89<td>25.2</td><td>0.0</td></td></td>	23.95 <td>23.89<td>25.2</td><td>0.0</td></td>	23.89 <td>25.2</td> <td>0.0</td>	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	665.5	25.2
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				69.5	660.5	668		
Frequency (MHz)				69.5	660.5	668		
20	Pl/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0
20	Pl/2 BPSK	1	53	24.14	24.19	24.16		
20	Pl/2 BPSK	1	104	23.99	24.08	24.02		
20	Pl/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5
20	Pl/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0
20	Pl/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	Pl/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.08	23.25	23.18		
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				133100	136100	139100	138100	MPR (dB)
Frequency (MHz)				69.5	660.5	668	tune-up limit (dBm)	MPR (dB)
15	Pl/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	693	668	25.2
10	Pl/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	695.5	665.5	25.2
5	Pl/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0

n41_Ant 4									
Average Power (dBm)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.89	16.91	16.86			
100	PI/2 BPSK	1	137	17.77	17.76	17.41	18.7	0.0	
100	PI/2 BPSK	1	271	16.73	16.78	16.72			
100	PI/2 BPSK	135	0	17.41	17.44	17.43	18.7	0.0	
100	PI/2 BPSK	135	69	17.67	17.76	17.38	18.7	0.0	
100	PI/2 BPSK	135	138	17.25	17.29	17.22			
100	PI/2 BPSK	270	0	17.41	17.43	17.05	18.7	0.0	
100	QPSK	1	1	16.91	16.92	16.92			
100	QPSK	1	137	17.68	17.76	17.38	18.7	0.0	
100	QPSK	1	271	16.77	16.80	16.73			
100	QPSK	135	0	17.35	17.48	17.38			
100	QPSK	135	69	17.61	17.61	17.27	18.7	0.0	
100	QPSK	135	138	17.21	17.24	17.17			
100	QPSK	270	0	17.23	17.36	16.93	18.7	0.0	
100	16QAM	1	1	17.75	17.50	17.52	18.7	0.0	
100	64QAM	1	1	17.71	17.66	17.60	18.7	0.0	
100	256QAM	1	1	17.67	17.54	17.53	18.7	0.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	16.86	16.88	16.81	18.7	0.0	
Channel				507204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	16.85	16.87	16.81	18.7	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	16.87	16.87	16.83	18.7	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	16.88	16.88	16.85	18.7	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	16.86	16.86	16.81	18.7	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	16.85	16.90	16.85	18.7	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	16.84	16.86	16.84	18.7	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	16.88	16.87	16.81	18.7	0.0	

n41_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.			
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.87	19.95	19.82			
100	PI/2 BPSK	1	137	20.85	20.88	20.50	21.7	0.0	
100	PI/2 BPSK	1	271	19.75	19.78	19.71			
100	PI/2 BPSK	135	0	20.47	20.59	20.45	21.7	0.0	
100	PI/2 BPSK	135	69	20.71	20.87	20.48	21.7	0.0	
100	PI/2 BPSK	135	138	20.31	20.41	20.27			
100	PI/2 BPSK	270	0	20.52	20.61	20.20	21.7	0.0	
100	QPSK	1	1	19.88	19.91	19.83			
100	QPSK	1	137	20.80	20.82	20.50	21.7	0.0	
100	QPSK	1	271	19.69	19.76	19.73			
100	QPSK	135	0	20.50	20.56	20.47			
100	QPSK	135	69	20.73	20.72	20.38	21.7	0.0	
100	QPSK	135	138	20.21	20.38	20.33			
100	QPSK	270	0	20.34	20.42	20.08	21.7	0.0	
100	16QAM	1	1	19.75	19.87	19.85	21.7	0.0	
100	64QAM	1	1	19.12	19.22	19.16	21.2	0.5	
100	256QAM	1	1	18.07	18.11	18.00	18.7	3.0	
Channel				520200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	19.84	19.92	19.80	21.7	0.0	
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	19.85	19.90	19.80	21.7	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	19.82	19.93	19.79	21.7	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	19.82	19.90	19.80	21.7	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	19.82	19.92	19.81	21.7	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	19.82	19.90	19.80	21.7	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	19.82	19.93	19.80	21.7	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	19.85	19.94	19.80	21.7	0.0	

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				3500.01					
Frequency (MHz)				633334					
100	Pl2 BPSK	1	1		16.14		17.7	0.0	
100	Pl2 BPSK	1	137		16.86				
100	Pl2 BPSK	1	271		16.24				
100	Pl2 BPSK	135	0		16.63		17.7	0.0	
100	Pl2 BPSK	135	69		16.80		17.7	0.0	
100	Pl2 BPSK	135	138		16.63		17.7	0.0	
100	Pl2 BPSK	270	0		16.72		17.7	0.0	
100	QPSK	1	1		16.04		17.7	0.0	
100	QPSK	1	137		16.79				
100	QPSK	1	271		16.23				
100	QPSK	135	0		16.61		17.7	0.0	
100	QPSK	135	69		16.68				
100	QPSK	135	138		16.50				
100	QPSK	270	0		16.71		17.7	0.0	
100	16QAM	1	1		16.00		17.7	0.0	
100	64QAM	1	1		15.81		17.7	0.0	
100	256QAM	1	1		14.52		15.2	2.5	
Channel				633000	633334	633668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pl2 BPSK	1	1	16.09	16.09	16.07	17.7	0.0	
Channel				632668	633334	634000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pl2 BPSK	1	1	16.06	16.12	16.07	17.7	0.0	
Channel				632334	633334	634332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pl2 BPSK	1	1	16.06	16.12	16.07	17.7	0.0	
Channel				632000	633334	634668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pl2 BPSK	1	1	16.05	16.13	16.07	17.7	0.0	
Channel				631668	633334	635000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pl2 BPSK	1	1	16.05	16.09	16.04	17.7	0.0	
Channel				631334	633334	635332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	Pl2 BPSK	1	1	16.05	16.13	16.03	17.7	0.0	
Channel				631000	633334	635668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pl2 BPSK	1	1	16.08	16.13	16.06	17.7	0.0	
Channel				630668	633334	636000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	Pl2 BPSK	1	1	16.07	16.12	16.07	17.7	0.0	
Channel				630334	633334	636332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
20	Pl2 BPSK	1	1	16.08	16.13	16.06	17.7	0.0	
Channel				630000	633334	636168	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	Pl2 BPSK	1	1	16.07	16.12	16.07	17.7	0.0	
Channel				630334	633334	636332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pl2 BPSK	1	1	16.06	16.13	16.05	17.7	0.0	

n77(Part 27Q)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1		16.13		20.7	0.0	
100	PV2 BPSK	1	137		16.86				
100	PV2 BPSK	1	271		16.26				
100	PV2 BPSK	135	0		16.67		20.7	0.0	
100	PV2 BPSK	135	69		16.73		20.7	0.0	
100	PV2 BPSK	135	138		16.57		20.7	0.0	
100	PV2 BPSK	270	0		16.65		20.7	0.0	
100	QPSK	1	1		16.11		20.7	0.0	
100	QPSK	1	137		16.75				
100	QPSK	1	271		16.25				
100	QPSK	135	0		16.65		20.7	0.0	
100	QPSK	135	69		16.71				
100	QPSK	135	138		16.55				
100	QPSK	270	0		16.69		20.7	0.0	
100	16QAM	1	1		16.01		20.7	0.0	
100	64QAM	1	1		16.81		18.2	0.5	
100	256QAM	1	1		17.11		20.2	2.5	
Channel				633000	633334	633668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PV2 BPSK	1	1	16.05	16.12	16.03	20.7	0.0	
Channel				632668	633334	634000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PV2 BPSK	1	1	16.08	16.12	16.03	20.7	0.0	
Channel				632334	633334	634332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PV2 BPSK	1	1	16.05	16.12	16.04	20.7	0.0	
Channel				632000	633334	634668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PV2 BPSK	1	1	16.07	16.08	16.03	20.7	0.0	
Channel				631668	633334	635000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PV2 BPSK	1	1	16.08	16.10	16.02	20.7	0.0	
Channel				631334	633334	635332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PV2 BPSK	1	1	16.08	16.12	16.05	20.7	0.0	
Channel				631000	633334	635668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PV2 BPSK	1	1	16.06	16.06	16.02	20.7	0.0	
Channel				630804	633334	635832	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PV2 BPSK	1	1	16.05	16.09	16.05	20.7	0.0	
Channel				630668	633334	636000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PV2 BPSK	1	1	16.09	16.12	16.06	20.7	0.0	
Channel				630500	633334	636168	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PV2 BPSK	1	1	16.09	16.10	16.06	20.7	0.0	
Channel				630334	633334	636332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PV2 BPSK	1	1	16.09	16.08	16.02	20.7	0.0	



Conducted Power for DSI 2

n2_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.		
				372000	376000	380000		
Channel				1860	1880	1900	23.7	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.45	22.55	22.45		
20	PI/2 BPSK	1	53	22.61	22.58	22.65		
20	PI/2 BPSK	1	104	22.42	22.50	22.47	23.7	0.0
20	PI/2 BPSK	50	0	22.51	22.60	22.51		
20	PI/2 BPSK	50	28	22.60	22.66	22.56		
20	PI/2 BPSK	50	56	22.52	22.61	22.51		
20	PI/2 BPSK	100	0	22.59	22.62	22.58	23.7	0.0
20	QPSK	1	1	22.43	22.53	22.48		
20	QPSK	1	53	22.58	22.62	22.57		
20	QPSK	1	104	22.40	22.46	22.40		
20	QPSK	50	0	22.51	22.59	22.53	23.7	0.0
20	QPSK	50	28	22.63	22.66	22.61		
20	QPSK	50	56	22.53	22.61	22.53		
20	QPSK	100	0	22.54	22.63	22.58		
20	16QAM	1	1	22.21	22.26	22.23	23.7	0.0
20	64QAM	1	1	21.25	21.29	21.25		
20	256QAM	1	1	19.85	19.92	19.87		
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5	limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	22.35	22.51	22.39	23.7	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	22.37	22.54	22.42		
Channel				370500	376000	376500		
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	22.42	22.53	22.40	23.7	0.0

n25_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				374000	376000	378000		
Channel				1870	1882.5	1895		
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.46	22.56	22.37	23.7	0.0
40	PI/2 BPSK	1	168	22.99	23.05	23.00		
40	PI/2 BPSK	1	214	22.40	22.46	22.36		
40	PI/2 BPSK	108	0	22.85	22.93	22.90		
40	PI/2 BPSK	108	54	22.93	23.01	22.91	23.7	0.0
40	PI/2 BPSK	108	108	22.77	22.96	22.81		
40	PI/2 BPSK	216	0	22.87	22.95	22.94		
40	QPSK	1	1	22.35	22.51	22.45		
40	QPSK	1	168	22.95	23.00	22.94	23.7	0.0
40	QPSK	1	214	22.38	22.48	22.43		
40	QPSK	108	0	22.94	22.99	22.88		
40	QPSK	108	54	23.03	23.00	22.88		
40	QPSK	108	108	22.86	22.98	22.85	23.7	0.0
40	QPSK	216	0	22.85	22.87	22.79		
40	16QAM	1	1	22.11	22.20	22.22		
40	64QAM	1	1	20.68	20.77	20.72		
40	256QAM	1	1	19.37	19.41	19.35	20.2	3.5
Channel				373000	376500	380000		
Frequency (MHz)				1865	1882.5	1900		
				limit (dBm)	limit (dBm)	limit (dBm)		
30	PI/2 BPSK	1	1	22.43	22.54	22.33	23.7	0.0
Channel				372500	376500	380500	limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5	limit (dBm)	MPR (dB)
25	PI/2 BPSK	1	1	22.42	22.55	22.34	23.7	0.0
Channel				372000	376500	381000	limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905	limit (dBm)	MPR (dB)
20	PI/2 BPSK	1	1	22.40	22.53	22.32	23.7	0.0
Channel				371500	376500	381500	limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	22.37	22.53	22.33	23.7	0.0
Channel				371000	376500	382000	limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	22.38	22.55	22.29	23.7	0.0
Channel				370500	376500	382500	limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	22.43	22.52	22.33	23.7	0.0



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				346000	349000	352000			
			Channel		1730	1745	1760		
			Frequency (MHz)						
40	PI/2 BPSK	1	1	21.31	21.38	21.25	22.7	0.0	
40	PI/2 BPSK	1	108	21.92	22.03	21.94			
40	PI/2 BPSK	1	214	21.36	21.31	21.25			
40	PI/2 BPSK	108	0	21.78	21.86	21.73	22.7	0.0	
40	PI/2 BPSK	108	54	21.92	21.99	21.91	22.7	0.0	
40	PI/2 BPSK	108	108	21.61	21.70	21.56	22.7	0.0	
40	PI/2 BPSK	216	0	21.65	21.75	21.60	22.7	0.0	
40	QPSK	1	1	21.22	21.30	21.32			
40	QPSK	1	108	21.94	21.99	21.79			
40	QPSK	1	214	21.39	21.46	21.29	22.7	0.0	
40	QPSK	108	0	21.77	21.82	21.77			
40	QPSK	108	54	21.85	22.00	21.93			
40	QPSK	108	108	21.65	21.73	21.66	22.7	0.0	
40	QPSK	216	0	21.68	21.85	21.80			
40	16QAM	1	1	21.12	21.17	21.13	22.7	0.0	
40	64QAM	1	1	20.80	20.70	20.70	22.2	0.5	
40	256QAM	1	1	19.38	19.21	19.36	20.2	2.5	
			Channel	345000	349000	353000	1730-1760 limit (dbm)	MPR	
			Frequency (MHz)	1725	1745	1765			
30	PI/2 BPSK	1	1	21.21	21.37	21.15	22.7	0.0	
			Channel	344500	349000	353500	1725-1765 limit (dbm)	MPR	
			Frequency (MHz)	1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	21.22	21.36	21.17	22.7	0.0	
			Channel	344000	349000	354000	1722.5-1767.5 limit (dbm)	MPR	
			Frequency (MHz)	1720	1745	1770			
20	PI/2 BPSK	1	1	21.25	21.34	21.22	22.7	0.0	
			Channel	343500	349000	354500	1720-1770 limit (dbm)	MPR	
			Frequency (MHz)	1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	21.22	21.33	21.15	22.7	0.0	
			Channel	343000	349000	355000	1717.5-1772.5 limit (dbm)	MPR	
			Frequency (MHz)	1715	1745	1775			
10	PI/2 BPSK	1	1	21.28	21.34	21.15	22.7	0.0	
			Channel	342500	349000	355500	1715-1775 limit (dbm)	MPR	
			Frequency (MHz)	1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	21.23	21.35	21.22	22.7	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	PI/2 BPSK	50	28	24.08	24.20	24.13	24.7	0.5	
20	PI/2 BPSK	50	56	23.55	23.66	23.73			
20	PI/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95	25.2	0.0	
20	QPSK	1	53	24.05	24.18	24.14			
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0	
20	QPSK	50	28	24.04	24.18	24.12	24.2	1.0	
20	QPSK	50	56	23.08	23.12	23.21			
20	QPSK	100	0	23.02	23.25	23.18			
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0	
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	134100-138100 limit	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	133600-138600 limit	MPR	
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	133100-139100 limit	MPR	
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	



n41_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)		
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
				Channel	506202	518598				526000
Frequency (MHz)				2546.01	2592.99	2640				
100	PI/2 BPSK	1	1	20.36	20.53	20.52	21.9	0.0		
100	PI/2 BPSK	1	137	21.14	21.17	21.10				
100	PI/2 BPSK	1	271	20.37	20.45	20.46				
100	PI/2 BPSK	135	0	20.89	20.88	20.92			21.9	0.0
100	PI/2 BPSK	135	69	21.01	21.16	21.06	21.9	0.0		
100	PI/2 BPSK	135	138	20.80	20.84	20.69				
100	PI/2 BPSK	270	0	20.91	21.01	20.93				
100	QPSK	1	1	20.29	20.45	20.32				
100	QPSK	1	137	21.00	21.13	21.09	21.9	0.0		
100	QPSK	1	271	20.43	20.30	20.43				
100	QPSK	135	0	20.71	20.86	20.86				
100	QPSK	135	69	21.00	21.09	21.01			21.9	0.0
100	QPSK	135	138	20.61	20.74	20.75	21.9	0.0		
100	QPSK	270	0	20.85	20.91	20.91				
100	16QAM	1	1	20.88	20.97	21.01			21.9	0.0
100	64QAM	1	1	20.97	20.99	20.96			21.9	0.0
100	256QAM	1	1	20.89	20.88	20.98	21.9	0.0		
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2541	2592.99	2644.98				
90	PI/2 BPSK	1	1	20.31	20.46	20.48	21.9	0.0		
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	PI/2 BPSK	1	1	20.35	20.51	20.49	21.9	0.0		
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2531.01	2592.99	2655				
70	PI/2 BPSK	1	1	20.34	20.48	20.47	21.9	0.0		
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2526	2592.99	2659.98				
60	PI/2 BPSK	1	1	20.32	20.49	20.51	21.9	0.0		
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	PI/2 BPSK	1	1	20.35	20.51	20.51	21.9	0.0		
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2516.01	2592.99	2670				
40	PI/2 BPSK	1	1	20.34	20.51 <td>20.49</td> <td>21.9</td> <td>0.0</td> <td></td>	20.49	21.9	0.0		
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2511	2592.99	2674.98				
30	PI/2 BPSK	1	1	20.34	20.52	20.49	21.9	0.0		
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	PI/2 BPSK	1	1	20.33	20.47	20.50	21.9	0.0		

n41_Ant 0(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				Channel	506202	518598			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.95	22.96	22.93	24.9	0.0	
100	PI/2 BPSK	1	137	23.71	23.78	23.72			
100	PI/2 BPSK	1	271	22.88	22.95	22.95			
100	PI/2 BPSK	135	0	23.53	23.49	23.43			24.9
100	PI/2 BPSK	135	69	23.63	23.77	23.61	24.9	0.0	
100	PI/2 BPSK	135	138	23.35	23.44	23.33			
100	PI/2 BPSK	270	0	23.48	23.54	23.51			
100	QPSK	1	1	22.89	22.92	22.87			
100	QPSK	1	137	23.67	23.75	23.72	0.0		
100	QPSK	1	271	22.90	22.92	22.87	24.9	0.0	
100	QPSK	135	0	23.42	23.46	23.40			
100	QPSK	135	69	23.61	23.65	23.66			0.0
100	QPSK	135	138	23.32	23.34	23.34			
100	QPSK	270	0	23.45	23.45	23.41	24.9	0.0	
100	16QAM	1	1	22.89	23.01	22.86	24.9	0.0	
100	64QAM	1	1	22.19	22.25	22.16	23.9	1.0	
100	256QAM	1	1	21.09	21.19	21.19	21.9	3.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	22.90	22.97	22.92	24.9	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	22.93	22.95	22.92	24.9	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	22.91	22.97	22.93	24.9	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	22.92	22.96	22.90	24.9	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	22.91	22.94	22.93	24.9	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	22.90	22.93	22.94	24.9	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	22.94	22.97	22.90	24.9	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	22.90	22.97	22.92	24.9	0.0	



n77(Part 27Q)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		16.34		18.2	0.0	
100	PI/2 BPSK	1	137		17.26				
100	PI/2 BPSK	1	271		16.36		18.2	0.0	
100	PI/2 BPSK	135	0		16.96				
100	PI/2 BPSK	135	69		17.14		18.2	0.0	
100	PI/2 BPSK	135	138		16.92				
100	PI/2 BPSK	270	0		17.01		18.2	0.0	
100	QPSK	1	1		16.31				
100	QPSK	1	137		17.22		18.2	0.0	
100	QPSK	1	271		16.34				
100	QPSK	135	0		16.93		18.2	0.0	
100	QPSK	135	69		17.04				
100	QPSK	135	138		16.85		18.2	0.0	
100	QPSK	270	0		16.91				
100	16QAM	1	1		16.30		18.2	0.0	
100	64QAM	1	1		16.39		18.2	0.0	
100	256QAM	1	1		16.39		18.2	0.0	
Channel				633000	633334	633666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496	3500.01	3504.99			
90	PI/2 BPSK	1	1	16.25	16.33	16.26	18.2	0.0	
Channel				632666	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	16.24	16.33	16.27	18.2	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	16.27	16.32	16.26	18.2	0.0	
Channel				632000	633334	634666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	16.29	16.33	16.29	18.2	0.0	
Channel				631666	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	16.27	16.30	16.31	18.2	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	16.29	16.30	16.30	18.2	0.0	
Channel				631000	633334	635666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3531.69			
30	PI/2 BPSK	1	1	16.31	16.33	16.28	18.2	0.0	
Channel				630634	633334	635832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	16.30	16.30	16.26	18.2	0.0	
Channel				630666	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	16.29	16.32	16.29	18.2	0.0	
Channel				630500	633334	636166	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	16.32	16.30	16.27	18.2	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	16.26	16.32	16.25	18.2	0.0	

n77(Part 27Q)_Ant 5(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	19.35			21.2	0.0	
100	PI/2 BPSK	1	137	20.26					
100	PI/2 BPSK	1	271	19.28			21.2	0.0	
100	PI/2 BPSK	135	0	19.95					
100	PI/2 BPSK	135	69	20.12			21.2	0.0	
100	PI/2 BPSK	135	138	19.96					
100	PI/2 BPSK	270	0	20.04			21.2	0.0	
100	QPSK	1	1	19.28					
100	QPSK	1	137	20.19			21.2	0.0	
100	QPSK	1	271	19.25					
100	QPSK	135	0	19.96			21.2	0.0	
100	QPSK	135	69	20.05					
100	QPSK	135	138	19.85			21.2	0.0	
100	QPSK	270	0	19.97					
100	16QAM	1	1	19.37			21.2	0.0	
100	64QAM	1	1	19.38			21.2	0.0	
100	256QAM	1	1	19.40			21.2	0.0	
Channel				633000	633334	633666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496	3500.01	3504.99			
90	PI/2 BPSK	1	1	19.31	19.31	19.29	21.2	0.0	
Channel				632666	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	19.29	19.30	19.26	21.2	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	19.29	19.32	19.30	21.2	0.0	
Channel				632000	633334	634666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	19.29	19.34	19.27	21.2	0.0	
Channel				631666	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	19.29	19.33	19.31	21.2	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	19.28	19.30	19.29	21.2	0.0	
Channel				631000	633334	635666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	19.27	19.34	19.26	21.2	0.0	
Channel				630634	633334	635832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	19.30	19.33	19.29	21.2	0.0	
Channel				630666	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	19.30	19.34	19.29	21.2	0.0	
Channel				630500	633334	636166	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	19.30	19.33	19.29	21.2	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	19.30	19.34	19.27	21.2	0.0	



Conducted Power for DSI 7

n2_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				372000	376000	380000		
Channel				1860	1880	1900	22.7	0.0
Frequency (MHz)				1860	1880	2145		
20	PI/2 BPSK	1	1	21.50	21.58	21.45		
20	PI/2 BPSK	1	53	21.64	21.68	21.65		
20	PI/2 BPSK	1	104	21.42	21.47	21.50		
20	PI/2 BPSK	50	0	21.49	21.58	21.57	22.7	0.0
20	PI/2 BPSK	50	28	21.62	21.67	21.60	22.7	0.0
20	PI/2 BPSK	50	56	21.52	21.56	21.60	22.7	0.0
20	PI/2 BPSK	100	0	21.53	21.65	21.61	22.7	0.0
20	QPSK	1	1	21.44	21.53	21.50	22.7	0.0
20	QPSK	1	53	21.57	21.63	21.52		
20	QPSK	1	104	21.49	21.55	21.54		
20	QPSK	50	0	21.52	21.60	21.55		
20	QPSK	50	28	21.61	21.66	21.62	22.7	0.0
20	QPSK	50	56	21.53	21.64	21.56	22.7	0.0
20	QPSK	100	0	21.63	21.63	21.54	22.7	0.0
20	16QAM	1	1	21.15	21.21	21.24	22.7	0.0
20	64QAM	1	1	21.23	21.30	21.23	22.2	0.5
20	256QAM	1	1	19.87	19.81	19.75	20.0	2.5
Channel				371500	376000	380500	19.7500 limit	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	22.7	0.0
15	PI/2 BPSK	1	1	21.43	21.57	21.35		
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	21.40	21.56	21.41	22.7	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	21.47	21.53	21.38	22.7	0.0

n25_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				374000	376000	378000		
Channel				1870	1882.5	1895	22.7	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.47	21.55	21.44		
40	PI/2 BPSK	1	168	22.00	22.05	22.00		
40	PI/2 BPSK	1	214	21.36	21.36	21.42		
40	PI/2 BPSK	108	0	21.86	21.93	21.90	22.7	0.0
40	PI/2 BPSK	108	54	22.03	22.04	21.91	22.7	0.0
40	PI/2 BPSK	108	108	21.79	21.82	21.78	22.7	0.0
40	PI/2 BPSK	216	0	21.85	21.94	21.93	22.7	0.0
40	QPSK	1	1	21.42	21.54	21.50	22.7	0.0
40	QPSK	1	108	22.00	22.00	21.97		
40	QPSK	1	214	21.40	21.41	21.35		
40	QPSK	108	0	21.88	21.97	21.91		
40	QPSK	108	54	21.95	21.99	21.88	22.7	0.0
40	QPSK	108	108	21.84	21.92	21.86	22.7	0.0
40	QPSK	216	0	21.88	21.87	21.78	22.7	0.0
40	16QAM	1	1	21.18	21.26	21.19	22.7	0.0
40	64QAM	1	1	21.25	21.27	21.27	22.2	0.5
40	256QAM	1	1	19.84	19.96	19.87	20.2	2.5
Channel				373000	376000	380000	1870-1875 limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900	1870-1875 limit (dBm)	MPR (dB)
30	PI/2 BPSK	1	1	21.44	21.50	21.41	22.7	0.0
Channel				372500	376000	380500	1870-1875 limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5	1870-1875 limit (dBm)	MPR (dB)
25	PI/2 BPSK	1	1	21.41	21.54	21.36	22.7	0.0
Channel				372000	376000	381000	1870-1875 limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905	1870-1875 limit (dBm)	MPR (dB)
20	PI/2 BPSK	1	1	21.41	21.50	21.41	22.7	0.0
Channel				371500	376000	381500	1870-1875 limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	1870-1875 limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	21.41	21.50	21.35	22.7	0.0
Channel				371000	376000	382000	1870-1875 limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	1870-1875 limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	21.43	21.52	21.37	22.7	0.0
Channel				370500	376000	382500	1870-1875 limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	1870-1875 limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	21.43	21.54	21.40	22.7	0.0



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				Channel	346000	349000			
				Frequency (MHz)	1730	1745	1760		
40	PI/2 BPSK	1	1	20.28	20.37	20.28	21.7	0.0	
40	PI/2 BPSK	1	108	20.97	20.98	20.94			
40	PI/2 BPSK	1	214	20.27	20.32	20.24			
40	PI/2 BPSK	108	0	20.79	20.87	20.69	21.7	0.0	
40	PI/2 BPSK	108	54	20.91	20.93	20.92	21.7	0.0	
40	PI/2 BPSK	108	108	20.65	20.70	20.60	21.7	0.0	
40	PI/2 BPSK	216	0	20.68	20.69	20.59			
40	QPSK	1	1	20.28	20.29	20.28			
40	QPSK	1	108	20.86	20.91	20.79	21.7	0.0	
40	QPSK	1	214	20.36	20.41	20.32	21.7	0.0	
40	QPSK	108	0	20.77	20.80	20.73			
40	QPSK	108	54	20.86	20.93	20.91			
40	QPSK	108	108	20.69	20.72	20.64	21.7	0.0	
40	QPSK	216	0	20.71	20.82	20.73			
40	16QAM	1	1	20.18	20.25	20.17	21.7	0.0	
40	64QAM	1	1	20.16	20.29	20.23	21.7	0.0	
40	256QAM	1	1	19.45	19.31	19.35	20.2	1.5	
Channel				345000	349000	353000	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1725	1745	1765	21.7	21.7	21.7
30	PI/2 BPSK	1	1	20.20	20.36	20.19	21.7	0.0	
Channel				344500	349000	353500	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	21.7	21.7	21.7
25	PI/2 BPSK	1	1	20.23	20.34	20.18	21.7	0.0	
Channel				344000	349000	354000	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1720	1745	1770	21.7	21.7	21.7
20	PI/2 BPSK	1	1	20.18	20.34	20.18	21.7	0.0	
Channel				343500	349000	354500	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	21.7	21.7	21.7
15	PI/2 BPSK	1	1	20.23	20.34	20.17	21.7	0.0	
Channel				343000	349000	355000	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1715	1745	1775	21.7	21.7	21.7
10	PI/2 BPSK	1	1	20.19	20.35	20.17	21.7	0.0	
Channel				342500	349000	355500	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	21.7	21.7	21.7
5	PI/2 BPSK	1	1	20.20	20.32	20.23	21.7	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low	Power Middle	Power High			
				Ch / Freq.	Ch / Freq.	Ch / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	PI/2 BPSK	50	28	24.08	24.20	24.13	24.7	0.5	
20	PI/2 BPSK	50	56	23.55	23.66	23.73			
20	PI/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95	25.2	0.0	
20	QPSK	1	53	24.05	24.18	24.14			
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0	
20	QPSK	50	28	24.04	24.18	24.12	24.2	1.0	
20	QPSK	50	56	23.08	23.12	23.21			
20	QPSK	100	0	23.02	23.25	23.18			
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0	
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	673	680.5	688
Frequency (MHz)				670.5	680.5	690.5	limit	limit	limit
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	668	680.5	693
Frequency (MHz)				668	680.5	693	limit	limit	limit
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	665.5	680.5	695.5
Frequency (MHz)				665.5	680.5	695.5	limit	limit	limit
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	



n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low	Power Mid	Power High			
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
Channel				506202	518598	528900			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.83	19.96	19.93	21.4	0.0	
100	PI/2 BPSK	1	137	20.60	20.70	20.57			
100	PI/2 BPSK	1	271	19.88	19.96	20.00			
100	PI/2 BPSK	136	0	20.42	20.40	20.36			
100	PI/2 BPSK	135	69	20.54	20.68	20.53	21.4	0.0	
100	PI/2 BPSK	135	138	20.23	20.33	20.19			
100	PI/2 BPSK	270	0	20.41	20.53	20.44			
100	QPSK	1	1	19.79	19.99	19.82			
100	QPSK	1	137	20.53	20.62	20.54	21.4	0.0	
100	QPSK	1	271	19.95	19.98	19.98			
100	QPSK	135	0	20.24	20.39	20.39			
100	QPSK	135	69	20.53	20.59	20.44			
100	QPSK	135	138	20.10	20.22	20.20	21.4	0.0	
100	QPSK	270	0	20.28	20.48	20.35			
100	16QAM	1	1	20.42	20.41	20.47			
100	64QAM	1	1	20.41	20.43	20.50			
100	256QAM	1	1	20.45	20.42	20.50	21.4	0.0	
Channel				506200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	19.82	19.94	19.88	21.4	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	19.80	19.92	19.90	21.4	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	19.80	19.95	19.90	21.4	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	19.82	19.91	19.90	21.4	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	19.78	19.94	19.88	21.4	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	19.81	19.92	19.89	21.4	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	19.82	19.89	19.92	21.4	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	19.79	19.94	19.88	21.4	0.0	

n41_Ant 0(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.48	22.52	22.46	24.4	0.0	
100	PI/2 BPSK	1	137	23.19	23.25	23.17			
100	PI/2 BPSK	1	271	22.34	22.48	22.43			
100	PI/2 BPSK	136	0	23.01	22.97	22.91			
100	PI/2 BPSK	135	69	23.20	23.22	23.12	24.4	0.0	
100	PI/2 BPSK	135	138	22.91	22.94	22.83	24.4	0.0	
100	PI/2 BPSK	270	0	23.00	23.10	22.99			
100	QPSK	1	1	22.35	22.45	22.32			
100	QPSK	1	137	23.14	23.17	23.20			
100	QPSK	1	271	22.36	22.46	22.45	24.4	0.0	
100	QPSK	135	0	22.89	22.96	22.92			
100	QPSK	135	69	23.11	23.19	23.08			
100	QPSK	135	138	22.80	22.84	22.82			
100	QPSK	270	0	22.89	23.01	22.88	24.4	0.0	
100	16QAM	1	1	22.43	22.49	22.36	24.4	0.0	
100	64QAM	1	1	22.16	22.17	22.22	23.9	0.5	
100	256QAM	1	1	21.12	21.16	21.19	21.9	2.5	
Channel				506200	518598	528998			MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98			limit (dB)
90	PI/2 BPSK	1	1	22.44	22.49	22.41	24.4	0.0	
Channel				507204	518598	529998			MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99			limit (dB)
80	PI/2 BPSK	1	1	22.43	22.47	22.45	24.4	0.0	
Channel				506202	518598	531000			MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655			limit (dB)
70	PI/2 BPSK	1	1	22.43	22.49	22.43	24.4	0.0	
Channel				505200	518598	531998			MPR (dB)
Frequency (MHz)				2528	2592.99	2659.99			limit (dB)
60	PI/2 BPSK	1	1	22.43	22.47	22.44	24.4	0.0	
Channel				504204	518598	532998			MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99			limit (dB)
50	PI/2 BPSK	1	1	22.45	22.48	22.44	24.4	0.0	
Channel				503202	518598	534000			MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670			limit (dB)
40	PI/2 BPSK	1	1	22.47	22.48	22.41	24.4	0.0	
Channel				502200	518598	534998			MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98			limit (dB)
30	PI/2 BPSK	1	1	22.43	22.50	22.45	24.4	0.0	
Channel				501204	518598	535998			MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99			limit (dB)
20	PI/2 BPSK	1	1	22.44	22.50	22.44	24.4	0.0	



n77(Part 27Q)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Mid-Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		15.39		17.2	0.0	
100	PI/2 BPSK	1	137		15.21				
100	PI/2 BPSK	1	271		15.38				
100	PI/2 BPSK	136	0		15.96		17.2	0.0	
100	PI/2 BPSK	135	69		16.10		17.2	0.0	
100	PI/2 BPSK	135	138		15.93		17.2	0.0	
100	PI/2 BPSK	270	0		16.01				
100	QPSK	1	1		15.34				
100	QPSK	1	137		16.20		17.2	0.0	
100	QPSK	1	271		15.33				
100	QPSK	135	0		15.92				
100	QPSK	135	69		16.00		17.2	0.0	
100	QPSK	135	138		15.84				
100	QPSK	270	0		15.87				
100	16QAM	1	1		15.35		17.2	0.0	
100	64QAM	1	1		15.35		17.2	0.0	
100	256QAM	1	1		15.37		17.2	0.0	
Channel				633000	633334	633666	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99	time-up limit (dbm)		
90	PI/2 BPSK	1	1		15.33	15.38	15.29	17.2	0.0
Channel				632666	633334	634000	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510	time-up limit (dbm)		
80	PI/2 BPSK	1	1		15.34	15.38	15.32	17.2	0.0
Channel				632334	633334	634332	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98	time-up limit (dbm)		
70	PI/2 BPSK	1	1		15.34	15.34	15.35	17.2	0.0
Channel				632000	633334	634666	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99	time-up limit (dbm)		
60	PI/2 BPSK	1	1		15.35	15.35	15.35	17.2	0.0
Channel				631666	633334	635000	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525	time-up limit (dbm)		
50	PI/2 BPSK	1	1		15.33	15.37	15.35	17.2	0.0
Channel				631334	633334	635332	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98	time-up limit (dbm)		
40	PI/2 BPSK	1	1		15.37	15.35	15.34	17.2	0.0
Channel				631000	633334	635666	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3531.99	time-up limit (dbm)		
30	PI/2 BPSK	1	1		15.31	15.38	15.37	17.2	0.0
Channel				630834	633334	635832	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48	time-up limit (dbm)		
25	PI/2 BPSK	1	1		15.32	15.34	15.35	17.2	0.0
Channel				630666	633334	636000	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540	time-up limit (dbm)		
20	PI/2 BPSK	1	1		15.31	15.36	15.33	17.2	0.0
Channel				630500	633334	636166	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49	time-up limit (dbm)		
15	PI/2 BPSK	1	1		15.34	15.36	15.32	17.2	0.0
Channel				630334	633334	636332	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98	time-up limit (dbm)		
10	PI/2 BPSK	1	1		15.37	15.38	15.29	17.2	0.0

n77(Part 27Q)_Ant 5(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		18.35		20.2	0.0	
100	PI/2 BPSK	1	137		19.24				
100	PI/2 BPSK	1	271		18.33				
100	PI/2 BPSK	136	0		18.95		20.2	0.0	
100	PI/2 BPSK	135	69		19.11		20.2	0.0	
100	PI/2 BPSK	135	138		18.91		20.2	0.0	
100	PI/2 BPSK	270	0		18.99				
100	QPSK	1	1		18.31				
100	QPSK	1	137		19.17		20.2	0.0	
100	QPSK	1	271		18.30				
100	QPSK	135	0		18.91				
100	QPSK	135	69		19.05		20.2	0.0	
100	QPSK	135	138		18.85				
100	QPSK	270	0		18.92				
100	16QAM	1	1		18.35		20.2	0.0	
100	64QAM	1	1		18.34		20.2	0.0	
100	256QAM	1	1		18.38		20.2	0.0	
Channel				633000	633334	633666	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	time-up limit (dBm)		
90	PI/2 BPSK	1	1		18.28	18.31	18.31	20.2	0.0
Channel				632666	633334	634000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	time-up limit (dBm)		
80	PI/2 BPSK	1	1		18.29	18.30	18.29	20.2	0.0
Channel				632334	633334	634332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	time-up limit (dBm)		
70	PI/2 BPSK	1	1		18.27	18.30	18.25	20.2	0.0
Channel				632000	633334	634666	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	time-up limit (dBm)		
60	PI/2 BPSK	1	1		18.28	18.34	18.28	20.2	0.0
Channel				631666	633334	635000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	time-up limit (dBm)		
50	PI/2 BPSK	1	1		18.27	18.30	18.26	20.2	0.0
Channel				631334	633334	635332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	time-up limit (dBm)		
40	PI/2 BPSK	1	1		18.31	18.30	18.32	20.2	0.0
Channel				631000	633334	635666	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3531.99	time-up limit (dBm)		
30	PI/2 BPSK	1	1		18.30	18.33	18.28	20.2	0.0
Channel				630834	633334	635832	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48	time-up limit (dBm)		
25	PI/2 BPSK	1	1		18.28	18.33	18.29	20.2	0.0
Channel				630666	633334	636000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	time-up limit (dBm)		
20	PI/2 BPSK	1	1		18.25	18.31	18.26	20.2	0.0
Channel				630500	633334	636166	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	time-up limit (dBm)		
15	PI/2 BPSK	1	1		18.29	18.32	18.33	20.2	0.0
Channel				630334	633334	636332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	time-up limit (dBm)		
10	PI/2 BPSK	1	1		18.31	18.32	18.29	20.2	0.0



n77(Part 270)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	660000	662000			
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	15.32	15.34	15.33	17.2	0.0	
100	PI/2 BPSK	1	137	16.24	16.28	16.21			
100	PI/2 BPSK	1	271	15.35	15.38	15.38			
100	PI/2 BPSK	135	0	15.93	15.93	15.95			
100	PI/2 BPSK	135	69	16.13	16.26	16.19	17.2	0.0	
100	PI/2 BPSK	135	138	15.90	15.98	15.89	17.2	0.0	
100	PI/2 BPSK	270	0	16.01	16.09	16.03			
100	QPSK	1	1	15.30	15.33	15.34			
100	QPSK	1	137	16.25	16.27	16.18			
100	QPSK	1	271	15.30	15.37	15.34	17.2	0.0	
100	QPSK	135	0	15.95	15.98	15.91			
100	QPSK	135	69	16.14	16.18	16.06			
100	QPSK	135	138	15.90	16.01	15.96			
100	QPSK	270	0	15.95	15.97	15.99	17.2	0.0	
100	16QAM	1	1	15.22	15.33	15.33	17.2	0.0	
100	64QAM	1	1	15.20	15.33	15.25	17.2	0.0	
100	256QAM	1	1	15.25	15.32	15.30	17.2	0.0	
Channel				648668	650000	662332	limit		
Frequency (MHz)				3745.02	3840	3934.98	limit		
90	PI/2 BPSK	1	1	15.29	15.33	15.29	17.2	0.0	
Channel				648334	650000	662666	limit		
Frequency (MHz)				3740.01	3840	3939.99	limit		
80	PI/2 BPSK	1	1	15.31	15.29	15.29	17.2	0.0	
Channel				649000	650000	663000	limit		
Frequency (MHz)				3735	3840	3945	limit		
70	PI/2 BPSK	1	1	15.30	15.30	15.28	17.2	0.0	
Channel				648668	650000	663332	limit		
Frequency (MHz)				3730.02	3840	3949.98	limit		
60	PI/2 BPSK	1	1	15.31	15.29	15.28	17.2	0.0	
Channel				648334	650000	663666	limit		
Frequency (MHz)				3725.01	3840	3954.99	limit		
50	PI/2 BPSK	1	1	15.29	15.33	15.28	17.2	0.0	
Channel				648000	650000	664000	limit		
Frequency (MHz)				3720	3840	3960	limit		
40	PI/2 BPSK	1	1	15.28	15.33	15.30	17.2	0.0	
Channel				647668	650000	664332	limit		
Frequency (MHz)				3715.02	3840	3964.98	limit		
30	PI/2 BPSK	1	1	15.29	15.33	15.29	17.2	0.0	
Channel				647500	650000	664500	limit		
Frequency (MHz)				3712.5	3840	3967.5	limit		
25	PI/2 BPSK	1	1	15.30	15.32	15.30	17.2	0.0	
Channel				647334	650000	664666	limit		
Frequency (MHz)				3710.01	3840	3969.99	limit		
20	PI/2 BPSK	1	1	15.31	15.31	15.28	17.2	0.0	
Channel				647168	650000	664832	limit		
Frequency (MHz)				3707.52	3840	3972.48	limit		
15	PI/2 BPSK	1	1	15.30	15.30	15.32	17.2	0.0	
Channel				647000	650000	665000	limit		
Frequency (MHz)				3705	3840	3975	limit		
10	PI/2 BPSK	1	1	15.30	15.33	15.29	17.2	0.0	

n77(Part 270)_Ant 5(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	660000	662000			
Channel				3750	3840	3930			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.31	18.37	18.29	20.2	0.0	
100	PI/2 BPSK	1	137	19.26	19.30	19.24			
100	PI/2 BPSK	1	271	18.34	18.42	18.39			
100	PI/2 BPSK	135	0	18.92	18.98	18.91			
100	PI/2 BPSK	135	69	19.14	19.22	19.15	20.2	0.0	
100	PI/2 BPSK	135	138	18.95	19.01	18.92	20.2	0.0	
100	PI/2 BPSK	270	0	18.98	19.08	18.98			
100	QPSK	1	1	18.30	18.35	18.31			
100	QPSK	1	137	19.21	19.24	19.20			
100	QPSK	1	271	18.34	18.39	18.32	20.2	0.0	
100	QPSK	135	0	18.92	18.95	18.86			
100	QPSK	135	69	19.09	19.16	19.08			
100	QPSK	135	138	18.90	19.00	18.96			
100	QPSK	270	0	18.92	19.01	18.95	20.2	0.0	
100	16QAM	1	1	18.26	18.31	18.28	20.2	0.0	
100	64QAM	1	1	18.25	18.30	18.27	20.2	0.0	
100	256QAM	1	1	18.25	18.28	18.25	20.2	0.0	
Channel				649668	650000	662332	limit		
Frequency (MHz)				3745.02	3840	3934.98	limit		
90	PI/2 BPSK	1	1	18.27	18.34	18.26	20.2	0.0	
Channel				648334	650000	662666	limit		
Frequency (MHz)				3740.01	3840	3939.99	limit		
80	PI/2 BPSK	1	1	18.26	18.32	18.26	20.2	0.0	
Channel				649000	650000	663000	limit		
Frequency (MHz)				3735	3840	3945	limit		
70	PI/2 BPSK	1	1	18.26	18.30	18.24	20.2	0.0	
Channel				648668	650000	663332	limit		
Frequency (MHz)				3730.02	3840	3949.98	limit		
60	PI/2 BPSK	1	1	18.26	18.36	18.26	20.2	0.0	
Channel				648334	650000	663666	limit		
Frequency (MHz)				3725.01	3840	3954.99	limit		
50	PI/2 BPSK	1	1	18.26	18.30	18.24	20.2	0.0	
Channel				648000	650000	664000	limit		
Frequency (MHz)				3720	3840	3960	limit		
40	PI/2 BPSK	1	1	18.30	18.33	18.25	20.2	0.0	
Channel				647668	650000	664332	limit		
Frequency (MHz)				3715.02	3840	3964.98	limit		
30	PI/2 BPSK	1	1	18.29	18.33	18.26	20.2	0.0	
Channel				647500	650000	664500	limit		
Frequency (MHz)				3712.5	3840	3967.5	limit		
25	PI/2 BPSK	1	1	18.27	18.35	18.27	20.2	0.0	
Channel				647334	650000	664666	limit		
Frequency (MHz)				3710.01	3840	3969.99	limit		
20	PI/2 BPSK	1	1	18.28	18.35	18.28	20.2	0.0	
Channel				647168	650000	664832	limit		
Frequency (MHz)				3707.52	3840	3972.48	limit		
15	PI/2 BPSK	1	1	18.26	18.35	18.28	20.2	0.0	
Channel				647000	650000	665000	limit		
Frequency (MHz)				3705	3840	3975	limit		
10	PI/2 BPSK	1	1	18.28	18.33	18.28	20.2	0.0	



Conducted Power for DSI 1

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				372000	376000	380000		
Channel				1850	1880	1900	21.7	0.0
Frequency (MHz)				1850	1880	1900		
20	PI/2 BPSK	1	1	20.53	20.55	20.51		
20	PI/2 BPSK	1	53	20.58	20.59	20.60	21.7	0.0
20	PI/2 BPSK	1	104	20.54	20.57	20.47		
20	PI/2 BPSK	50	0	20.46	20.52	20.51		
20	PI/2 BPSK	50	28	20.57	20.67	20.58	21.7	0.0
20	PI/2 BPSK	50	56	20.60	20.66	20.52		
20	PI/2 BPSK	100	0	20.61	20.65	20.63		
20	QPSK	1	1	20.46	20.48	20.45	21.7	0.0
20	QPSK	1	53	20.64	20.61	20.51		
20	QPSK	1	104	20.46	20.52	20.48		
20	QPSK	50	0	20.50	20.57	20.58	21.7	0.0
20	QPSK	50	28	20.64	20.65	20.54		
20	QPSK	50	56	20.52	20.64	20.55		
20	QPSK	100	0	20.55	20.63	20.55	21.7	0.0
20	16QAM	1	1	20.13	20.19	20.16		
20	64QAM	1	1	20.17	20.24	20.16		
20	256QAM	1	1	19.83	19.85	19.81	20.2	1.5
Channel				371500	376000	380500	1850	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	limit	
15	PI/2 BPSK	1	1	20.43	20.52	20.44	21.7	0.0
Channel				371000	376000	381000	1855	MPR (dB)
Frequency (MHz)				1855	1880	1905	limit	
10	PI/2 BPSK	1	1	20.45	20.53	20.45	21.7	0.0
Channel				370500	376000	381500	1852.5	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	limit	
5	PI/2 BPSK	1	1	20.49	20.50	20.41	21.7	0.0

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				372000	376000	380000		
Channel				1860	1880	1900	22.7	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.38	21.41	21.25		
20	PI/2 BPSK	1	53	21.47	21.54	21.44	22.2	0.5
20	PI/2 BPSK	1	104	21.43	21.42	21.22		
20	PI/2 BPSK	50	0	21.46	21.46	21.38		
20	PI/2 BPSK	50	28	21.51	21.52	21.42	22.2	0.5
20	PI/2 BPSK	50	56	21.46	21.47	21.38		
20	PI/2 BPSK	100	0	21.48	21.51	21.45		
20	QPSK	1	1	21.41	21.46	21.28	22.7	0.0
20	QPSK	1	53	21.46	21.50	21.38		
20	QPSK	1	104	21.42	21.36	21.25		
5	QPSK	50	0	21.47	21.43	21.42	21.7	1.0
20	QPSK	50	28	21.51	21.52	21.41		
20	QPSK	50	56	21.49	21.53	21.38		
20	QPSK	100	0	21.51	21.51	21.42	21.7	1.0
20	16QAM	1	1	21.11	21.17	21.03		
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5
Channel				371500	376000	380500	1857.5	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	limit	
15	PI/2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0
Channel				371000	376000	381000	1855	MPR (dB)
Frequency (MHz)				1855	1880	1905	limit	
10	PI/2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0
Channel				370500	376000	381500	1852.5	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	limit	
5	PI/2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				374000	376500	379000			
			Channel	1870	1882.5	1895			
			Frequency (MHz)	1870	1882.5	1895			
40	PI/2 BPSK	1	1	20.48	20.48	20.52	21.7	0.0	
40	PI/2 BPSK	1	108	20.97	21.04	20.95			
40	PI/2 BPSK	1	214	20.36	20.50	20.42			
40	PI/2 BPSK	108	0	20.95	20.88	20.90	21.7	0.0	
40	PI/2 BPSK	108	54	20.90	21.00	20.95	21.7	0.0	
40	PI/2 BPSK	108	108	20.80	20.91	20.83	21.7	0.0	
40	PI/2 BPSK	216	0	20.67	20.90	20.86			
40	QPSK	1	1	20.45	20.50	20.44			
40	QPSK	1	108	20.84	21.02	20.96	21.7	0.0	
40	QPSK	1	214	20.32	20.51	20.37			
40	QPSK	108	0	20.85	20.87	20.85			
40	QPSK	108	54	20.81	20.93	20.96	21.7	0.0	
40	QPSK	108	108	20.81	20.88	20.75			
40	QPSK	216	0	20.86	20.87	20.85			
40	16QAM	1	1	20.20	20.25	20.28	21.7	0.0	
40	64QAM	1	1	20.27	20.31	20.29			
40	256QAM	1	1	19.14	19.25	19.29			
			Channel	373000	376500	380000	limit (dBm)	limit (dBm)	limit (dBm)
			Frequency (MHz)	1865	1882.5	1900	limit (dBm)	limit (dBm)	limit (dBm)
30	PI/2 BPSK	1	1	20.39	20.43	20.49	21.7	0.0	
			Channel	372500	376500	380500	limit (dBm)	limit (dBm)	limit (dBm)
			Frequency (MHz)	1862.5	1882.5	1902.5	limit (dBm)	limit (dBm)	limit (dBm)
25	PI/2 BPSK	1	1	20.38	20.45	20.46	21.7	0.0	
			Channel	372000	376500	381000	limit (dBm)	limit (dBm)	limit (dBm)
			Frequency (MHz)	1860	1882.5	1905	limit (dBm)	limit (dBm)	limit (dBm)
20	PI/2 BPSK	1	1	20.44	20.47	20.46	21.7	0.0	
			Channel	371500	376500	381500	limit (dBm)	limit (dBm)	limit (dBm)
			Frequency (MHz)	1857.5	1882.5	1907.5	limit (dBm)	limit (dBm)	limit (dBm)
15	PI/2 BPSK	1	1	20.45	20.43	20.45	21.7	0.0	
			Channel	371000	376500	382000	limit (dBm)	limit (dBm)	limit (dBm)
			Frequency (MHz)	1855	1882.5	1910	limit (dBm)	limit (dBm)	limit (dBm)
10	PI/2 BPSK	1	1	20.38	20.43	20.48	21.7	0.0	
			Channel	370500	376500	382500	limit (dBm)	limit (dBm)	limit (dBm)
			Frequency (MHz)	1852.5	1882.5	1912.5	limit (dBm)	limit (dBm)	limit (dBm)
5	PI/2 BPSK	1	1	20.40	20.47	20.46	21.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				374000	376500	379000			
Channel				1870	1882.5	1895			
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	21.31	21.36	21.38	22.7	0.0	
40	PI/2 BPSK	1	108	21.86	21.89	21.88			
40	PI/2 BPSK	1	214	21.29	21.31	21.35			
40	PI/2 BPSK	108	0	21.81	21.82	21.85	22.2	0.5	
40	PI/2 BPSK	108	54	21.85	21.88	21.87			
40	PI/2 BPSK	108	108	21.82	21.72	21.71			
40	PI/2 BPSK	216	0	21.76	21.79	21.75	22.2	0.5	
40	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.88	21.87			
40	QPSK	1	214	21.35	21.33	21.31	21.7	1.0	
40	QPSK	108	0	21.28	21.30	21.28			
40	QPSK	108	54	21.83	21.87	21.86			
40	QPSK	108	108	21.28	21.24	21.22	21.7	1.0	
40	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60			
40	64QAM	1	1	19.13	19.19	19.17	20.2	2.5	
40	256QAM	1	1	17.71	17.79	17.76	18.2	4.5	
Channel				373000	376500	380000	19.13	19.19	19.17
Frequency (MHz)				1865	1882.5	1900	limit (dBm)	limit (dBm)	limit (dBm)
30	PI/2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
30	PI/2 BPSK	1	108	21.86	21.87	21.85			
30	PI/2 BPSK	1	214	21.31	21.33	21.35			
Channel				372500	376500	380500	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	limit (dBm)	limit (dBm)	limit (dBm)
25	PI/2 BPSK	1	1	21.69	21.74	21.72	22.7	0.0	
25	PI/2 BPSK	1	108	21.86	21.87	21.85			
25	PI/2 BPSK	1	214	21.31	21.33	21.35			
Channel				372000	376500	381000	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1860	1882.5	1905	limit (dBm)	limit (dBm)	limit (dBm)
20	PI/2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
20	PI/2 BPSK	1	108	21.86	21.87	21.85			
20	PI/2 BPSK	1	214	21.31	21.33	21.35			
Channel				371500	376500	381500	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	limit (dBm)	limit (dBm)	limit (dBm)
15	PI/2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
15	PI/2 BPSK	1	108	21.86	21.87	21.85			
15	PI/2 BPSK	1	214	21.31	21.33	21.35			
Channel				371000	376500	382000	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1855	1882.5	1910	limit (dBm)	limit (dBm)	limit (dBm)
10	PI/2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
10	PI/2 BPSK	1	108	21.86	21.87	21.85			
10	PI/2 BPSK	1	214	21.31	21.33	21.35			
Channel				370500	376500	382500	limit (dBm)	limit (dBm)	limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	limit (dBm)	limit (dBm)	limit (dBm)
5	PI/2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	



n66_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)			
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.					
				346000	349000	352000					
			Channel	1730	1745	1760					
			Frequency (MHz)	1	21.81	21.89	21.85				
40	PI/2 BPSK	1	1	21.80	22.30	22.30	22.31	23.2	0.0		
40	PI/2 BPSK	1	108	21.74	21.84	21.89					
40	PI/2 BPSK	1	214	21.74	21.84	21.89					
40	PI/2 BPSK	108	0	22.02	22.15	22.08	23.2	0.0			
40	PI/2 BPSK	108	54	22.23	22.38	22.27	23.2	0.0			
40	PI/2 BPSK	108	108	21.96	22.01	21.95	23.2	0.0			
40	PI/2 BPSK	216	0	21.99	22.02	21.99					
40	QPSK	1	1	21.73	21.84	21.84					
40	QPSK	1	108	22.29	22.37	22.23	23.2	0.0			
40	QPSK	1	214	21.68	21.77	21.74					
40	QPSK	108	0	22.10	22.16	22.01	23.2	0.0			
40	QPSK	108	54	22.26	22.34	22.19	23.2	0.0			
40	QPSK	108	108	21.97	22.06	22.00	23.2	0.0			
40	QPSK	216	0	21.98	22.03	22.03					
40	16QAM	1	1	21.52	21.67	21.60	23.2	0.0			
40	64QAM	1	1	20.55	20.48	20.53	22.2	1.0			
40	256QAM	1	1	19.25	19.18	19.10	20.2	3.0			
			Channel	345000	349000	353000	1725 limit (dbm)		MPR	(db)	
			Frequency (MHz)	1	1725	1745	1765				
30	PI/2 BPSK	1	1	21.73	21.84	21.77	23.2	0.0			
			Channel	344500	349000	353500	1720 limit (dbm)		MPR	(db)	
			Frequency (MHz)	1	1722.5	1745	1767.5				
25	PI/2 BPSK	1	1	21.74	21.84	21.80	23.2	0.0			
			Channel	344000	349000	354000	1715 limit (dbm)		MPR	(db)	
			Frequency (MHz)	1	1720	1745	1770				
20	PI/2 BPSK	1	1	21.75	21.88	21.79	23.2	0.0			
			Channel	343500	349000	354500	1710 limit (dbm)		MPR	(db)	
			Frequency (MHz)	1	1717.5	1745	1772.5				
15	PI/2 BPSK	1	1	21.78	21.84	21.79	23.2	0.0			
			Channel	343000	349000	355000	1710 limit (dbm)		MPR	(db)	
			Frequency (MHz)	1	1715	1745	1775				
10	PI/2 BPSK	1	1	21.75	21.87	21.75	23.2	0.0			
			Channel	342500	349000	355500	1712.5 limit (dbm)		MPR	(db)	
			Frequency (MHz)	1	1712.5	1745	1777.5				
5	PI/2 BPSK	1	1	21.77	21.85	21.81	23.2	0.0			

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5	
20	PI/2 BPSK	50	28	24.13	24.18	24.15	24.7	0.5	
20	PI/2 BPSK	50	56	23.62	23.63	23.72			
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.98	24.07	24.01	25.2	0.0	
20	QPSK	1	53	24.11	24.17	24.15			
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0	
20	QPSK	50	28	24.12	24.16	24.14	24.2	1.0	
20	QPSK	50	56	23.10	23.09	23.21			
20	QPSK	100	0	23.08	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0	
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	134100 limit (dbm)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	133600 limit (dbm)	MPR	
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	133100 limit (dbm)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	

Conducted Power for DSI 6

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1880	1880	1900			
20	PI/2 BPSK	1	1	19.55	19.54	19.47	20.7	0.0	
20	PI/2 BPSK	1	53	19.64	19.68	19.60			
20	PI/2 BPSK	1	104	19.55	19.60	19.48			
20	PI/2 BPSK	50	0	19.47	19.62	19.50	20.7	0.0	
20	PI/2 BPSK	50	28	19.57	19.67	19.51	20.7	0.0	
20	PI/2 BPSK	50	56	19.54	19.65	19.49	20.7	0.0	
20	PI/2 BPSK	100	0	19.53	19.64	19.63	20.7	0.0	
20	QPSK	1	1	19.42	19.47	19.49			
20	QPSK	1	53	19.82	19.86	19.80			
20	QPSK	1	104	19.43	19.49	19.43	20.7	0.0	
20	QPSK	50	0	19.56	19.55	19.49	20.7	0.0	
20	QPSK	50	28	19.64	19.59	19.59	20.7	0.0	
20	QPSK	50	56	19.59	19.63	19.55	20.7	0.0	
20	QPSK	100	0	19.55	19.62	19.61	20.7	0.0	
20	16QAM	1	1	19.15	19.22	19.17			
20	64QAM	1	1	19.12	19.20	19.13			
20	256QAM	1	1	19.34	19.37	19.21	20.2	0.5	
Channel				371500	376000	380500	limit (dbm)	MPR (db)	
Frequency (MHz)				1887.5	1890	1902.5			
15	PI/2 BPSK	1	1	19.40	19.45	19.33	20.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1885	1890	1900			
10	PI/2 BPSK	1	1	19.45	19.48	19.38	20.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1882.5 <td>1890</td> <td>1907.5</td> <th></th> <th></th> <th></th>	1890	1907.5			
5	PI/2 BPSK	1	1	19.45	19.48	19.37	20.7	0.0	

n2_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (edbm)			Tune-up limit (edbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1880	1880	1880			
20	PI/2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	PI/2 BPSK	1	53	21.47	21.54	21.44			
20	PI/2 BPSK	1	104	21.43	21.42	21.22			
20	PI/2 BPSK	50	0	21.46	21.46	21.38	22.2	0.5	
20	PI/2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	PI/2 BPSK	50	56	21.46	21.47	21.38	22.2	0.5	
20	PI/2 BPSK	100	0	21.46	21.51	21.45	22.7	0.0	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.36			
20	QPSK	1	104	21.42	21.36	21.25	21.7	1.0	
5	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	28	21.51	21.52	21.41	22.7	0.0	
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42	21.7	1.0	
20	16QAM	1	1	21.11	21.17	21.03	20.7	0.0	
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5	
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500	limit (dbm)	MPR (db)	
Frequency (MHz)				1887.5	1890	1902.5			
15	PI/2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	tuneup limit (dbm)	MPR (db)	
Frequency (MHz)				1885	1890	1905			
10	PI/2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	tuneup limit (dbm)	MPR (db)	
Frequency (MHz)				1882.5	1890	1907.5			
5	PI/2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	19.49	19.53	19.49	20.7	0.0	
40	PI/2 BPSK	1	108	20.04	20.06	20.01			
40	PI/2 BPSK	1	214	19.48	19.48	19.37			
40	PI/2 BPSK	108	0	19.97	19.98	19.93	20.7	0.0	
40	PI/2 BPSK	108	54	20.01	20.01	19.93	20.7	0.0	
40	PI/2 BPSK	108	108	19.97	19.91	19.84	20.7	0.0	
40	PI/2 BPSK	216	0	19.93	19.96	19.93	20.7	0.0	
40	QPSK	1	1	19.53	19.58	19.42			
40	QPSK	1	108	19.94	20.03	19.96			
40	QPSK	1	214	19.39	19.52	19.44	20.7	0.0	
40	QPSK	108	0	19.93	19.99	19.90	20.7	0.0	
40	QPSK	108	54	19.87	20.01	19.92	20.7	0.0	
40	QPSK	108	108	19.89	19.96	19.88	20.7	0.0	
40	QPSK	216	0	19.90	19.92	19.86	20.7	0.0	
40	16QAM	1	1	19.28	19.35	19.34			
40	64QAM	1	1	19.38	19.39	19.29			
40	256QAM	1	1	19.19	19.27	19.33	20.2	0.5	
Channel				373000	376500	380000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1882.5	1900			
30	PI/2 BPSK	1	1	19.42	19.50	19.42	20.7	0.0	
Channel				372500	376500	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	PI/2 BPSK	1	1	19.42	19.50	19.40	20.7	0.0	
Channel				372000	376500	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1860	1882.5	1905			
20	PI/2 BPSK	1	1	19.43	19.49	19.39	20.7	0.0	
Channel				371500	376500	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	PI/2 BPSK	1	1	19.39	19.48	19.42	20.7	0.0	
Channel				371000	376500	382000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1855	1882.5	1910			
10	PI/2 BPSK	1	1	19.44	19.51	19.41	20.7	0.0	
Channel				370500	376500	382500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	PI/2 BPSK	1	1	19.42	19.52	19.42	20.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1892.5	1915			
40	P12 BPSK	1	1	21.31	21.36	21.38	22.7	0.0	
40	P12 BPSK	1	108	21.88	21.89	21.88			
40	P12 BPSK	1	214	21.29	21.31	21.35	22.2	0.5	
40	P12 BPSK	108	0	21.81	21.82	21.85			
40	P12 BPSK	108	54	21.85	21.78	21.87	22.7	0.0	
40	P12 BPSK	108	108	21.82	21.72	21.71			
40	P12 BPSK	216	0	21.76	21.79	21.75	22.2	0.5	
40	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.86	21.87	22.7	0.0	
40	QPSK	1	214	21.35	21.33	21.31			
40	QPSK	108	0	21.28	21.30	21.28	21.7	1.0	
40	QPSK	108	54	21.83	21.87	21.86			
40	QPSK	108	108	21.28	21.24	21.22	21.7	1.0	
40	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60	21.7	1.0	
40	64QAM	1	1	19.13	19.19	19.17			
40	256QAM	1	1	17.71	17.79	17.78	18.2	4.5	
Channel				373000	376500	380000	limit	MPR	
Frequency (MHz)				1885	1892.5	1900			
30	P12 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
Channel				372500	376500	380500	tune-up limit (dbm)	MPR	
Frequency (MHz)				1892.5	1892.5	1902.5			
25	P12 BPSK	1	1	21.60	21.74	21.72	22.7	0.0	
Channel				372000	376500	381000	tune-up limit (dbm)	MPR	
Frequency (MHz)				1880	1882.5	1905			
20	P12 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
Channel				371500	376500	381500	limit	MPR	
Frequency (MHz)				1867.5	1882.5	1907.5			
15	P12 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
Channel				371000	376500	382000	tune-up limit (dbm)	MPR	
Frequency (MHz)				1865	1882.5	1910			
10	P12 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
Channel				370500	376500	382500	tune-up limit (dbm)	MPR	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	P12 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	P12 BPSK	1	1	19.82	19.80	19.78	21.2	0.0	
40	P12 BPSK	1	108	20.34	20.39	20.33			
40	P12 BPSK	1	214	19.77	19.77	19.76	21.2	0.0	
40	P12 BPSK	108	0	20.04	20.16	20.12			
40	P12 BPSK	108	54	20.29	20.31	20.28	21.2	0.0	
40	P12 BPSK	108	108	20.02	20.07	19.96			
40	P12 BPSK	216	0	20.02	20.11	19.99	21.2	0.0	
40	QPSK	1	1	19.83	19.78	19.79			
40	QPSK	1	108	20.21	20.31	20.24	21.2	0.0	
40	QPSK	1	214	19.70	19.79	19.74			
40	QPSK	108	0	20.11	20.13	20.08	21.2	0.0	
40	QPSK	108	54	20.26	20.33	20.17			
40	QPSK	108	108	19.99	20.01	20.03	21.2	0.0	
40	QPSK	216	0	19.97	20.01	20.02			
40	16QAM	1	1	19.55	19.64	19.57	21.2	0.0	
40	64QAM	1	1	19.55	19.67	19.55			
40	256QAM	1	1	19.26	19.19	19.17	20.2	1.0	
Channel				345000	349000	353000	limit	MPR	
Frequency (MHz)				1725	1745	1765	tune-up limit (dBm)	MPR (dB)	
30	P12 BPSK	1	1	19.76	19.78	19.72	21.2	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	tune-up limit (dBm)	MPR (dB)	
25	P12 BPSK	1	1	19.72	19.75	19.72	21.2	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	tune-up limit (dBm)	MPR (dB)	
20	P12 BPSK	1	1	19.74	19.79	19.69	21.2	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	tune-up limit (dBm)	MPR (dB)	
15	P12 BPSK	1	1	19.75	19.77	19.75	21.2	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	tune-up limit (dBm)	MPR (dB)	
10	P12 BPSK	1	1	19.76	19.76	19.74	21.2	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	tune-up limit (dBm)	MPR (dB)	
5	P12 BPSK	1	1	19.79	19.79	19.73	21.2	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.			
Channel				134100	136100	138100			
Frequency (MHz)				660	660.5	668			
20	P12 BPSK	1	1	24.00	24.08	24.01	25.2	0.0	
20	P12 BPSK	1	53	24.14	24.19	24.16			
20	P12 BPSK	1	104	23.99	24.08	24.02	24.7	0.5	
20	P12 BPSK	50	0	23.58	23.68	23.67			
20	P12 BPSK	50	28	24.13	24.18	24.15	24.7	0.5	
20	P12 BPSK	50	56	23.62	23.63	23.72			
20	P12 BPSK	100	0	23.81	23.77	23.70	25.2	0.0	
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	24.2	1.0	
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0	
20	QPSK	50	28	24.12	24.16	24.14			
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.09	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0	
20	64QAM	1	1	21.33	21.41	21.35			
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	tune-up limit (dBm)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	P12 BPSK	1	1	24.06 <td>24.08<td>24.04</td><td>25.2</td><td>0.0</td><td></td></td>	24.08 <td>24.04</td> <td>25.2</td> <td>0.0</td> <td></td>	24.04	25.2	0.0	
Channel				132500	134100	135700	tune-up limit (dBm)	MPR	
Frequency (MHz)				666	680.5	693			
10	P12 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	tune-up limit (dBm)	MPR	
Frequency (MHz)				665.5	660.5	665.5			
5	P12 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	

Conducted Power for DSI 4

n2_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0
20	PI/2 BPSK	1	53	23.59	23.66	23.54		
20	PI/2 BPSK	1	104	23.54	23.55	23.42		
20	PI/2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5
20	PI/2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0
20	PI/2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5
20	PI/2 BPSK	100	0	23.60	23.63	23.52		
20	QPSK	1	1	23.48	23.52	23.42		
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0
20	QPSK	1	104	23.48	23.52	23.39	23.7	1.0
20	QPSK	50	0	23.09	23.06	23.01		
20	QPSK	50	28	23.61	23.63	23.61		
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0
20	64QAM	1	1	21.28	21.31	21.16	22.2	2.5
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	24.7	0.0
15	PI/2 BPSK	1	1	23.51	23.56	23.53	24.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905	24.7	0.0
10	PI/2 BPSK	1	1	23.38	23.41	23.34	24.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	24.7	0.0
5	PI/2 BPSK	1	1	23.59	23.62	23.58	24.7	0.0

n2_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.47	23.47	23.35	24.7	0.0
20	PI/2 BPSK	1	53	23.56	23.62	23.47		
20	PI/2 BPSK	1	104	23.50	23.52	23.33		
20	PI/2 BPSK	50	0	23.55	23.56	23.46	24.2	0.5
20	PI/2 BPSK	50	28	23.57	23.61	23.51	24.7	0.0
20	PI/2 BPSK	50	56	23.56	23.59	23.46	24.2	0.5
20	PI/2 BPSK	100	0	23.58	23.60	23.48		
20	QPSK	1	1	23.44	23.46	23.32		
20	QPSK	1	53	23.52	23.58	23.45	24.7	0.0
20	QPSK	1	104	23.43	23.46	23.28	23.7	1.0
20	QPSK	50	0	23.04	23.05	22.99		
20	QPSK	50	28	23.59	23.57	23.45		
20	QPSK	50	56	23.05	23.12	22.98	23.7	1.0
20	QPSK	100	0	23.12	23.11	23.00	23.7	1.0
20	16QAM	1	1	22.84	22.72	22.59	23.7	1.0
20	64QAM	1	1	21.23	21.23	21.12	22.2	2.5
20	256QAM	1	1	19.81	19.85	19.66	20.2	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	24.7	0.0
15	PI/2 BPSK	1	1	23.46	23.52	23.47	24.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905	24.7	0.0
10	PI/2 BPSK	1	1	23.28	23.34	23.29	24.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	24.7	0.0
5	PI/2 BPSK	1	1	23.48	23.56	23.50	24.7	0.0

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Mid Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0
20	PI/2 BPSK	1	53	21.47	21.54	21.44		
20	PI/2 BPSK	1	104	21.43	21.42	21.22		
20	PI/2 BPSK	50	0	21.46	21.46	21.38	22.2	0.5
20	PI/2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0
20	PI/2 BPSK	50	56	21.46	21.47	21.38	22.2	0.5
20	PI/2 BPSK	100	0	21.48	21.51	21.45		
20	QPSK	1	1	21.41	21.46	21.28		
20	QPSK	1	53	21.46	21.50	21.38	22.7	0.0
20	QPSK	1	104	21.42	21.36	21.25	21.7	1.0
20	QPSK	50	0	21.47	21.43	21.42		
20	QPSK	50	28	21.51	21.52	21.41		
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0
20	QPSK	100	0	21.51	21.51	21.42	21.7	1.0
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	22.7	0.0
15	PI/2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905	22.7	0.0
10	PI/2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	22.7	0.0
5	PI/2 BPSK	1	1	21.48	21.47	21.41	22.7	0.0

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1670	1682.5	1695			
40	PI/2 BPSK	1	1	23.38	23.49	23.45	24.7	0.0	
40	PI/2 BPSK	1	108	23.98	24.04	24.02			
40	PI/2 BPSK	1	214	23.47	23.48	23.53			
40	PI/2 BPSK	108	0	23.37	23.45	23.45	24.2	0.5	
40	PI/2 BPSK	108	54	24.01	24.02	24.01	24.7	0.0	
40	PI/2 BPSK	108	108	23.34	23.44	23.38	24.2	0.5	
40	PI/2 BPSK	216	0	23.41	23.45	23.42			
40	QPSK	1	1	23.48	23.45	23.45			
40	QPSK	1	108	23.95	24.01	24.00	24.7	0.0	
40	QPSK	1	214	23.45	23.47	23.51	23.7	1.0	
40	QPSK	108	0	22.86	22.95	22.94			
40	QPSK	108	54	23.98	24.01	24.01			
40	QPSK	108	108	22.85	22.94	22.83	23.7	1.0	
40	QPSK	216	0	22.84	22.83	22.92			
40	16QAM	1	1	22.15	22.21	22.20	23.7	1.0	
40	64QAM	1	1	20.68	20.76	20.73	22.2	2.5	
40	256QAM	1	1	19.28	19.31	19.30	20.2	4.5	
Channel				373000	376500	380000	1670-1695 limit (dbm)	MPR	
Frequency (MHz)				1665	1682.5	1690			
30	PI/2 BPSK	1	1	23.69	23.62	23.58	24.7	0.0	
Channel				372000	376500	380500	1660-1695 limit (dbm)	MPR	
Frequency (MHz)				1662.5	1682.5	1692.5			
25	PI/2 BPSK	1	1	23.81	23.88	23.81	24.7	0.0	
Channel				372000	376500	381000	1660-1695 limit (dbm)	MPR	
Frequency (MHz)				1660	1682.5	1695			
20	PI/2 BPSK	1	1	23.93	23.98	23.92	24.7	0.0	
Channel				371500	376500	381500	1655-1695 limit (dbm)	MPR	
Frequency (MHz)				1657.5	1682.5	1697.5			
15	PI/2 BPSK	1	1	23.90	24.02	23.94	24.7	0.0	
Channel				371000	376500	382000	1655-1695 limit (dbm)	MPR	
Frequency (MHz)				1655	1682.5	1690			
10	PI/2 BPSK	1	1	23.96	23.98	23.91	24.7	0.0	
Channel				370500	376500	382500	1650-1695 limit (dbm)	MPR	
Frequency (MHz)				1652.5	1682.5	1912.5			
5	PI/2 BPSK	1	1	23.90	24.01	23.93	24.7	0.0	

n25_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1670	1682.5	1695			
40	PI/2 BPSK	1	1	23.35	23.48	23.45	24.7	0.0	
40	PI/2 BPSK	1	108	23.94	24.00	23.97			
40	PI/2 BPSK	1	214	23.45	23.45	23.44			
40	PI/2 BPSK	108	0	23.38	23.38	23.34	24.2	0.5	
40	PI/2 BPSK	108	54	23.93	23.98	23.95	24.7	0.0	
40	PI/2 BPSK	108	108	23.43	23.29	23.33	24.2	0.5	
40	PI/2 BPSK	216	0	23.38	23.40	23.36			
40	QPSK	1	1	23.31	23.43	23.42			
40	QPSK	1	108	23.92	23.98	23.95	24.7	0.0	
40	QPSK	1	214	23.38	23.41	23.43	23.7	1.0	
40	QPSK	108	0	22.86	22.89	22.83			
40	QPSK	108	54	23.91	23.95	23.92			
40	QPSK	108	108	22.91	22.79	22.78	23.7	1.0	
40	QPSK	216	0	22.88	22.82	22.82			
40	16QAM	1	1	22.08	22.18	22.15	23.7	1.0	
40	64QAM	1	1	20.62	20.73	20.68	22.2	2.5	
40	256QAM	1	1	19.24	19.32	19.30	20.2	4.5	
Channel				373000	376500	380000	1670-1695 limit (dBm)	MPR	
Frequency (MHz)				1665	1682.5	1690			
30	PI/2 BPSK	1	1	23.69	23.62	23.61	24.7	0.0	
Channel				372000	376500	380500	1660-1695 limit (dBm)	MPR	
Frequency (MHz)				1662.5	1682.5	1692.5			
25	PI/2 BPSK	1	1	23.75	23.81	23.74	24.7	0.0	
Channel				372000	376500	381000	1660-1695 limit (dBm)	MPR	
Frequency (MHz)				1660	1682.5	1695			
20	PI/2 BPSK	1	1	23.94	23.98	23.97	24.7	0.0	
Channel				371500	376500	381500	1655-1695 limit (dBm)	MPR	
Frequency (MHz)				1657.5	1682.5	1697.5			
15	PI/2 BPSK	1	1	23.96	23.99	23.98	24.7	0.0	
Channel				371000	376500	382000	1655-1695 limit (dBm)	MPR	
Frequency (MHz)				1655	1682.5	1690			
10	PI/2 BPSK	1	1	23.88	23.91	23.86	24.7	0.0	
Channel				370500	376500	382500	1650-1695 limit (dBm)	MPR	
Frequency (MHz)				1652.5	1682.5	1912.5			
5	PI/2 BPSK	1	1	23.94	23.98	23.94	24.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1670	1682.5	1695			
40	PI/2 BPSK	1	1	21.31	21.38	21.38	22.7	0.0	
40	PI/2 BPSK	1	108	21.86	21.89	21.88			
40	PI/2 BPSK	1	214	21.29	21.31	21.35			
40	PI/2 BPSK	108	0	21.81	21.82	21.85	22.2	0.5	
40	PI/2 BPSK	108	54	21.85	21.88	21.87	22.7	0.0	
40	PI/2 BPSK	108	108	21.82	21.72	21.71	22.2	0.5	
40	PI/2 BPSK	216	0	21.76	21.79	21.75			
40	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.88	21.87	22.7	0.0	
40	QPSK	1	214	21.35	21.33	21.31	21.7	1.0	
40	QPSK	108	0	21.28	21.30	21.28			
40	QPSK	108	54	21.83	21.87	21.86			
40	QPSK	108	108	21.28	21.24	21.22	21.7	1.0	
40	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60	21.7	1.0	
40	64QAM	1	1	19.13	19.19	19.17	20.2	2.5	
40	256QAM	1	1	17.71	17.76	17.76	18.2	4.5	
Channel				373000	376500	380000	1670-1695 limit (dbm)	MPR	
Frequency (MHz)				1665	1682.5	1690			
30	PI/2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
Channel				372000	376500	380500	1660-1695 limit (dbm)	MPR	
Frequency (MHz)				1662.5	1682.5	1692.5			
25	PI/2 BPSK	1	1	21.69	21.74	21.72	22.7	0.0	
Channel				372000	376500	381000	1660-1695 limit (dbm)	MPR	
Frequency (MHz)				1660	1682.5	1695			
20	PI/2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
Channel				371500	376500	381500	1655-1695 limit (dbm)	MPR	
Frequency (MHz)				1657.5	1682.5	1697.5			
15	PI/2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
Channel				371000	376500	382000	1655-1695 limit (dbm)	MPR	
Frequency (MHz)				1655	1682.5	1690			
10	PI/2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
Channel				370500	376500	382500	1650-1695 limit (dbm)	MPR	
Frequency (MHz)				1652.5	1682.5	1912.5			
5	PI/2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
			Channel	346000	349000	352000			
			Frequency (MHz)	1720	1745	1760			
40	PV2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0	
40	PV2 BPSK	1	108	23.95	23.98	23.91			
40	PV2 BPSK	1	214	23.35	23.38	23.34			
40	PV2 BPSK	108	0	23.38	23.32	23.35	24.2	0.5	
40	PV2 BPSK	108	54	23.94	23.95	23.92	24.7	0.0	
40	PV2 BPSK	108	108	23.54	23.22	23.54	24.2	0.5	
40	PV2 BPSK	216	0	23.48	23.50	23.42			
40	QPSK	1	1	23.51	23.38	23.38			
40	QPSK	1	108	23.94	23.92	23.89	24.7	0.0	
40	QPSK	1	214	23.38	23.35	23.31	23.7	1.0	
40	QPSK	108	0	22.85	22.81	22.84			
40	QPSK	108	54	23.92	23.94	23.91			
40	QPSK	108	108	23.02	22.68	23.00	23.7	1.0	
40	QPSK	216	0	22.98	22.75	22.91	23.7	1.0	
40	16QAM	1	1	22.23	22.13	22.14			
40	64QAM	1	1	20.78	20.70	20.69			
40	256QAM	1	1	18.42	18.26	18.31	20.2	4.5	
			Channel	345000	349000	353000			
			Frequency (MHz)	1725	1745	1765	tune-up limit (dbm)	MPR	(dB)
30	PV2 BPSK	1	1	23.65	23.66	23.60	24.7	0.0	
			Channel	344500	349000	353500	tune-up limit (dbm)	MPR	(dB)
			Frequency (MHz)	1722.5	1745	1767.5			
25	PV2 BPSK	1	1	23.87	23.92	23.90	24.7	0.0	
			Channel	344000	349000	354000	tune-up limit (dbm)	MPR	(dB)
			Frequency (MHz)	1720	1745	1770			
20	PV2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0	
			Channel	343500	349000	354500	tune-up limit (dbm)	MPR	(dB)
			Frequency (MHz)	1717.5	1745	1772.5			
15	PV2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0	
			Channel	343000	349000	355000	tune-up limit (dbm)	MPR	(dB)
			Frequency (MHz)	1715	1745	1775			
10	PV2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0	
			Channel	342500	349000	355500	tune-up limit (dbm)	MPR	(dB)
			Frequency (MHz)	1712.5	1745	1777.5			
5	PV2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PV2 BPSK	1	1	23.29	23.30	23.24	24.7	0.0	
40	PV2 BPSK	1	108	23.79	23.82	23.78			
40	PV2 BPSK	1	214	23.20	23.24	23.23			
40	PV2 BPSK	108	0	23.28	23.01	23.33	24.2	0.5	
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0	
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5	
40	PV2 BPSK	216	0	23.38	23.40	23.37			
40	QPSK	1	1	23.31	23.18	23.21			
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0	
40	QPSK	1	214	23.21	23.21	23.20	23.7	1.0	
40	QPSK	108	0	22.80	22.49	22.81			
40	QPSK	108	54	23.75	23.77	23.76			
40	QPSK	108	108	22.92	22.47	22.93	23.7	1.0	
40	QPSK	216	0	22.86	22.51	22.83	23.7	1.0	
40	16QAM	1	1	22.00	21.98	21.95			
40	64QAM	1	1	20.56	20.52	20.52			
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5	
Channel				345000	349000	353000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	23.42	23.47	23.45	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	23.67	23.72	23.73	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	23.73	23.78	23.73	24.7	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	23.72	23.80	23.76	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	23.71	23.75	23.68	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	23.75	23.81	23.73	24.7	0.0	

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				670	690.5	693		
Frequency (MHz)				670	690.5	693		
20	P2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	P2 BPSK	1	53	24.10	24.21	24.15		
20	P2 BPSK	1	104	23.98	24.15	24.02		
20	P2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	P2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	P2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	P2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.89	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	P2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	134100	134600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	P2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	P2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				670	690.5	693		
Frequency (MHz)				670	690.5	693		
20	PI/2 BPSK	1	1	24.00	24.08	24.01	25.2	0.0
20	PI/2 BPSK	1	53	24.14	24.19	24.16		
20	PI/2 BPSK	1	104	23.99	24.08	24.02		
20	PI/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5
20	PI/2 BPSK	50	28	24.13	24.18	24.15	25.2	0.0
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	PI/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.08	23.25	23.18		
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	134100	134600	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				668	680.5	693		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				665.5	680.5	695.5		
5	PI/2 BPSK	1	1	24.05	24.12	24.06	25.2	0.0

n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	21.77	21.78	21.63	23.4	0.0	
100	PI2 BPSK	1	137	22.51	22.59	22.48			
100	PI2 BPSK	1	271	21.07	21.70	21.63			
100	PI2 BPSK	135	0	22.35	22.36	22.31			
100	PI2 BPSK	135	69	22.51	22.54	22.48	23.4	0.0	
100	PI2 BPSK	135	138	22.35	22.37	22.33	23.4	0.0	
100	PI2 BPSK	270	0	22.35	22.37	22.31			
100	QPSK	1	1	21.84	21.87	21.81	23.4	0.0	
100	QPSK	1	137	22.53	22.58	22.37			
100	QPSK	1	271	21.83	21.82	21.84			
100	QPSK	135	0	22.35	22.32	22.32			
100	QPSK	135	69	22.53	22.56	22.51	23.4	0.0	
100	QPSK	135	138	22.43	22.32	22.37			
100	QPSK	270	0	22.35	22.31	22.36	23.4	0.0	
100	16QAM	1	1	21.37	21.45	21.46	22.4	1.0	
100	64QAM	1	1	21.46	21.48	21.47	22.4	1.0	
100	256QAM	1	1	20.91	20.93	20.95	21.9	1.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	21.72	21.67	21.60	23.4	0.0	
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI2 BPSK	1	1	21.62	21.68	21.50	23.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	21.05	21.63	21.54	23.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	21.77	21.67	21.68	23.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	21.90	21.94	21.66	23.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2518.01	2592.99	2670			
40	PI2 BPSK	1	1	21.88	21.84	21.68	23.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	21.85	21.85	21.73	23.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	21.86	21.79	21.72	23.4	0.0	

n41_Ant 0(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				Channel			509202	518598	528000
				Frequency (MHz)			2548.01	2592.99	2640
100	PI2 BPSK	1	1	24.51	24.54	24.48	26.4	0.0	
100	PI2 BPSK	1	137	25.12	25.23	25.10			
100	PI2 BPSK	1	271	24.46	24.53	24.42			
100	PI2 BPSK	135	0	25.09	25.15	25.05			
100	PI2 BPSK	135	69	25.12	25.16	25.09	26.4	0.0	
100	PI2 BPSK	135	138	25.09	25.11	25.01	26.4	0.5	
100	PI2 BPSK	270	0	25.07	25.15	25.01			
100	QPSK	1	1	24.48	24.52	24.47	26.4	0.0	
100	QPSK	1	137	25.19	25.22	25.16			
100	QPSK	1	271	24.46	24.51	24.43			
100	QPSK	135	0	24.59	24.61	24.51			
100	QPSK	135	69	25.14	25.21	25.16	26.4	0.0	
100	QPSK	135	138	24.50	24.55	24.54			
100	QPSK	270	0	24.56	24.59	24.58	26.4	1.0	
100	16QAM	1	1	23.58	23.67	23.62	25.4	1.0	
100	64QAM	1	1	22.17	22.21	22.19	23.9	2.5	
100	256QAM	1	1	21.08	21.16	21.15	21.9	4.5	
				Channel			508200	518598	528998
				Frequency (MHz)			2541	2592.99	2644.98
90	PI2 BPSK	1	1	24.49	24.67	24.60	26.4	0.0	
				Channel			507204	518598	529998
				Frequency (MHz)			2536.02	2592.99	2649.99
80	PI2 BPSK	1	1	24.61	24.65	24.59	26.4	0.0	
				Channel			506202	518598	531000
				Frequency (MHz)			2531.01	2592.99	2655
70	PI2 BPSK	1	1	24.47	24.50	24.55	26.4	0.0	
				Channel			505200	518598	531998
				Frequency (MHz)			2526	2592.99	2659.98
60	PI2 BPSK	1	1	24.63	24.71	24.68	26.4	0.0	
				Channel			504204	518598	532998
				Frequency (MHz)			2521.02	2592.99	2664.99
50	PI2 BPSK	1	1	24.61	24.75	24.62	26.4	0.0	
				Channel			503202	518598	534000
				Frequency (MHz)			2518.01	2592.99	2670
40	PI2 BPSK	1	1	24.62	24.70	24.77	26.4	0.0	
				Channel			502200	518598	534998
				Frequency (MHz)			2511	2592.99	2674.98
30	PI2 BPSK	1	1	24.65	24.69	24.70	26.4	0.0	
				Channel			501204	518598	535998
				Frequency (MHz)			2506.02	2592.99	2679.99
20	PI2 BPSK	1	1	24.76	24.63	24.71	26.4	0.0	

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				508202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	21.56	21.80	21.50	22.9	0.0	
100	PI2 BPSK	1	137	22.10	22.17	22.10			
100	PI2 BPSK	1	271	21.49	21.52	21.52			
100	PI2 BPSK	135	0	21.94	22.01	21.95			
100	PI2 BPSK	135	69	22.08	22.11	22.07	22.9	0.0	
100	PI2 BPSK	135	138	21.81	21.96	21.81	22.9	0.0	
100	PI2 BPSK	270	0	21.96	21.98	21.86			
100	QPSK	1	1	21.47	21.53	21.51	22.9	0.0	
100	QPSK	1	137	22.13	22.09	21.99			
100	QPSK	1	271	21.51	21.57	21.49			
100	QPSK	135	0	21.95	22.00	21.82			
100	QPSK	135	69	22.09	22.08	22.07	22.9	0.0	
100	QPSK	135	138	21.85	21.94	21.83			
100	QPSK	270	0	21.78	21.86	21.82	22.9	0.0	
100	16QAM	1	1	21.32	21.26	21.26	22.9	0.0	
100	64QAM	1	1	21.34	21.39	21.30	22.9	0.0	
100	256QAM	1	1	20.77	20.76	20.89	22.4	0.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	21.54	21.59	21.45	22.9	0.0	
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	21.55	21.59	21.48	22.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	21.52	21.59	21.45	22.9	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2669.98			
60	PI2 BPSK	1	1	21.55	21.59	21.46	22.9	0.0	
Channel				504202	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.03	2592.99	2664.99			
50	PI2 BPSK	1	1	21.55	21.55	21.49	22.9	0.0	
Channel				503200	5292.99	5370	tune-up limit (dbm)	MPR (db)	
40	PI2 BPSK	1	1	21.52	21.58	21.49	22.9	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	21.55	21.56	21.48	22.9	0.0	
Channel				501202	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	21.51	21.59	21.48	22.9	0.0	



n41_Ant 1(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				509202	518998	528000			
Frequency (MHz)				2592.99	2692.99	2740			
100	P2/BPSK	1	1	24.03	24.11	24.08			
100	P2/BPSK	1	137	24.84	24.89	24.78	25.9	0.0	
100	P2/BPSK	1	271	24.07	24.07	24.00	25.9	0.0	
100	P2/BPSK	135	0	24.62	24.68	24.64	25.9	0.0	
100	P2/BPSK	135	69	24.84	24.88	24.78	25.9	0.0	
100	P2/BPSK	135	138	24.80	24.71	24.49	25.9	0.0	
100	P2/BPSK	270	0	24.96	24.95	24.62	25.9	0.0	
100	QPSK	1	1	24.00	24.06	24.01			
100	QPSK	1	137	24.77	24.79	24.74	25.9	0.0	
100	QPSK	1	271	23.97	24.02	24.03			
100	QPSK	135	0	24.99	24.61	24.54	25.9	0.0	
100	QPSK	135	69	24.79	24.76	24.74			
100	QPSK	135	138	24.53	24.62	24.55			
100	QPSK	270	0	24.53	24.62	24.51	25.4	0.5	
100	16QAM	1	1	23.84	23.85	23.63	25.4	0.5	
100	64QAM	1	1	22.16	22.22	22.18	23.9	2.0	
100	256QAM	1	1	21.08	21.14	21.05	21.9	4.0	
Channel				50200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	P2/BPSK	1	1	24.01	24.06	24.05	25.9	0.0	
Channel				507204	51898	52998	turn-up limit (dB)	MPR	
Frequency (MHz)				2546.02	2592.99	2649.99	(dB)		
80	P2/BPSK	1	1	24.02	24.08	24.05	25.9	0.0	
Channel				506202	51898	531000	turn-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	P2/BPSK	1	1	23.99	24.06	24.05	25.9	0.0	
Channel				505200	51898	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	P2/BPSK	1	1	24.02	24.07	24.06	25.9	0.0	
Channel				505204	51898	532000	turn-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	P2/BPSK	1	1	23.99	24.06	24.03	25.9	0.0	
Channel				503202	51898	534000	turn-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	P2/BPSK	1	1	24.00	24.07	24.03	25.9	0.0	
Channel				502200	51898	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	P2/BPSK	1	1	24.00	24.07	24.06	25.9	0.0	
Channel				505204	51898	532000	turn-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	P2/BPSK	1	1	24.02	24.07	24.05	25.9	0.0	

n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518988	528000			
Frequency (MHz)				2546.01	2592.99	2644.98			
100	P2/BPSK	1	1	14.69	14.52	14.51			
100	P2/BPSK	1	137	15.12	15.33	14.62	16.2	0.0	
100	P2/BPSK	1	271	14.53	14.62	14.66			
100	P2/BPSK	135	0	15.02	15.11	15.00	16.2	0.0	
100	P2/BPSK	135	69	15.23	15.30	14.84	16.2	0.0	
100	P2/BPSK	135	138	15.11	15.28	15.06			
100	P2/BPSK	270	0	15.16	15.21	15.11	16.2	0.0	
100	QPSK	1	1	14.26	14.21	14.21			
100	QPSK	1	137	14.68	14.95	14.29	16.2	0.0	
100	QPSK	1	271	14.33	14.23	14.41			
100	QPSK	135	0	14.62	14.75	14.52			
100	QPSK	135	69	14.89	14.95	14.25	16.2	0.0	
100	QPSK	135	138	14.78	14.71	14.99			
100	QPSK	270	0	14.71	14.74	14.62	16.2	0.0	
100	16QAM	1	1	13.93	13.96	14.12	15.2	1.0	
100	64QAM	1	1	13.93	13.97	14.17	15.2	1.0	
100	256QAM	1	1	13.43	13.48	13.61	14.7	1.5	
Channel				508200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541 <th>2592.99</th> <th>2644.98</th> <th>(dB)</th> <th></th> <th></th>	2592.99	2644.98	(dB)		
90	P2/BPSK	1	1	14.44	14.47	14.27	16.2	0.0	
Channel				50204	51898	52996	limit (dB)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.98	(dB)		
80	P2/BPSK	1	1	14.46	14.48	14.39	16.2	0.0	
Channel				506202 <th>51898</th> <th>531000</th> <th>turn-up limit (dB)</th> <th>MPR</th> <th></th>	51898	531000	turn-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dB)		
70	P2/BPSK	1	1	14.43	14.48	14.29	16.2	0.0	
Channel				505200	51898	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	P2/BPSK	1	1	14.61	14.71	14.36	16.2	0.0	
Channel				505204	51898	532000	turn-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.98	(dB)		
50	P2/BPSK	1	1	14.60	14.57	14.35	16.2	0.0	
Channel				503202	51898	534000	turn-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	P2/BPSK	1	1	14.61	14.67	14.53	16.2	0.0	
Channel				502200	51898	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	P2/BPSK	1	1	14.50	14.60	14.35	16.2	0.0	
Channel				505204	51898	532000	turn-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98	(dB)		
20	P2/BPSK	1	1	14.57	14.74	14.44	16.2	0.0	

n41_Ant 3(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518986	528000			
Frequency (MHz)				2546.01	2592.99	2644.99			
100	P2/BPSK	1	1	17.30	17.36	17.53			
100	P2/BPSK	1	137	17.78	18.12	17.41	19.2	0.0	
100	P2/BPSK	1	271	17.29	17.33	17.51			
100	P2/BPSK	135	0	17.70	17.71	17.22	18.7	0.5	
100	P2/BPSK	135	69	17.82	18.02	17.41	19.2	0.0	
100	P2/BPSK	135	138	17.68	17.31	17.84			
100	P2/BPSK	270	0	17.59	17.68	17.56	18.7	0.5	
100	QPSK	1	1	17.21	17.23	17.41			
100	QPSK	1	137	17.39	18.11	17.41	19.2	0.0	
100	QPSK	1	271	17.25	17.29	17.43			
100	QPSK	135	0	17.24	17.26	17.71			
100	QPSK	135	69	17.57	17.82	17.41	19.2	0.0	
100	QPSK	135	138	17.34	17.28	17.72			
100	QPSK	270	0	17.23	17.31	17.42	18.2	1.0	
100	16QAM	1	1	16.20	16.22	16.57	18.2	1.0	
100	64QAM	1	1	14.79	14.83	15.16	16.7	2.5	
100	256QAM	1	1	13.78	13.82	14.11	14.7	4.5	
Channel				508200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	P2/BPSK	1	1	17.21	17.33	17.28	19.2	0.0	
Channel				507204	51898	52998	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	P2/BPSK	1	1	17.25	17.29	17.23	19.2	0.0	
Channel				506202	51898	531000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	P2/BPSK	1	1	17.23	17.29	17.21	19.2	0.0	
Channel				505200	51898	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	P2/BPSK	1	1	17.25	17.27	17.28	19.2	0.0	
Channel				505204	51898	532000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	P2/BPSK	1	1	17.22	17.29	17.22	19.2	0.0	
Channel				503202	51898	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	P2/BPSK	1	1	17.20	17.27	17.26	19.2	0.0	
Channel				502200	51898	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	P2/BPSK	1	1	17.21	17.27	17.27	19.2	0.0	
Channel				505204	51898	532000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	P2/BPSK	1	1	17.20	17.22	17.21	19.2	0.0	

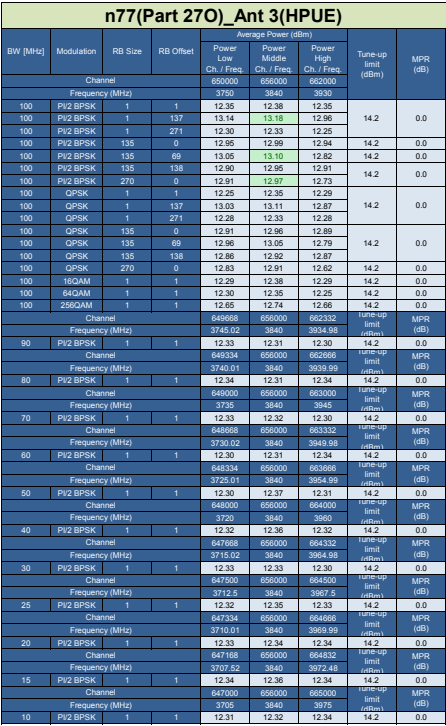
n41_Ant 4									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.40	17.50	17.31	19.2	0.0	
100	PI/2 BPSK	1	137	18.24	18.30	17.93			
100	PI/2 BPSK	1	231	17.25	17.32	17.32			
100	PI/2 BPSK	135	0	17.85	17.96	17.91	19.2	0.0	
100	PI/2 BPSK	135	69	18.14	18.24	17.94	19.2	0.0	
100	PI/2 BPSK	135	138	17.71	17.78	17.72	19.2	0.0	
100	PI/2 BPSK	270	0	17.87	17.89	17.81			
100	QPSK	1	1	17.35	17.40	17.38			
100	QPSK	1	137	18.15	18.18	17.84	19.2	0.0	
100	QPSK	1	271	17.24	17.23	17.30			
100	QPSK	135	0	17.88	17.92	17.84			
100	QPSK	135	69	18.12	18.16	17.74	19.2	0.0	
100	QPSK	135	138	17.84	17.73	17.73			
100	QPSK	270	0	17.82	17.83	17.49			
100	16QAM	1	1	18.23	17.97	18.06	19.2	0.0	
100	64QAM	1	1	18.20	18.13	18.11	19.2	0.0	
100	256QAM	1	1	18.13	18.02	17.95	18.7	0.5	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	17.39	17.45	17.30	19.2	0.0	
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	17.36	17.46	17.29	19.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	17.35	17.48	17.30	19.2	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	17.38	17.45	17.27	19.2	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	17.39	17.48	17.28	19.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	17.38	17.46	17.27	19.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	17.37	17.46	17.28	19.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	17.39	17.46	17.28	19.2	0.0	

n41_Ant 4(HPUE)									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.33	20.41	20.32	22.2	0.0	
100	PI/2 BPSK	1	137	21.32	21.39	21.00			
100	PI/2 BPSK	1	231	20.29	20.25	20.29			
100	PI/2 BPSK	135	0	21.01	21.01	21.04	22.2	0.0	
100	PI/2 BPSK	135	69	21.21	21.33	20.98	22.2	0.0	
100	PI/2 BPSK	135	138	20.79	20.92	20.85	22.2	0.0	
100	PI/2 BPSK	270	0	21.02	21.09	20.65			
100	QPSK	1	1	20.43	20.41	20.41			
100	QPSK	1	137	21.25	21.34	20.96	22.2	0.0	
100	QPSK	1	271	20.25	20.27	20.32			
100	QPSK	135	0	20.92	21.00	21.00			
100	QPSK	135	69	21.24	21.20	20.90	22.2	0.0	
100	QPSK	135	138	20.72	20.84	20.80			
100	QPSK	270	0	20.86	20.98	20.65			
100	16QAM	1	1	20.31	20.33	20.34	22.2	0.0	
100	64QAM	1	1	19.16	19.24	19.19	20.7	1.5	
100	256QAM	1	1	18.11	18.12	18.06	18.7	3.5	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	20.28	20.37	20.27	22.2	0.0	
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	20.30	20.39	20.27	22.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	20.28	20.38	20.31	22.2	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	20.28	20.38	20.28	22.2	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	20.28	20.39	20.28	22.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	20.28	20.38	20.30	22.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	20.30	20.37	20.30	22.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	20.28	20.37	20.29	22.2	0.0	

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		10.04		11.2	0.0	
100	Pi2 BPSK	1	137		10.07				
100	Pi2 BPSK	1	271		9.91		11.2	0.0	
100	Pi2 BPSK	135	0		10.47				
100	Pi2 BPSK	135	69		10.63		11.2	0.0	
100	Pi2 BPSK	135	138		10.46				
100	Pi2 BPSK	270	0		10.44		11.2	0.0	
100	QPSK	1	1		10.05				
100	QPSK	1	137		10.56		11.2	0.0	
100	QPSK	1	271		9.84				
100	QPSK	135	0		10.46		11.2	0.0	
100	QPSK	135	69		10.54				
100	QPSK	135	138		10.36		11.2	0.0	
100	QPSK	270	0		10.46				
100	16QAM	1	1		9.77		11.2	0.0	
100	64QAM	1	1		9.82				
100	256QAM	1	1		10.38		11.2	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		10.00	9.98	10.00	11.2	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pi2 BPSK	1	1		9.96	10.00	9.97	11.2	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.51 <th>3500.01</th> <th>3514.98</th> <th></th> <th></th> <th></th>	3500.01	3514.98			
70	Pi2 BPSK	1	1		9.98	9.98	9.99	11.2	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pi2 BPSK	1	1		9.98	10.02	9.99	11.2	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pi2 BPSK	1	1		9.97	10.03	9.97	11.2	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.98			
40	Pi2 BPSK	1	1		9.95	9.98	9.97	11.2	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pi2 BPSK	1	1		9.96	10.00	9.96	11.2	0.0
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3539.98			
25	Pi2 BPSK	1	1		10.00	10.03	9.98	11.2	0.0
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3537.48			
20	Pi2 BPSK	1	1		9.95	10.02	9.95	11.2	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5	3500.01	3542.48			
15	Pi2 BPSK	1	1		9.97	10.01	9.98	11.2	0.0
Channel				630334	633334	636992	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pi2 BPSK	1	1		9.96	9.98	9.97	11.2	0.0

n77(Part 27Q)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				3500.01					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		13.02		14.2	0.0	
100	Pi2 BPSK	1	137		13.06				
100	Pi2 BPSK	1	271		12.91		14.2	0.0	
100	Pi2 BPSK	135	0		13.51				
100	Pi2 BPSK	135	69		13.00		14.2	0.0	
100	Pi2 BPSK	135	138		13.45				
100	Pi2 BPSK	270	0		13.46		14.2	0.0	
100	QPSK	1	1		13.00				
100	QPSK	1	137		13.60		14.2	0.0	
100	QPSK	1	271		12.88				
100	QPSK	135	0		13.45		14.2	0.0	
100	QPSK	135	69		13.53				
100	QPSK	135	138		13.41		14.2	0.0	
100	QPSK	270	0		13.42				
100	16QAM	1	1		12.77		14.2	0.0	
100	64QAM	1	1		12.82				
100	256QAM	1	1		13.35		14.2	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		12.92	13.01	12.95	14.2	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pi2 BPSK	1	1		12.96	13.00	12.99	14.2	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pi2 BPSK	1	1		12.95	12.85	12.99	14.2	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pi2 BPSK	1	1		12.98	12.99	12.93	14.2	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pi2 BPSK	1	1		13.00	12.95	12.96	14.2	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.99			
40	Pi2 BPSK	1	1		12.98	12.98	12.96	14.2	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pi2 BPSK	1	1		12.99	12.95	12.97	14.2	0.0
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3539.98			
25	Pi2 BPSK	1	1		12.94	12.98	12.92	14.2	0.0
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3537.48			
20	Pi2 BPSK	1	1		12.94	12.98	12.95	14.2	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5	3500.01	3542.48			
15	Pi2 BPSK	1	1		12.94	12.96	12.95	14.2	0.0
Channel				630334	633334	636992	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pi2 BPSK	1	1		12.93	13.01	12.97	14.2	0.0

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000					
Frequency (MHz)				3705	3840	3930			
100	Pi2 BPSK	1	1	9.37	9.43	9.33	11.2	0.0	
100	Pi2 BPSK	1	137	10.11	10.17	9.96			
100	Pi2 BPSK	1	271	9.28	9.34	9.20	11.2	0.0	
100	Pi2 BPSK	135	0	9.98	9.99	9.91			
100	Pi2 BPSK	135	69	10.07	10.11	9.82	11.2	0.0	
100	Pi2 BPSK	135	138	9.89	10.00	9.93			
100	Pi2 BPSK	270	0	9.95	9.97	9.76	11.2	0.0	
100	QPSK	1	1	9.27	9.32	9.25			
100	QPSK	1	137	10.01	10.06	9.90	11.2	0.0	
100	QPSK	1	271	9.31	9.36	9.25			
100	QPSK	135	0	9.87	9.96	9.90	11.2	0.0	
100	QPSK	135	69	9.92	10.08	9.82			
100	QPSK	135	138	9.82	9.91	9.86	11.2	0.0	
100	QPSK	270	0	9.79	9.89	9.66			
100	16QAM	1	1	9.28	9.35	9.26	11.2	0.0	
100	64QAM	1	1	9.33	9.31	9.29			
100	256QAM	1	1	9.60	9.72	9.70	11.2	0.0	
Channel				646958 <th>662332</th> <th></th> <th></th>					
Frequency (MHz)				3744.98	3840	394.98	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
90	Pi2 BPSK	1	1	9.35	9.39	9.31	11.2	0.0	
Channel				646334 <th>660606</th> <th></th> <th></th>					
Frequency (MHz)				3745.01 <th>3840</th> <th>3939.99</th> <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	3840	3939.99	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
80	Pi2 BPSK	1	1	9.34	9.39	9.30	11.2	0.0	
Channel				646334 <th>662003<th></th><th></th></th>					
Frequency (MHz)				3735 <th>3840</th> <th>3945<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3945 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
70	Pi2 BPSK	1	1	9.33	9.39	9.32	11.2	0.0	
Channel				646868 <th>663332<th></th><th></th></th>					
Frequency (MHz)				3725.01 <th>3840</th> <th>3954.99</th> <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	3840	3954.99	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
60	Pi2 BPSK	1	1	9.33	9.42	9.30	11.2	0.0	
Channel				646334 <th>663686<th></th><th></th></th>					
Frequency (MHz)				3725.01 <th>3840</th> <th>3954.99</th> <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	3840	3954.99	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
50	Pi2 BPSK	1	1	9.32	9.37	9.28	11.2	0.0	
Channel				646868 <th>664003<th></th><th></th></th>					
Frequency (MHz)				3720 <th>3840</th> <th>3960<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3960 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
40	Pi2 BPSK	1	1	9.33	9.37	9.28	11.2	0.0	
Channel				647688 <th>664332<th></th><th></th></th>					
Frequency (MHz)				3715.02 <th>3840</th> <th>3954.98<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3954.98 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
30	Pi2 BPSK	1	1	9.32	9.40	9.32	11.2	0.0	
Channel				647600 <th>664500<th></th><th></th></th>					
Frequency (MHz)				3712.5 <th>3840</th> <th>3967.5<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3967.5 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
25	Pi2 BPSK	1	1	9.35	9.41	9.32	11.2	0.0	
Channel				647334 <th>664666<th></th><th></th></th>					
Frequency (MHz)				3710.03 <th>3840</th> <th>3959.99<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3959.99 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
20	Pi2 BPSK	1	1	9.34	9.41	9.29	11.2	0.0	
Channel				647168 <th>664832<th></th><th></th></th>					
Frequency (MHz)				3707.52 <th>3840</th> <th>3972.48<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3972.48 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
15	Pi2 BPSK	1	1	9.36	9.40	9.31	11.2	0.0	
Channel				646868 <th>665003<th></th><th></th></th>					
Frequency (MHz)				3705 <th>3840</th> <th>3975<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3975 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
10	Pi2 BPSK	1	1	9.32	9.40	9.32	11.2	0.0	



n77(Part 27Q)_Ant 4									
				Average Power (dBm)					
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Res.(dBm)	MPR (dB)	
Channel				633334	360001				
Frequency (MHz)				13.0001	13.0001				
100	P1/2 BPSK	1	1		13.27				
100	P1/2 BPSK	1	137		14.14		15.2		0.0
100	P1/2 BPSK	1	271		13.31				
100	P1/2 BPSK	135	0		13.91		15.2		0.0
100	P1/2 BPSK	135	69		13.98		15.2		0.0
100	P1/2 BPSK	135	138		13.82				
100	P1/2 BPSK	270	0		13.91		15.2		0.0
100	QPSK	1	1		13.31				
100	QPSK	1	137		14.08				
100	QPSK	1	271		13.31				
100	QPSK	135	0		13.89				
100	QPSK	135	69		13.92		15.2		0.0
100	QPSK	135	138		13.79				
100	QPSK	270	0		13.88		15.2		0.0
100	16QAM	1	1		13.30		15.2		0.0
100	64QAM	1	1		13.34		15.2		0.0
100	256QAM	1	1		13.45		15.2		0.0
Channel				633000	633334	633666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0000	13.0001	13.0004	res.(dB)		
90	P1/2 BPSK	1	1		13.18	13.26	13.34		
Channel				632668	633334	634000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0002	13.0001	13.0010	res.(dB)		
80	P1/2 BPSK	1	1		13.23	13.22	13.24	15.2	0.0
Channel				632334	633334	634332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0005	13.0001	13.0018	res.(dB)		
70	P1/2 BPSK	1	1		13.20	13.24	13.22	15.2	0.0
Channel				632000	633334	634666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0008	13.0001	13.0019	res.(dB)		
60	P1/2 BPSK	1	1		13.21	13.25	13.19	15.2	0.0
Channel				631668	633334	635000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0012	13.0001	13.0025	res.(dB)		
50	P1/2 BPSK	1	1		13.17	13.20	13.17	15.2	0.0
Channel				631334	633334	635332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0015	13.0001	13.0029	res.(dB)		
40	P1/2 BPSK	1	1		13.19	13.23	13.19	15.2	0.0
Channel				631000	633334	635666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0018	13.0001	13.0034	res.(dB)		
30	P1/2 BPSK	1	1		13.19	13.24	13.21	15.2	0.0
Channel				630334	633334	636332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0021	13.0001	13.0037	res.(dB)		
25	P1/2 BPSK	1	1		13.23	13.21	13.20	15.2	0.0
Channel				630668	633334	636000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0024	13.0001	13.0040	res.(dB)		
20	P1/2 BPSK	1	1		13.20	13.26	13.23	15.2	0.0
Channel				630000	633334	636666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0027	13.0001	13.0043	res.(dB)		
15	P1/2 BPSK	1	1		13.20	13.24	13.22	15.2	0.0
Channel				629334	633334	637332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				13.0030	13.0001	13.0046	res.(dB)		
10	P1/2 BPSK	1	1		13.21	13.20	13.22	15.2	0.0

n77(Part 27Q)_Ant 4(HPUe)									
				Average Power (dBm)					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	16.35	16.35				
100	PI/2 BPSK	1	137	16.29	16.29		18.2	0.0	
100	PI/2 BPSK	1	271	16.29	16.29		18.2	0.0	
100	PI/2 BPSK	135	0	16.57	16.57		18.2	0.0	
100	PI/2 BPSK	135	69	16.95	16.95		18.2	0.0	
100	PI/2 BPSK	135	135	16.88	16.88		18.2	0.0	
100	PI/2 BPSK	270	0	16.92	16.92		18.2	0.0	
100	QPSK	1	1	16.31	16.31				
100	QPSK	1	137	17.12	17.12		18.2	0.0	
100	QPSK	1	271	16.33	16.33				
100	QPSK	135	0	16.95	16.95				
100	QPSK	135	69	16.84	16.84		18.2	0.0	
100	QPSK	135	135	16.78	16.78		18.2	0.0	
100	QPSK	270	0	16.84	16.84		18.2	0.0	
100	16QAM	1	1	16.35	16.35		18.2	0.0	
100	64QAM	1	1	16.35	16.35		18.2	0.0	
100	256QAM	1	1	16.38	16.38		18.2	0.0	
Channel				633500		633566	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3400.01		3400.99	Turn-up limit (dBm)	MPR (dB)	
90	PI/2 BPSK	1	1	16.28	16.32	16.28	18.2	0.0	
Channel				633668		633534	634000	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3430.02		3500.01	3510	Turn-up limit (dBm)	MPR (dB)
80	PI/2 BPSK	1	1	16.26	16.26		18.2	0.0	
Channel				633816		633334	634332	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01		3500.01	3514.98	Turn-up limit (dBm)	MPR (dB)
70	PI/2 BPSK	1	1	16.30	16.32	16.30	18.2	0.0	
Channel				632000		633334	634666	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3500.01		3500.01	3519.99	Turn-up limit (dBm)	MPR (dB)
60	PI/2 BPSK	1	1	16.32	16.34	16.32	18.2	0.0	
Channel				631688		633334	633500	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3474.02		3500.01	3525	Turn-up limit (dBm)	MPR (dB)
50	PI/2 BPSK	1	1	16.30	16.28	16.29	18.2	0.0	
Channel				631732		633334	633532	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.03		3500.01	3529.98	Turn-up limit (dBm)	MPR (dB)
40	PI/2 BPSK	1	1	16.32	16.33	16.31	18.2	0.0	
Channel				631000		633334	633566	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462		3500.01	3524.99	Turn-up limit (dBm)	MPR (dB)
30	PI/2 BPSK	1	1	16.31	16.29	16.30	18.2	0.0	
Channel				630934		633334	633832	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51		3500.01	3537.48	Turn-up limit (dBm)	MPR (dB)
25	PI/2 BPSK	1	1	16.29	16.31	16.29	18.2	0.0	
Channel				630688		633334	633600	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02		3500.01	3540	Turn-up limit (dBm)	MPR (dB)
20	PI/2 BPSK	1	1	16.27	16.33	16.28	18.2	0.0	
Channel				630500		633334	633816	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5		3500.01	3542.49	Turn-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	16.30	16.32	16.28	18.2	0.0	
Channel				630282		633334	634232	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01		3500.01	3544.98	Turn-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	16.31	16.32	16.28	18.2	0.0	

n77(Part 27O)_Ant 4									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3640	3630			
100	PV2 BPSK	1	1	13.20	13.31	13.21			
100	PV2 BPSK	1	137	14.34	14.38	14.25	15.2	0.0	
100	PV2 BPSK	1	271	13.29	13.32	13.30			
100	PV2 BPSK	135	0	13.95	14.06	14.06	15.2	0.0	
100	PV2 BPSK	135	69	14.22	14.30	14.19	15.2	0.0	
100	PV2 BPSK	135	138	13.92	14.02	13.95			
100	PV2 BPSK	270	0	14.06	14.10	13.98	15.2	0.0	
100	QPSK	1	1	13.30	13.35	13.24			
100	QPSK	1	137	14.28	14.38	14.31	15.2	0.0	
100	QPSK	1	271	13.28	13.32	13.28			
100	QPSK	135	0	13.95	14.09	14.01			
100	QPSK	135	69	14.14	14.15	14.09	15.2	0.0	
100	QPSK	135	138	13.97	14.01	13.88			
100	QPSK	270	0	13.95	14.03	13.98	15.2	0.0	
100	16QAM	1	1	13.25	13.31	13.25	15.2	0.0	
100	64QAM	1	1	13.22	13.31	13.21	15.2	0.0	
100	256QAM	1	1	13.32	13.33	13.32	15.2	0.0	
Channel				649688	656000	662332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dB)		
90	PV2 BPSK	1	1	13.10	13.27	13.16	15.2	0.0	
Channel				649334	655000	660666	limit (dB)		
Frequency (MHz)				3740.01	3840	3939.99	(dB)		
80	PV2 BPSK	1	1	13.11	13.29	13.13	15.2	0.0	
Channel				649000	656000	663000	turn-up limit (dB)	MPR	
Frequency (MHz)				3734	3840	3945	(dB)		
70	PV2 BPSK	1	1	13.11	13.30	13.12	15.2	0.0	
Channel				648688	656000	663332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dB)		
60	PV2 BPSK	1	1	13.16	13.27	13.11	15.2	0.0	
Channel				648334	656000	663666	limit (dB)		
Frequency (MHz)				3725.01	3840	3954.99	(dB)		
50	PV2 BPSK	1	1	13.12	13.28	13.14	15.2	0.0	
Channel				648000	656000	664000	turn-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3950	(dB)		
40	PV2 BPSK	1	1	13.13	13.28	13.16	15.2	0.0	
Channel				647688	656000	664332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dB)		
30	PV2 BPSK	1	1	13.17	13.26	13.12	15.2	0.0	
Channel				647334	656000	664666	limit (dB)		
Frequency (MHz)				3712.5	3840	3967.5	(dB)		
25	PV2 BPSK	1	1	13.17	13.29	13.17	15.2	0.0	
Channel				647334	656000	664686	turn-up limit (dB)	MPR	
Frequency (MHz)				3710.51	3840	3969.99	(dB)		
20	PV2 BPSK	1	1	13.17	13.27	13.12	15.2	0.0	
Channel				647188	656000	664832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dB)		
15	PV2 BPSK	1	1	13.13	13.29	13.12	15.2	0.0	
Channel				647000	656000	665000	limit (dB)		
Frequency (MHz)				3705	3840	3975	(dB)		
10	PV2 BPSK	1	1	13.13	13.29	13.16	15.2	0.0	

n77(Part 27O)_Ant 4(HPUe)									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3640	3630			
100	PV2 BPSK	1	1	16.23	16.33	16.25			
100	PV2 BPSK	1	137	17.34	17.35	17.30	16.2	0.0	
100	PV2 BPSK	1	271	16.24	16.29	16.30			
100	PV2 BPSK	135	0	17.01	17.14	17.04	16.2	0.0	
100	PV2 BPSK	135	69	17.15	17.31	17.14	16.2	0.0	
100	PV2 BPSK	135	138	16.80	16.98	16.91			
100	PV2 BPSK	270	0	17.04	17.29	16.98	16.2	0.0	
100	QPSK	1	1	16.31	16.27	16.27			
100	QPSK	1	137	17.25	17.28	17.29	16.2	0.0	
100	QPSK	1	271	16.25	16.31	16.27			
100	QPSK	135	0	16.96	17.04	16.97			
100	QPSK	135	69	17.05	17.20	17.10	16.2	0.0	
100	QPSK	135	138	16.94	16.95	16.98			
100	QPSK	270	0	17.04	17.03	16.92	16.2	0.0	
100	16QAM	1	1	16.28	16.33	16.29	16.2	0.0	
100	64QAM	1	1	16.26	16.29	16.21	16.2	0.0	
100	256QAM	1	1	16.25	16.33	16.32	16.2	0.0	
Channel				649688	656000	662332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dB)		
90	PV2 BPSK	1	1	16.27	16.27	16.21	16.2	0.0	
Channel				649334	655000	660666	limit (dB)		
Frequency (MHz)				3740.01	3840	3939.99	(dB)		
80	PV2 BPSK	1	1	16.21	16.31	16.21	16.2	0.0	
Channel				649000	656000	663000	turn-up limit (dB)	MPR	
Frequency (MHz)				3734	3840	3945	(dB)		
70	PV2 BPSK	1	1	16.21	16.28	16.20	16.2	0.0	
Channel				648688	656000	663332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dB)		
60	PV2 BPSK	1	1	16.23	16.32	16.23	16.2	0.0	
Channel				648334	656000	663666	limit (dB)		
Frequency (MHz)				3725.01	3840	3954.99	(dB)		
50	PV2 BPSK	1	1	16.26	16.28	16.22	16.2	0.0	
Channel				648000	656000	664000	turn-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3950	(dB)		
40	PV2 BPSK	1	1	16.25	16.27	16.23	16.2	0.0	
Channel				647688	656000	664332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dB)		
30	PV2 BPSK	1	1	16.27	16.30	16.24	16.2	0.0	
Channel				647334	656000	664666	limit (dB)		
Frequency (MHz)				3712.5	3840	3967.5	(dB)		
25	PV2 BPSK	1	1	16.24	16.26	16.24	16.2	0.0	
Channel				647334	656000	664686	turn-up limit (dB)	MPR	
Frequency (MHz)				3710.51	3840	3969.99	(dB)		
20	PV2 BPSK	1	1	16.27	16.31	16.22	16.2	0.0	
Channel				647188	656000	664832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dB)		
15	PV2 BPSK	1	1	16.26	16.30	16.24	16.2	0.0	
Channel				647000	656000	665000	limit (dB)		
Frequency (MHz)				3705	3840	3975	(dB)		
10	PV2 BPSK	1	1	16.25	16.27	16.24	16.2	0.0	

n77(Part 27Q)_Ant 5									
Average Power (dbm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				630001	633334	636666			
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1	16.24					
100	PV2 BPSK	1	137	17.26			16.2	16.2	0.0
100	PV2 BPSK	1	271	16.36					
100	PV2 BPSK	135	0	16.96			16.2	16.2	0.0
100	PV2 BPSK	135	69	17.14			16.2	16.2	0.0
100	PV2 BPSK	135	138	16.92					
100	PV2 BPSK	270	0	17.01			16.2	16.2	0.0
100	QPSK	1	1	16.31					
100	QPSK	1	137	17.22			16.2	16.2	0.0
100	QPSK	1	271	16.34					
100	QPSK	135	0	16.93			16.2	16.2	0.0
100	QPSK	135	69	17.04			16.2	16.2	0.0
100	QPSK	135	138	16.86					
100	QPSK	270	0	16.91			16.2	16.2	0.0
100	16QAM	1	1	16.30			16.2	16.2	0.0
100	64QAM	1	1	16.30			16.2	16.2	0.0
100	256QAM	1	1	16.39			16.2	16.2	0.0
Channel				633000	633334	633666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99	3500.01		
90	PV2 BPSK	1	1	16.24	16.33	16.26	16.2	16.2	0.0
Channel				632668	633334	634000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510	3500.01		
80	PV2 BPSK	1	1	16.24	16.33	16.27	16.2	16.2	0.0
Channel				632334	633334	634332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98	3500.01		
70	PV2 BPSK	1	1	16.27	16.32	16.26	16.2	16.2	0.0
Channel				632000	633334	634666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99	3500.01		
60	PV2 BPSK	1	1	16.29	16.33	16.29	16.2	16.2	0.0
Channel				631668	633334	635000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525	3500.01		
50	PV2 BPSK	1	1	16.27	16.30	16.31	16.2	16.2	0.0
Channel				631334	633334	635332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3535.98	3500.01		
40	PV2 BPSK	1	1	16.29	16.30	16.30	16.2	16.2	0.0
Channel				631000	633334	635666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99	3500.01		
30	PV2 BPSK	1	1	16.31	16.33	16.28	16.2	16.2	0.0
Channel				630668	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540	3500.01		
20	PV2 BPSK	1	1	16.32	16.32	16.29	16.2	16.2	0.0
Channel				630330	633334	636166	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49	3500.01		
15	PV2 BPSK	1	1	16.32	16.30	16.27	16.2	16.2	0.0
Channel				630034	633334	636332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3453.01	3500.01	3544.98	3500.01		
10	PV2 BPSK	1	1	16.26	16.32	16.26	16.2	16.2	0.0

n77(Part 27Q)_Ant 5(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1	19.36			21.2	0.0	
100	PV2 BPSK	1	137	20.26					
100	PV2 BPSK	1	271	19.26			21.2	0.0	
100	PV2 BPSK	135	0	19.96					
100	PV2 BPSK	135	69	20.12			21.2	0.0	
100	PV2 BPSK	135	138	19.96					
100	PV2 BPSK	270	0	20.04			21.2	0.0	
100	QPSK	1	1	19.26					
100	QPSK	1	137	20.19			21.2	0.0	
100	QPSK	1	271	19.25					
100	QPSK	135	0	19.96			21.2	0.0	
100	QPSK	135	69	20.05					
100	QPSK	135	138	19.95			21.2	0.0	
100	QPSK	270	0	19.97					
100	16QAM	1	1	19.37			21.2	0.0	
100	64QAM	1	1	19.38					
100	256QAM	1	1	19.40			21.2	0.0	
Channel				633000	633334	633666			
Frequency (MHz)				3465	3500.01	3504.99	limit (dBm)	limit (dB)	
90	PV2 BPSK	1	1	19.31	19.31	19.29	21.2	0.0	
Channel				632666	633334	633000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3690.02	3500.01	3510	limit (dB)	limit (dB)	
80	PV2 BPSK	1	1	19.29	19.30	19.26	21.2	0.0	
Channel				632334	633334	634332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01	3500.01	3514.08	limit (dB)	limit (dB)	
70	PV2 BPSK	1	1	19.29	19.32	19.30	21.2	0.0	
Channel				632000	633334	634666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	limit (dBm)	limit (dB)	
60	PV2 BPSK	1	1	19.29	19.34	19.27	21.2	0.0	
Channel				631666	633334	635000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3675.02	3500.01	3525	limit (dB)	limit (dB)	
50	PV2 BPSK	1	1	19.29	19.33	19.31	21.2	0.0	
Channel				631334	633334	635332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3670.01	3500.01	3528.08	limit (dB)	limit (dB)	
40	PV2 BPSK	1	1	19.29	19.30	19.29	21.2	0.0	
Channel				631000	633334	635666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	limit (dBm)	limit (dB)	
30	PV2 BPSK	1	1	19.27	19.34	19.26	21.2	0.0	
Channel				630534	633334	635912	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3662.51	3500.01	3537.48	limit (dB)	limit (dB)	
25	PV2 BPSK	1	1	19.30	19.33	19.29	21.2	0.0	
Channel				630666	633334	636000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.02	3500.01	3540	limit (dBm)	limit (dB)	
20	PV2 BPSK	1	1	19.30	19.34	19.29	21.2	0.0	
Channel				630500	633334	636166	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.5	3500.01	3542.49	limit (dB)	limit (dB)	
15	PV2 BPSK	1	1	19.30	19.33	19.29	21.2	0.0	
Channel				630334	633334	636332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655.01	3500.01	3544.98	limit (dB)	limit (dB)	
10	PV2 BPSK	1	1	19.30	19.34	19.27	21.2	0.0	

n77(Part 27O)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				65000	65600	65200			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	18.30	18.41	18.30	18.2	0.0	
100	PV2 BPSK	1	137	17.29	17.32	17.22			
100	PV2 BPSK	1	271	18.37	18.39	18.38	18.2	0.0	
100	PV2 BPSK	135	0	16.92	17.02	16.86			
100	PV2 BPSK	135	69	17.15	17.19	17.12	18.2	0.0	
100	PV2 BPSK	135	138	16.97	17.06	16.90			
100	PV2 BPSK	270	0	16.95	17.03	16.98	18.2	0.0	
100	QPSK	1	1	18.25	18.39	18.30			
100	QPSK	1	137	17.28	17.25	17.20	18.2	0.0	
100	QPSK	1	271	18.38	18.43	18.33			
100	QPSK	135	0	16.93	16.96	16.84	18.2	0.0	
100	QPSK	135	69	17.04	17.12	17.04			
100	QPSK	135	138	16.86	16.96	17.01	18.2	0.0	
100	QPSK	270	0	16.94	16.99	17.00			
100	16QAM	1	1	18.25	18.34	18.25	18.2	0.0	
100	64QAM	1	1	18.22	18.27	18.23			
100	256QAM	1	1	18.22	18.24	18.28	18.2	0.0	
Channel				649668	650000	650332			
Frequency (MHz)				3745.02	3840	3934.98	limit (dBm)		
90	PV2 BPSK	1	1	18.27	18.39	18.29	18.2	0.0	
Channel				649334	650000	650666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	limit (dB)		
80	PV2 BPSK	1	1	18.29	18.39	18.29	18.2	0.0	
Channel				649000	650000	650300	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3724	3840	3944	limit (dB)		
70	PV2 BPSK	1	1	18.27	18.37	18.26	18.2	0.0	
Channel				648668	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	limit (dBm) <th>MPR (dB)</th> <th></th>	MPR (dB)	
60	PV2 BPSK	1	1	18.27	18.37	18.26	18.2	0.0	
Channel				648334	650000	650666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	limit (dB)		
50	PV2 BPSK	1	1	18.29	18.37	18.25	18.2	0.0	
Channel				648000	650000	650400	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	limit (dBm)		
40	PV2 BPSK	1	1	18.25	18.39	18.27	18.2	0.0	
Channel				647668	650000	650432	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	limit (dBm) <th>MPR (dB)</th> <th></th>	MPR (dB)	
30	PV2 BPSK	1	1	18.25	18.36	18.29	18.2	0.0	
Channel				647334	650000	650912	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)		
25	PV2 BPSK	1	1	18.25	18.38	18.29	18.2	0.0	
Channel				647334	650000	650666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	limit (dBm) <th>MPR (dB)</th> <th></th>	MPR (dB)	
20	PV2 BPSK	1	1	18.29	18.38	18.26	18.2	0.0	
Channel				647168	650000	650432	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	limit (dBm) <th>MPR (dB)</th> <th></th>	MPR (dB)	
15	PV2 BPSK	1	1	18.26	18.40	18.28	18.2	0.0	
Channel				647000	650000	650300	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	limit (dBm)	MPR (dB)	
10	PV2 BPSK	1	1	18.27	18.36	18.26	18.2	0.0	

n77(Part 27O)_Ant 5(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				65000	65600	66200			
Frequency (MHz)				3750	2340	2300			
100	PV2 BPSK	1	1	19.29	19.34	19.28	21.2	0.0	
100	PV2 BPSK	1	137	20.29	20.32	20.26			
100	PV2 BPSK	1	271	19.31	19.47	19.40	21.2	0.0	
100	PV2 BPSK	135	0	19.91	20.01	19.88			
100	PV2 BPSK	135	69	20.12	20.18	20.13	21.2	0.0	
100	PV2 BPSK	135	138	19.95	20.02	19.95			
100	PV2 BPSK	270	0	20.02	20.05	19.99	21.2	0.0	
100	QPSK	1	1	19.34	19.31	19.27			
100	QPSK	1	137	20.22	20.29	20.16	21.2	0.0	
100	QPSK	1	271	19.32	19.38	19.32	21.2	0.0	
100	QPSK	135	0	19.93	20.02	19.89			
100	QPSK	135	69	20.13	20.17	20.08	21.2	0.0	
100	QPSK	135	138	19.87	20.00	19.91			
100	QPSK	270	0	19.94	20.04	19.98	21.2	0.0	
100	16QAM	1	1	19.51	19.26	19.27			
100	64QAM	1	1	19.35	19.27	19.31	21.2	0.0	
100	256QAM	1	1	19.20	19.26	19.22			
Channel				64968	65600	66232	turn-up limit (dBm)	MPR	
Frequency (MHz)				3743.02	2340	2334.88	(dBm)	(dB)	
90	PV2 BPSK	1	1	19.32	19.32	19.32	21.2	0.0	
90	PV2 BPSK	1	137	20.32	20.32	20.32			
Channel				3740.01	3840	3939.99	turn-up limit (dBm)	MPR	
80	PV2 BPSK	1	1	19.27	19.33	19.23	21.2	0.0	
80	PV2 BPSK	1	137	20.27	20.33	20.23			
Channel				64900	65600	66300	turn-up limit (dBm)	MPR	
Frequency (MHz)				3734 <th>2340</th> <td>2340</td> <th>(dBm)</th> <th>(dB)</th> <th></th>	2340	2340	(dBm)	(dB)	
70	PV2 BPSK	1	1	19.24	19.30	19.25	21.2	0.0	
70	PV2 BPSK	1	137	20.24	20.30	20.25			
Channel				64868	65600	66332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	2340	2349.98 <th>(dBm)</th> <th>(dB)</th> <th></th>	(dBm)	(dB)	
60	PV2 BPSK	1	1	19.24	19.30	19.27	21.2	0.0	
60	PV2 BPSK	1	137	20.24	20.30	20.27			
Channel				64833 <th>65600</th> <th>66300</th> <th>turn-up limit (dBm)</th> <th>MPR</th> <th></th>	65600	66300	turn-up limit (dBm)	MPR	
Frequency (MHz)				3725.01 <th>3840</th> <td>3954.99</td> <th>(dBm)</th> <th>(dB)</th> <th></th>	3840	3954.99	(dBm)	(dB)	
50	PV2 BPSK	1	1	19.27	19.33	19.26	21.2	0.0	
50	PV2 BPSK	1	137	20.27	20.33	20.26			
Channel				64800	65600	66400	turn-up limit (dBm)	MPR	
Frequency (MHz)				3720 <td>2340</td> <td>2340</td> <th>(dBm)</th> <th>(dB)</th> <th></th>	2340	2340	(dBm)	(dB)	
40	PV2 BPSK	1	1	19.25	19.29	19.25	21.2	0.0	
40	PV2 BPSK	1	137	20.25	20.29	20.25			
Channel				64768	65600	66432	turn-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	2340	2364.98	(dBm)	(dB)	
30	PV2 BPSK	1	1	19.28	19.30	19.23	21.2	0.0	
30	PV2 BPSK	1	137	20.28	20.30	20.23			
Channel				64733 <th>65600</th> <th>66400</th> <th>turn-up limit (dBm)</th> <th>MPR</th> <th></th>	65600	66400	turn-up limit (dBm)	MPR	
Frequency (MHz)				3710.01 <th>3840</th> <td>3959.99</td> <th>(dBm)</th> <th>(dB)</th> <th></th>	3840	3959.99	(dBm)	(dB)	
25	PV2 BPSK	1	1	19.27	19.31	19.26	21.2	0.0	
25	PV2 BPSK	1	137	20.27	20.31	19.26			
Channel				64734 <th>65600</th> <th>66468</th> <th>turn-up limit (dBm)</th> <th>MPR</th> <th></th>	65600	66468	turn-up limit (dBm)	MPR	
Frequency (MHz)				3710.01 <th>3840</th> <td>3959.99</td> <th>(dBm)</th> <th>(dB)</th> <th></th>	3840	3959.99	(dBm)	(dB)	
20	PV2 BPSK	1	1	19.26	19.31	19.26	21.2	0.0	
20	PV2 BPSK	1	137	20.26	20.31	19.26			
Channel				64718	65600	66482 <th>turn-up limit (dBm)</th> <th>MPR</th> <th></th>	turn-up limit (dBm)	MPR	
Frequency (MHz)				3707.52 <th>3840<td>3972.48</td><th>(dBm)</th><th>(dB)</th><th></th></th>	3840 <td>3972.48</td> <th>(dBm)</th> <th>(dB)</th> <th></th>	3972.48	(dBm)	(dB)	
15	PV2 BPSK	1	1	19.27	19.29	19.25	21.2	0.0	
15	PV2 BPSK	1	137	20.27	19.29	19.25			
Channel				64700	65600	66500	turn-up limit (dBm)	MPR	
Frequency (MHz)				3712 <td>2340</td> <td>2374</td> <th>(dBm)</th> <th>(dB)</th> <th></th>	2340	2374	(dBm)	(dB)	
10	PV2 BPSK	1	1	19.24	19.32	19.23	21.2	0.0	
10	PV2 BPSK	1	137	20.24	20.32	19.23			

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334	3500.01				
Frequency (MHz)									
100	PI/2 BPSK	1	1		17.10				
100	PI/2 BPSK	1	137		17.62		18.7	0.0	
100	PI/2 BPSK	1	271		17.26				
100	PI/2 BPSK	135	0		17.61		18.7	0.0	
100	PI/2 BPSK	135	69		17.73		18.7	0.0	
100	PI/2 BPSK	135	138		17.64		18.7	0.0	
100	PI/2 BPSK	270	0		17.74		18.7	0.0	
100	QPSK	1	1		17.09				
100	QPSK	1	137		17.72		18.7	0.0	
100	QPSK	1	271		17.18				
100	QPSK	135	0		17.56				
100	QPSK	135	69		17.74		18.7	0.0	
100	QPSK	135	138		17.56				
100	QPSK	270	0		17.67		18.7	0.0	
100	16QAM	1	1		17.06		18.7	0.0	
100	64QAM	1	1		16.86		18.7	0.0	
100	256QAM	1	1		14.55		15.2	3.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		17.03	17.06	17.00	18.7	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1		17.04	17.08	17.02	18.7	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1		17.00	17.08	17.01	18.7	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		17.01	17.05	17.01	18.7	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		17.00	17.06	17.02	18.7	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		17.01	17.08	17.02	18.7	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		17.01	17.09	17.02	18.7	0.0
Channel				630334	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1		17.02	17.06	17.01	18.7	0.0
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		17.01	17.09	17.03	18.7	0.0
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1		17.04	17.07	17.02	18.7	0.0
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1		17.02	17.08	17.02	18.7	0.0

n77(Part 27Q)_Ant 6(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up (dbm)	MPR (db)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		20.12		21.7	0.0	
100	PI/2 BPSK	1	137		20.63				
100	PI/2 BPSK	1	271		20.20				
100	PI/2 BPSK	135	0		20.67		21.7	0.0	
100	PI/2 BPSK	135	69		20.73				
100	PI/2 BPSK	135	138		20.57				
100	PI/2 BPSK	270	0		20.66		21.7	0.0	
100	QPSK	1	1		20.07				
100	QPSK	1	137		20.79				
100	QPSK	1	271		20.21		21.7	0.0	
100	QPSK	135	0		20.65				
100	QPSK	135	69		20.71				
100	QPSK	135	138		20.56		21.7	0.0	
100	QPSK	270	0		20.68				
100	16QAM	1	1		20.00				
100	64QAM	1	1		19.82		21.7	0.0	
100	256QAM	1	1		17.04				
100	256QAM	1	1		18.2	3.5			
Channel				633000	633334	633668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		20.05	20.07	20.04	21.7	0.0
Channel				632668	633334	634000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1		20.04	20.07	20.02	21.7	0.0
Channel				632334	633334	634332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01 <td>3500.01</td> <td>3514.98</td> <td></td> <td></td> <td></td>	3500.01	3514.98			
70	PI/2 BPSK	1	1		20.06	20.08	20.01	21.7	0.0
Channel				632000	633334	634668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480 <td>3500.01</td> <td>3519.99</td> <td></td> <td></td> <td></td>	3500.01	3519.99			
60	PI/2 BPSK	1	1		20.05	20.08	20.03	21.7	0.0
Channel				631668 <td>633334</td> <td>635000</td> <td>tune-up limit (dbm)</td> <td>MPR (db)</td> <td></td>	633334	635000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02 <td>3500.01</td> <td>3525</td> <td></td> <td></td> <td></td>	3500.01	3525			
50	PI/2 BPSK	1	1		20.07	20.08	20.00	21.7	0.0
Channel				631334 <td>633334</td> <td>635332</td> <td>tune-up limit (dbm)</td> <td>MPR (db)</td> <td></td>	633334	635332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01 <td>3500.01</td> <td>3529.98</td> <td></td> <td></td> <td></td>	3500.01	3529.98			
40	PI/2 BPSK	1	1		20.03	20.07	20.04	21.7	0.0
Channel				631000 <td>633334</td> <td>635668</td> <td>tune-up limit (dbm)</td> <td>MPR (db)</td> <td></td>	633334	635668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465 <td>3500.01</td> <td>3534.99</td> <td></td> <td></td> <td></td>	3500.01	3534.99			
30	PI/2 BPSK	1	1		20.04	20.09	20.01	21.7	0.0
Channel				630334 <td>633334</td> <td>636000</td> <td>tune-up limit (dbm)</td> <td>MPR (db)</td> <td></td>	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51 <td>3500.01</td> <td>3537.48</td> <td></td> <td></td> <td></td>	3500.01	3537.48			
25	PI/2 BPSK	1	1		20.06	20.08	20.04	21.7	0.0
Channel				630668 <td>633334</td> <td>636000</td> <td>tune-up limit (dbm)</td> <td>MPR (db)</td> <td></td>	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02 <td>3500.01</td> <td>3540</td> <td></td> <td></td> <td></td>	3500.01	3540			
20	PI/2 BPSK	1	1		20.09	20.07	20.04	21.7	0.0
Channel				630500 <td>633334</td> <td>636168</td> <td>tune-up limit (dbm)</td> <td>MPR (db)</td> <td></td>	633334	636168	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5 <td>3500.01</td> <td>3542.49</td> <td></td> <td></td> <td></td>	3500.01	3542.49			
15	PI/2 BPSK	1	1		20.07	20.08	20.01	21.7	0.0
Channel				630334 <td>633334</td> <td>636332</td> <td>tune-up limit (dbm)</td> <td>MPR (db)</td> <td></td>	633334	636332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01 <td>3500.01</td> <td>3544.98</td> <td></td> <td></td> <td></td>	3500.01	3544.98			
10	PI/2 BPSK	1	1		20.07	20.10	20.04	21.7	0.0

n77(Part 270)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				655000	656000	662000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	17.18	17.29	17.17	18.7	0.0	
100	PI/2 BPSK	1	137	17.92	17.98	17.89			
100	PI/2 BPSK	1	271	17.27	17.35	17.28			
100	PI/2 BPSK	135	0	17.77	17.83	17.80	18.7	0.0	
100	PI/2 BPSK	135	69	17.83	17.97	17.90	18.7	0.0	
100	PI/2 BPSK	135	138	17.74	17.86	17.74	18.7	0.0	
100	PI/2 BPSK	270	0	17.76	17.85	17.74			
100	QPSK	1	1	17.20	17.18	17.10			
100	QPSK	1	137	17.86	17.92	17.80	18.7	0.0	
100	QPSK	1	271	17.22	17.27	17.17			
100	QPSK	135	0	17.86	17.74	17.72			
100	QPSK	135	69	17.84	17.95	17.82	18.7	0.0	
100	QPSK	135	138	17.72	17.79	17.76			
100	QPSK	270	0	17.72	17.89	17.76			
100	16QAM	1	1	17.09	17.12	17.05	18.7	0.0	
100	64QAM	1	1	16.86	16.90	16.80	18.7	0.0	
100	256QAM	1	1	14.81	14.89	14.84	15.2	3.5	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	17.15	17.24	17.15	18.7	0.0	
Channel				645334	652000	658666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	17.13	17.28	17.16	18.7	0.0	
Channel				648000	656000	663000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3735	3840	3945 <th colspan="3"></th>			
70	PI/2 BPSK	1	1	17.15	17.27	17.13	18.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	17.13	17.26	17.12	18.7	0.0	
Channel				645334	652000	658666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	17.15	17.24	17.13	18.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	17.14	17.26	17.16	18.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3715.02	3840	3954.98			
30	PI/2 BPSK	1	1	17.14	17.28	17.15	18.7	0.0	
Channel				645330	652000	658500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3712.5 <th>3840</th> <th>3967.5<th colspan="3"></th></th>	3840	3967.5 <th colspan="3"></th>			
25	PI/2 BPSK	1	1	17.17	17.26	17.14	18.7	0.0	
Channel				647334	656000	664666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	17.13	17.28	17.13	18.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	17.16	17.26	17.13	18.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3705	3840	3975 <th colspan="3"></th>			
10	PI/2 BPSK	1	1	17.13	17.25	17.16	18.7	0.0	

n77(Part 270)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				655000	656000	662000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	20.22	20.26	20.18	21.7	0.0	
100	PI/2 BPSK	1	137	20.89	21.03	20.93			
100	PI/2 BPSK	1	271	20.24	20.34	20.27			
100	PI/2 BPSK	135	0	20.82	20.81	20.72	21.7	0.0	
100	PI/2 BPSK	135	69	20.86	21.00	20.89	21.7	0.0	
100	PI/2 BPSK	135	138	20.79	20.85	20.78	21.7	0.0	
100	PI/2 BPSK	270	0	20.75	20.81	20.73			
100	QPSK	1	1	20.15	20.24	20.12			
100	QPSK	1	137	20.93	20.98	20.85	21.7	0.0	
100	QPSK	1	271	20.19	20.25	20.14			
100	QPSK	135	0	20.89	20.76	20.75			
100	QPSK	135	69	20.84	20.94	20.84	21.7	0.0	
100	QPSK	135	138	20.75	20.75	20.73			
100	QPSK	270	0	20.76	20.83	20.74			
100	16QAM	1	1	20.06	20.20	20.10	21.7	0.0	
100	64QAM	1	1	18.68	18.81	18.70	20.2	1.5	
100	256QAM	1	1	17.20	17.23	17.18	18.2	3.5	
Channel				648668	656000	662332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	20.21	20.25	20.14	21.7	0.0	
Channel				649334	656000	662666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	20.19	20.24	20.13	21.7	0.0	
Channel				648000	656000	663000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	20.17	20.21	20.14	21.7	0.0	
Channel				648668	656000	663332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	20.19	20.22	20.13	21.7	0.0	
Channel				649334	656000	663666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	20.17	20.24	20.14	21.7	0.0	
Channel				648000	656000	664000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	20.19	20.25	20.16	21.7	0.0	
Channel				647668	656000	664332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3840	3954.98			
30	PI/2 BPSK	1	1	20.20	20.23	20.14	21.7	0.0	
Channel				645330	652000	658500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	20.19	20.25	20.15	21.7	0.0	
Channel				647334	656000	664666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	20.20	20.26	20.17	21.7	0.0	
Channel				647168	656000	664832	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	20.20	20.25	20.15	21.7	0.0	
Channel				647000	656000	665000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	20.19	20.22	20.15	21.7	0.0	



Conducted Power for DSI 9

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42			
20	Pl2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	Pl2 BPSK	50	26	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	Pl2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.36			
20	QPSK	50	0	23.09	23.06	23.01	23.7	1.0	
20	QPSK	50	26	23.61	23.63	23.61	24.7	0.0	
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0	
20	64QAM	1	1	21.28	21.31	21.16	22.2	2.5	
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.51	23.55	23.53	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.33	23.41	23.34	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.59	23.62	23.56	24.7	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.47	23.47	23.35	24.7	0.0	
20	Pl2 BPSK	1	53	23.56	23.62	23.47			
20	Pl2 BPSK	1	104	23.50	23.52	23.33			
20	Pl2 BPSK	50	0	23.55	23.56	23.46	24.2	0.5	
20	Pl2 BPSK	50	26	23.57	23.61	23.51	24.7	0.0	
20	Pl2 BPSK	50	56	23.56	23.59	23.46	24.2	0.5	
20	Pl2 BPSK	100	0	23.58	23.60	23.46			
20	QPSK	1	1	23.44	23.46	23.32			
20	QPSK	1	53	23.52	23.56	23.45	24.7	0.0	
20	QPSK	1	104	23.43	23.46	23.26			
20	QPSK	50	0	23.04	23.05	22.96	23.7	1.0	
20	QPSK	50	26	23.59	23.57	23.45	24.7	0.0	
20	QPSK	50	56	23.05	23.12	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.11	23.00			
20	16QAM	1	1	22.64	22.72	22.59	23.7	1.0	
20	64QAM	1	1	21.23	21.23	21.12	22.2	2.5	
20	256QAM	1	1	19.81	19.85	19.66	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.46	23.52	23.47	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.29	23.34	23.29	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.48	23.56	23.50	24.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22			
20	Pl2 BPSK	50	0	21.46	21.46	21.38	22.2	0.5	
20	Pl2 BPSK	50	26	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38	22.2	0.5	
20	Pl2 BPSK	100	0	21.46	21.51	21.45			
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.36	22.7	0.0	
20	QPSK	1	104	21.42	21.36	21.25			
5	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	26	21.51	21.52	21.41	22.7	0.0	
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0	
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5	
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.38	23.49	23.45	24.7	0.0	
40	PI2 BPSK	1	108	23.98	24.04	24.02			
40	PI2 BPSK	1	214	23.47	23.48	23.53	24.2	0.5	
40	PI2 BPSK	108	0	23.37	23.45	23.45			
40	PI2 BPSK	108	54	24.01	24.02	24.01	24.2	0.5	
40	PI2 BPSK	108	108	23.34	23.44	23.38			
40	PI2 BPSK	216	0	23.41	23.45	23.42	24.7	0.0	
40	QPSK	1	1	23.48	23.45	23.45			
40	QPSK	1	108	23.95	24.01	24.00	23.7	1.0	
40	QPSK	1	214	23.45	23.47	23.51			
40	QPSK	108	0	22.88	22.95	22.94	23.7	0.0	
40	QPSK	108	54	23.98	24.01	24.01			
40	QPSK	108	108	22.85	22.94	22.83	23.7	1.0	
40	QPSK	216	0	22.84	22.93	22.92			
40	16QAM	1	1	22.15	22.21	22.21	23.7	1.0	
40	64QAM	1	1	20.68	20.76	20.73			
40	256QAM	1	1	19.28	19.31	19.30	20.2	4.5	
Channel				373000	376500	380000			
Frequency (MHz)				1885	1882.5	1900	turn-up limit (dbm)		MPR (db)
30	PI2 BPSK	1	1	23.60	23.62	23.58	24.7	0.0	
Channel				372500	376500	380500	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1892.5	1882.5	1902.5	18.1	0.0 <td></td>	
25	PI2 BPSK	1	1	23.81	23.88	23.81	24.7	0.0	
Channel				372000	376500	381000	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1860 <th>1862.5</th> <th>1905<th>18.1</th><th>0.0<td></td></th></th>	1862.5	1905 <th>18.1</th> <th>0.0<td></td></th>	18.1	0.0 <td></td>	
20	PI2 BPSK	1	1	23.96	23.98	23.92	24.7	0.0	
Channel				371500	376500	381500	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1857.5	1882.5	1907.5	18.1	0.0 <td></td>	
15	PI2 BPSK	1	1	23.90	24.02	23.94	24.7	0.0	
Channel				371000	376500	382000	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1850 <th>1882.5</th> <th>1910</th> <th>18.1</th> <th>0.0<td></td></th>	1882.5	1910	18.1	0.0 <td></td>	
10	PI2 BPSK	1	1	23.90	23.98	23.91	24.7	0.0	
Channel				370500	376500	382500	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1852.5	1882.5	1912.5	18.1	0.0 <td></td>	
5	PI2 BPSK	1	1	23.90	24.01	23.93	24.7	0.0	

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.35	23.46	23.45	24.7	0.0	
40	PI2 BPSK	1	108	23.94	24.00	23.97			
40	PI2 BPSK	1	214	23.45	23.45	23.44	24.2	0.5	
40	PI2 BPSK	108	0	23.38	23.38	23.34			
40	PI2 BPSK	108	54	23.60	23.60	23.65	24.2	0.5	
40	PI2 BPSK	108	108	23.43	23.29	23.33			
40	PI2 BPSK	216	0	23.38	23.40	23.36	24.7	0.0	
40	QPSK	1	1	23.31	23.43	23.42			
40	QPSK	1	108	23.92	23.98	23.95	24.7	0.0	
40	QPSK	1	214	23.38	23.41	23.43			
40	QPSK	108	0	22.88	22.89	22.83	23.7	1.0	
40	QPSK	108	54	23.91	23.95	23.92			
40	QPSK	108	108	22.91	22.79	22.78	23.7	1.0	
40	QPSK	216	0	22.88	22.86	22.82			
40	16QAM	1	1	22.08	22.18	22.15	23.7	1.0	
40	64QAM	1	1	20.62	20.73	20.68	22.2	2.5	
40	256QAM	1	1	19.24	19.32	19.30	20.2	4.5	
Channel				373000	376500	380000			
Frequency (MHz)				1882.5	1882.5	1900	turn-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	23.59	23.62	23.61	24.7	0.0	
Channel				372500 <th>376500</th> <th>380500</th> <th>turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>	376500	380500	turn-up limit (dB)	MPR (dB)	
Frequency (MHz)				1892.5	1882.5	1902.5	18.1	0.0 <td></td>	
25	PI2 BPSK	1	1	23.75	23.81	23.74	24.7	0.0	
Channel				372000	376500	381000	turn-up limit (dB)	MPR (dB)	
Frequency (MHz)				1860 <th>1862.5</th> <th>1905</th> <th>limit (dBm)</th> <th></th> <td></td>	1862.5	1905	limit (dBm)		
20	PI2 BPSK	1	1	23.94	23.98	23.97	24.7	0.0	
Channel				371500	376500	381500	turn-up limit (dB)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	18.1	0.0 <td></td>	
15	PI2 BPSK	1	1	23.96	23.99	23.98	24.7	0.0	
Channel				371000	376500	382000	turn-up limit (dB)	MPR (dB)	
Frequency (MHz)				1850	1882.5	1910	18.1	0.0 <td></td>	
10	PI2 BPSK	1	1	23.88	23.91	23.89	24.7	0.0	
Channel				370500	376500	382500	turn-up limit (dB)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	18.1	0.0 <td></td>	
5	PI2 BPSK	1	1	23.94	23.98	23.94	24.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	21.31	21.38	21.38	22.7	0.0	
40	PI2 BPSK	1	108	21.88	21.89	21.88			
40	PI2 BPSK	1	214	21.29	21.31	21.35	22.2	0.5	
40	PI2 BPSK	108	0	21.81	21.82	21.85			
40	PI2 BPSK	108	54	21.86	21.88	21.87	22.2	0.0	
40	PI2 BPSK	108	108	21.82	21.72	21.71			
40	PI2 BPSK	216	0	21.76	21.79	21.75	22.7	0.5	
40	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.88	21.87	22.7	0.0	
40	QPSK	1	214	21.35	21.33	21.31			
40	QPSK	108	0	21.28	21.30	21.28	21.7	1.0	
40	QPSK	108	54	21.83	21.87	21.86			
40	QPSK	108	108	21.28	21.24	21.22	21.7	1.0	
40	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60	21.7	1.0	
40	64QAM	1	1	19.13	19.19	19.17	20.2	2.5	
40	256QAM	1	1	17.71	17.79	17.78	18.2	4.5	
Channel				373000	376500	380000	18.1	MPR	
Frequency (MHz)				1885	1882.5	1900	turn-up limit (dBm)		
30	PI2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
Channel				372500	376500	380500	turn-up limit (dB)	MPR	
Frequency (MHz)				1892.5	1882.5	1902.5	18.1	0.0	
25	PI2 BPSK	1	1	21.69	21.74	21.72	22.7	0.0	
Channel				372000	376500	381000	turn-up limit (dB)	MPR	
Frequency (MHz)				1860	1862.5	1905	limit (dBm)		
20	PI2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
Channel				371500	376500	381500	turn-up limit (dB)	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5	18.1	0.0	
15	PI2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
Channel				371000	376500	382000	turn-up limit (dB)	MPR	
Frequency (MHz)				1850	1882.5	1910	18.1	0.0	
10	PI2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
Channel				370500	376500	382500	turn-up limit (dB)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	18.1	0.0	
5	PI2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	345000	352000			
Channel				1725	1745	1765			
Frequency (MHz)									
40	Pl2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0	
40	Pl2 BPSK	1	108	23.95	23.98	23.91			
40	Pl2 BPSK	1	214	23.35	23.38	23.34			
40	Pl2 BPSK	108	0	23.38	23.32	23.35	24.2	0.5	
40	Pl2 BPSK	108	54	23.94	23.95	23.92	24.7	0.0	
40	Pl2 BPSK	108	108	23.54	23.22	23.54	24.2	0.5	
40	Pl2 BPSK	216	0	23.48	23.50	23.42			
40	QPSK	1	1	23.51	23.38	23.38			
40	QPSK	1	108	23.94	23.92	23.89	24.7	0.0	
40	QPSK	1	214	23.38	23.35	23.31			
40	QPSK	108	0	22.85	22.81	22.84			
40	QPSK	108	54	23.92	23.94	23.91	24.7	0.0	
40	QPSK	108	108	23.02	22.88	23.00	23.7	1.0	
40	QPSK	216	0	22.98	22.75	22.91			
40	16QAM	1	1	22.23	22.13	22.14			
40	64QAM	1	1	20.78	20.70	20.69	22.2	2.5	
40	256QAM	1	1	19.42	19.28	19.31	20.2	4.5	
Channel				345000	345000	352000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	Pl2 BPSK	1	1	23.65	23.68	23.60	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1767.5			
25	Pl2 BPSK	1	1	23.67	23.62	23.60	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	Pl2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0	
Channel				343500	349000	354500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	Pl2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5 <td>1745</td> <td>1777.5</td> <th colspan="3"></th>	1745	1777.5			
5	Pl2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	352000			
Channel				1745	1765	1785			
Frequency (MHz)									
40	PV2 BPSK	1	1	23.28	23.30	23.24	24.7	0.0	
40	PV2 BPSK	1	108	23.79	23.82	23.78			
40	PV2 BPSK	1	214	23.20	23.24	23.23			
40	PV2 BPSK	108	0	23.28	23.01	23.33	24.2	0.5	
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0	
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5	
40	PV2 BPSK	216	0	23.38	23.40	23.37			
40	QPSK	1	1	23.31	23.18	23.21			
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0	
40	QPSK	1	214	23.21	23.21	23.20			
40	QPSK	108	0	22.80	22.48	22.81			
40	QPSK	108	54	23.75	23.77	23.76	24.7	0.0	
40	QPSK	108	108	22.92	22.47	22.93	23.7	1.0	
40	QPSK	216	0	22.86	22.51	22.83			
40	16QAM	1	1	22.00	21.98	21.95			
40	64QAM	1	1	20.59	20.52	20.52	22.2	2.5	
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5	
Channel				345000	349000	353000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	23.42	23.47	23.45	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	23.67	23.72	23.73	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	23.73	23.78	23.73	24.7	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	23.72	23.80	23.76	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	23.71	23.75	23.68	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	23.75	23.81	23.73	24.7	0.0	

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				69.5	660.5	668		
Frequency (MHz)				69.5	660.5	668		
20	Pl/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	Pl/2 BPSK	1	53	24.10	24.21	24.15		
20	Pl/2 BPSK	1	104	23.98	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.16	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.26	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				69.5	660.5	662.5	662.5	0.0
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	660.5	663	663	0.0
10	Pl/2 BPSK	1	1	23.88 <td>23.95<td>23.89</td><td>25.2</td><td>0.0</td></td>	23.95 <td>23.89</td> <td>25.2</td> <td>0.0</td>	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	665.5	0.0
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				69.5	660.5	668		
Frequency (MHz)				69.5	660.5	668		
20	Pl/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0
20	Pl/2 BPSK	1	53	24.14	24.19	24.16		
20	Pl/2 BPSK	1	104	23.99	24.08	24.02		
20	Pl/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5
20	Pl/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0
20	Pl/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	Pl/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.08	23.25	23.18		
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				133100	136100	139100	138100	MPR (dB)
Frequency (MHz)				69.5	660.5	663	663	0.0
15	Pl/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663	663	0.0
10	Pl/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	665.5	0.0
5	Pl/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0

n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.			
				Channel	508202	518598			
				Frequency (MHz)	2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	21.77	21.78	21.63			
100	Pi2 BPSK	1	137	22.51	22.59	22.48	23.4	0.0	
100	Pi2 BPSK	1	271	21.07	21.70	21.63			
100	Pi2 BPSK	135	0	22.35	22.36	22.31	23.4	0.0	
100	Pi2 BPSK	135	69	22.51	22.54	22.48	23.4	0.0	
100	Pi2 BPSK	135	138	22.35	22.37	22.33			
100	Pi2 BPSK	270	0	22.35	22.37	22.31	23.4	0.0	
100	QPSK	1	1	21.84	21.87	21.81			
100	QPSK	1	137	22.53	22.58	22.37	23.4	0.0	
100	QPSK	1	271	21.83	21.82	21.84			
100	QPSK	135	0	22.35	22.32	22.32			
100	QPSK	135	69	22.53	22.56	22.51	23.4	0.0	
100	QPSK	135	138	22.43	22.32	22.37			
100	QPSK	270	0	22.35	22.31	22.36	23.4	0.0	
100	16QAM	1	1	21.37	21.45	21.46	22.4	1.0	
100	64QAM	1	1	21.46	21.48	21.47	22.4	1.0	
100	256QAM	1	1	20.91	20.93	20.95	21.9	1.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	21.72	21.67	21.60	23.4	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	21.62	21.68	21.50	23.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	21.05	21.63	21.54	23.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	21.77	21.67	21.68	23.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	21.90	21.94	21.66	23.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2518.01	2592.99	2670			
40	Pi2 BPSK	1	1	21.88	21.84	21.68	23.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	21.85	21.85	21.73	23.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	21.86	21.79	21.72	23.4	0.0	

n41_Ant 0(PHUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	Pi2 BPSK	1	1	24.51	24.54	24.48	26.4	0.0	
100	Pi2 BPSK	1	137	25.12	25.23	25.10			
100	Pi2 BPSK	1	271	24.46	24.53	24.42			
100	Pi2 BPSK	135	0	25.09	25.15	25.05			
100	Pi2 BPSK	135	69	25.12	25.16	25.09	26.4	0.0	
100	Pi2 BPSK	135	138	25.09	25.11	25.01	26.4	0.0	
100	Pi2 BPSK	270	0	25.07	25.15	25.01			
100	QPSK	1	1	24.49	24.52	24.47			
100	QPSK	1	137	25.19	25.22	25.16			
100	QPSK	1	271	24.46	24.51	24.43	26.4	0.0	
100	QPSK	135	0	24.59	24.61	24.51			
100	QPSK	135	69	25.14	25.21	25.16			
100	QPSK	135	138	24.50	24.55	24.54			
100	QPSK	270	0	24.56	24.59	24.58	25.4	1.0	
100	16QAM	1	1	23.58	23.67	23.62	25.4	1.0	
100	64QAM	1	1	22.17	22.21	22.19	23.9	2.5	
100	256QAM	1	1	21.08	21.16	21.15	21.9	4.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	24.49	24.67	24.60	26.4	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	24.61	24.65	24.59	26.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	24.47	24.50	24.55	26.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	24.63	24.71	24.68	26.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	24.61	24.75	24.62	26.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2518.01	2592.99	2670			
40	Pi2 BPSK	1	1	24.62	24.70	24.77	26.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	24.65	24.69	24.70	26.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	24.76	24.63	24.71	26.4	0.0	

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				Channel					
				2548.01	2592.99	2640			
100	Pi2 BPSK	1	1	20.57	20.62	20.55	21.9	0.0	
100	Pi2 BPSK	1	137	21.14	21.21	21.14			
100	Pi2 BPSK	1	271	20.57	20.52	20.55			
100	Pi2 BPSK	135	0	20.90	20.97	20.97			
100	Pi2 BPSK	135	69	21.15	21.16	21.05	21.9	0.0	
100	Pi2 BPSK	135	138	20.82	20.97	20.79	21.9	0.0	
100	Pi2 BPSK	270	0	20.86	21.00	20.95			
100	QPSK	1	1	20.44	20.55	20.49			
100	QPSK	1	137	21.07	21.14	20.97			
100	QPSK	1	271	20.49	20.52	20.55	21.9	0.0	
100	QPSK	135	0	20.88	20.93	20.85			
100	QPSK	135	69	21.11	21.15	21.05			
100	QPSK	135	138	20.86	20.87	20.79			
100	QPSK	270	0	20.80	20.94	20.79	21.9	0.0	
100	16QAM	1	1	20.54	20.63	20.60	21.9	0.0	
100	64QAM	1	1	20.58	20.58	20.54	21.9	0.0	
100	256QAM	1	1	21.05	21.13	21.01	21.9	0.0	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	20.55	20.58	20.54	21.9	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	20.53	20.61	20.54	21.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	20.56	20.59	20.50	21.9	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	20.54	20.61	20.54	21.9	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	20.55	20.61	20.54	21.9	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi2 BPSK	1	1	20.54	20.59	20.52	21.9	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	20.55	20.59	20.52	21.9	0.0	
Channel				501202	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	20.52	20.59	20.54	21.9	0.0	

n41_Ant 1(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.06	23.09	23.08			
100	PI/2 BPSK	1	137	23.86	23.88	23.84	24.9	0.0	
100	PI/2 BPSK	1	271	22.99	23.08	23.04			
100	PI/2 BPSK	135	0	23.66	23.69	23.73	24.9	0.0	
100	PI/2 BPSK	135	69	23.82	23.83	23.70	24.9	0.0	
100	PI/2 BPSK	135	138	23.59	23.64	23.46	24.9	0.0	
100	PI/2 BPSK	270	0	23.63	23.68	23.58			
100	QPSK	1	1	23.95	23.05	23.06			
100	QPSK	1	137	23.83	23.79	23.68	24.9	0.0	
100	QPSK	1	271	23.03	23.09	23.01			
100	QPSK	135	0	23.59	23.69	23.56	24.9	0.0	
100	QPSK	135	69	23.76	23.82	23.71			
100	QPSK	135	138	23.52	23.65	23.48			
100	QPSK	270	0	23.49	23.64	23.51	24.9	0.0	
100	16QAM	1	1	23.06	23.11	23.06	24.9	0.0	
100	64QAM	1	1	22.17	22.19	22.24	23.9	1.0	
100	256QAM	1	1	21.13	21.16	21.13	21.9	3.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	23.05	23.07	23.04	24.9	0.0	
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	23.05	23.04	23.03	24.9	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	23.04	23.08	23.05	24.9	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	23.01	23.05	23.04	24.9	0.0	
Channel				532204	518598	532998	limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	23.05	23.05	23.06	24.9	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	23.04	23.06	23.04	24.9	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	23.02	23.05	23.05	24.9	0.0	
Channel				532204	518598	532998	limit (dB)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	23.02	23.05	23.07	24.9	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	14.69	14.52	14.51			
100	PI/2 BPSK	1	137	15.12	15.33	14.62	16.2		0.0
100	PI/2 BPSK	1	271	14.53	14.62	14.66			
100	PI/2 BPSK	135	0	15.02	15.11	15.00	16.2		0.0
100	PI/2 BPSK	135	69	15.23	15.30	14.84	16.2		0.0
100	PI/2 BPSK	135	138	15.11	15.28	15.06	16.2		0.0
100	PI/2 BPSK	270	0	15.15	15.21	15.11			
100	QPSK	1	1	14.26	14.21	14.21			
100	QPSK	1	137	14.66	14.95	14.29	16.2		0.0
100	QPSK	1	271	14.33	14.23	14.41			
100	QPSK	135	0	14.62	14.75	14.52			
100	QPSK	135	69	14.96	14.95	14.25	16.2		0.0
100	QPSK	135	138	14.76	14.71	14.99			
100	QPSK	270	0	14.71	14.74	14.82	16.2		0.0
100	16QAM	1	1	13.93	13.96	14.12	15.2		1.0
100	64QAM	1	1	13.93	13.97	14.17	15.2		1.0
100	256QAM	1	1	13.43	13.46	13.61	14.7		1.5
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	14.44	14.47	14.27	16.2		0.0
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	14.46	14.48	14.39	16.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	14.43	14.48	14.20	16.2		0.0
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	14.61	14.71	14.36	16.2		0.0
Channel				532204	518598	532998	limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	14.60	14.57	14.35	16.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	14.61	14.67	14.53	16.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	14.50	14.60	14.35	16.2		0.0
Channel				532204	518598	532998	limit (dB)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	14.57	14.74	14.44	16.2		0.0

n41_Ant 3(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq			
Channel				506202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	17.30	17.36	17.53			
100	PQ2 BPSK	1	137	17.78	18.12	17.41	19.2	0.0	
100	PQ2 BPSK	1	271	17.29	17.33	17.51			
100	PQ2 BPSK	135	0	17.70	17.71	17.22	18.7	0.5	
100	I2	135	69	17.52	18.02	17.41	19.2	0.0	
100	PQ2 BPSK	135	138	17.88	17.31	17.84			
100	PQ2 BPSK	270	0	17.59	17.66	17.56	18.7	0.5	
100	QPSK	1	1	17.21	17.23	17.41			
100	QPSK	1	137	17.39	18.11	17.41	19.2	0.0	
100	QPSK	1	271	17.25	17.29	17.43			
100	QPSK	135	0	17.24	17.26	17.71			
100	QPSK	135	69	17.57	17.62	17.41	19.2	0.0	
100	QPSK	135	138	17.34	17.28	17.72			
100	QPSK	270	0	17.29	17.31	17.42	18.2	1.0	
100	16QAM	1	1	18.20	18.22	18.57	18.2	1.0	
100	64QAM	1	1	14.79	14.83	15.16	16.7	2.5	
100	256QAM	1	1	13.78	13.82	14.11	14.7	4.5	
Channel				50200	51898	52896	turn-up limit (dbm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(db)		
90	PQ2 BPSK	1	1	17.21	17.33	17.28	19.2	0.0	
Channel				507204	518998	529996	limit (db)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(db)		
80	PQ2 BPSK	1	1	17.25	17.29	17.23	19.2	0.0	
Channel				506202	518998	531000	turn-up limit (dbm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(db)		
70	PQ2 BPSK	1	1	17.23	17.29	17.21	19.2	0.0	
Channel				505200	518998	531996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(db)		
60	PQ2 BPSK	1	1	17.29	17.27	17.23	19.2	0.0	
Channel				504204	518998	532996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (db)		
50	PQ2 BPSK	1	1	17.22	17.29	17.22	19.2	0.0	
Channel				503202	518998	534000	turn-up limit (dbm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(db)		
40	PQ2 BPSK	1	1	17.20	17.27	17.26	19.2	0.0	
Channel				502200	518998	534996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(db)		
30	PQ2 BPSK	1	1	17.21	17.27	17.27	19.2	0.0	
Channel				50204	518998	535996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (db)		
20	PQ2 BPSK	1	1	17.20	17.22	17.21	19.2	0.0	

n41_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq			
Channel				506202	518988	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	15.32	15.39	15.31			
100	PQ2 BPSK	1	137	16.06	16.33	15.39	17.2		0.0
100	PQ2 BPSK	1	271	15.98	16.22	15.22			
100	PQ2 BPSK	135	0	15.98	16.09	15.91	17.2		0.0
100	PQ2 BPSK	135	69	15.95	16.15	15.46	17.2		0.0
100	PQ2 BPSK	135	138	15.89	15.94	15.49			
100	PQ2 BPSK	270	0	15.98	16.00	15.96	17.2		0.0
100	QPSK	1	1	15.41	15.50	15.42			
100	QPSK	1	137	15.98	16.07	15.25	17.2		0.0
100	QPSK	1	271	15.41	16.25	15.25			
100	QPSK	135	0	15.56	15.77	15.46			
100	QPSK	135	69	16.02	16.09	16.53	17.2		0.0
100	QPSK	135	138	15.67	15.34	15.34			
100	QPSK	270	0	15.47	15.81	15.90	17.2		0.0
100	16QAM	1	1	15.40	15.41	15.27	17.2		0.0
100	64QAM	1	1	15.41	15.50	15.41	17.2		0.0
100	256QAM	1	1	16.12	16.09	15.99	17.2		0.0
Channel				508200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	PQ2 BPSK	1	1	15.26	15.35	15.28	17.2		0.0
Channel				507204	51898	52996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	PQ2 BPSK	1	1	15.27	15.36	15.26	17.2		0.0
Channel				506202	51898	531000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	PQ2 BPSK	1	1	15.28	15.36	15.28	17.2		0.0
Channel				505200	51898	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	PQ2 BPSK	1	1	15.27	15.35	15.26	17.2		0.0
Channel				504204	51898	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	PQ2 BPSK	1	1	15.31	15.36	15.26	17.2		0.0
Channel				503202	51898	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	PQ2 BPSK	1	1	15.30	15.37	15.27	17.2		0.0
Channel				502200	51898	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	PQ2 BPSK	1	1	15.26	15.37	15.28	17.2		0.0
Channel				501204	51898	535996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	PQ2 BPSK	1	1	15.29	15.34	15.26	17.2		0.0

n41_Ant 4(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				506202	51898	52800			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	18.29	18.35	18.31			
100	PQ2 BPSK	1	137	19.05	19.34	19.30	20.2	0.0	
100	PQ2 BPSK	1	271	19.00	19.27	18.23			
100	PQ2 BPSK	135	0	19.97	19.06	18.96	20.2	0.0	
100	PQ2 BPSK	135	69	18.98	19.17	18.46	20.2	0.0	
100	PQ2 BPSK	135	138	18.93	18.92	18.53			
100	PQ2 BPSK	270	0	19.98	19.02	19.01			
100	QPSK	1	1	18.44	18.48	18.39			
100	QPSK	1	137	19.99	19.12	18.21	20.2	0.0	
100	QPSK	1	271	18.37	19.23	18.23			
100	QPSK	135	0	18.59	18.72	18.51			
100	QPSK	135	69	19.06	19.12	18.56	20.2	0.0	
100	QPSK	135	138	18.67	18.33	18.31			
100	QPSK	270	0	18.46	18.63	18.68	20.2	0.0	
100	16QAM	1	1	18.45	18.37	18.30	20.2	0.0	
100	64QAM	1	1	18.45	18.47	18.46	20.2	0.0	
100	256QAM	1	1	18.08	18.09	18.01	18.7	1.5	
Channel				508200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	PQ2 BPSK	1	1	18.26	18.30	18.26	20.2	0.0	
Channel				507204	51898	52996	turn-up limit (dB)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	PQ2 BPSK	1	1	18.24	18.30	18.28	20.2	0.0	
Channel				506202	51898	531000	turn-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	PQ2 BPSK	1	1	18.23	18.33	18.29	20.2	0.0	
Channel				505200	51898	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	PQ2 BPSK	1	1	18.25	18.28	18.29	20.2	0.0	
Channel				504204	51898	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)		
50	PQ2 BPSK	1	1	18.25	18.29	18.30	20.2	0.0	
Channel				503202	51898	534000	turn-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	PQ2 BPSK	1	1	18.24	18.29	18.28	20.2	0.0	
Channel				502200	51898	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	PQ2 BPSK	1	1	18.26	18.33	18.28	20.2	0.0	
Channel				501204	51898	535996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.03	2592.99	2679.99	(dB)		
20	PQ2 BPSK	1	1	18.24	18.30	18.27	20.2	0.0	

n77(Part 27Q)_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)		
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.				
Channel				633334						
Frequency (MHz)				3500.01						
100	Pi2 BPSK	1	1		9.50					
100	Pi2 BPSK	1	137		10.14		10.7	0.0		
100	Pi2 BPSK	1	271		9.38					
100	Pi2 BPSK	135	0		10.06		10.7	0.0		
100	Pi2 BPSK	135	69		10.12		10.7	0.0		
100	Pi2 BPSK	135	138		9.94					
100	Pi2 BPSK	270	0		9.94		10.7	0.0		
100	QPSK	1	1		9.52					
100	QPSK	1	137		10.13		10.7	0.0		
100	QPSK	1	271		9.34					
100	QPSK	135	0		9.91		10.7	0.0		
100	QPSK	135	69		10.01					
100	QPSK	135	138		9.92					
100	QPSK	270	0		9.87		10.7	0.0		
100	16QAM	1	1		9.24		10.7	0.0		
100	64QAM	1	1		9.35		10.7	0.0		
100	256QAM	1	1		9.88		10.7	0.0		
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3504.99				
90	Pi2 BPSK	1	1		9.45	9.46	9.46	10.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	Pi2 BPSK	1	1		9.44	9.46	9.45	10.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3514.99				
70	Pi2 BPSK	1	1		9.42	9.49	9.44	10.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3519.99				
60	Pi2 BPSK	1	1		9.45	9.49	9.46	10.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
50	Pi2 BPSK	1	1		9.42	9.45	9.41	10.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3528.99				
40	Pi2 BPSK	1	1		9.44	9.43	9.40	10.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3534.99				
30	Pi2 BPSK	1	1		9.47	9.49	9.45	10.7	0.0	
Channel				630668	633334	636000	limit (dB)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3539.99				
25	Pi2 BPSK	1	1		9.45	9.49	9.47	10.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3544.98				
20	Pi2 BPSK	1	1		9.45	9.44	9.45	10.7	0.0	
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3450.5	3500.01	3549.49				
15	Pi2 BPSK	1	1		9.41	9.49	9.43	10.7	0.0	
Channel				630334	633334	636332	limit (dB)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3544.98				
10	Pi2 BPSK	1	1		9.46	9.45	9.46	10.7	0.0	

n77(Part 27Q)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		12.55				
100	Pi2 BPSK	1	137		13.13		13.7	0.0	
100	Pi2 BPSK	1	271		12.38				
100	Pi2 BPSK	135	0		13.03		13.7	0.0	
100	Pi2 BPSK	135	69		13.06		13.7	0.0	
100	Pi2 BPSK	135	138		12.91		13.7	0.0	
100	Pi2 BPSK	270	0		12.99		13.7	0.0	
100	QPSK	1	1		12.48				
100	QPSK	1	137		13.11		13.7	0.0	
100	QPSK	1	271		12.42				
100	QPSK	135	0		12.99		13.7	0.0	
100	QPSK	135	69		13.07		13.7	0.0	
100	QPSK	135	138		12.94		13.7	0.0	
100	QPSK	270	0		12.87		13.7	0.0	
100	16QAM	1	1		12.26		13.7	0.0	
100	64QAM	1	1		12.51		13.7	0.0	
100	256QAM	1	1		12.81		13.7	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		12.50	12.54	12.50	13.7	0.0
Channel				632668	633334	634000	limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pi2 BPSK	1	1		12.52	12.48	12.52	13.7	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.99			
70	Pi2 BPSK	1	1		12.51	12.54	12.49	13.7	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pi2 BPSK	1	1		12.46	12.53	12.50	13.7	0.0
Channel				631668	633334	635000	limit (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pi2 BPSK	1	1		12.50	12.53	12.47	13.7	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.99			
40	Pi2 BPSK	1	1		12.52	12.49	12.51	13.7	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pi2 BPSK	1	1		12.45	12.51	12.48	13.7	0.0
Channel				630668	633334	636000	limit (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3539.99			
25	Pi2 BPSK	1	1		12.49	12.52	12.52	13.7	0.0
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
20	Pi2 BPSK	1	1		12.51	12.54	12.47	13.7	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5	3500.01	3549.49			
15	Pi2 BPSK	1	1		12.48	12.51	12.52	13.7	0.0
Channel				630334	633334	636332	limit (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pi2 BPSK	1	1		12.52	12.53	12.52	13.7	0.0

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	9.37	9.43	9.33			
100	Pi2 BPSK	1	137	10.11	10.17	9.96	10.7		0.0
100	Pi2 BPSK	1	271	9.28	9.34	9.20			
100	Pi2 BPSK	135	0	9.98	9.99	9.91	10.7		0.0
100	Pi2 BPSK	135	69	10.07	10.11	9.82	10.7		0.0
100	Pi2 BPSK	135	138	9.89	10.00	9.93			
100	Pi2 BPSK	270	0	9.95	9.97	9.76	10.7		0.0
100	QPSK	1	1	9.27	9.32	9.25			
100	QPSK	1	137	10.01	10.06	9.90	10.7		0.0
100	QPSK	1	271	9.31	9.36	9.25			
100	QPSK	135	0	9.87	9.98	9.90			
100	QPSK	135	69	9.92	10.08	9.82	10.7		0.0
100	QPSK	135	138	9.82	9.91	9.88			
100	QPSK	270	0	9.79	9.86	9.66	10.7		0.0
100	16QAM	1	1	9.28	9.35	9.29	10.7		0.0
100	64QAM	1	1	9.33	9.31	9.29	10.7		0.0
100	256QAM	1	1	9.60	9.72	9.70	10.7		0.0
Channel				649668	650000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	Pi2 BPSK	1	1	9.35	9.39	9.31	10.7		0.0
Channel				649334	650000	662668	limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	Pi2 BPSK	1	1	9.34	9.39	9.30	10.7		0.0
Channel				649000	650000	663000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735 <th>3840</th> <th>3945</th> <th></th> <th></th> <th></th>	3840	3945			
70	Pi2 BPSK	1	1	9.33	9.39	9.32	10.7		0.0
Channel				648668	650000	663332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730 <th>3840</th> <th>3940</th> <th></th> <th></th> <th></th>	3840	3940			
60	Pi2 BPSK	1	1	9.33	9.42	9.30	10.7		0.0
Channel				648334	650000	663668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	Pi2 BPSK	1	1	9.32	9.37	9.28	10.7		0.0
Channel				647999	650000	664000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720 <th>3840<th>3960</th><th></th><th></th><th></th></th>	3840 <th>3960</th> <th></th> <th></th> <th></th>	3960			
40	Pi2 BPSK	1	1	9.33	9.37	9.26	10.7		0.0
Channel				647668	650000	664332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3945.98			
30	Pi2 BPSK	1	1	9.32	9.40	9.32	10.7		0.0
Channel				647334	650000	664668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710 <th>3840</th> <th>3975</th> <th></th> <th></th> <th></th>	3840	3975			
25	Pi2 BPSK	1	1	9.35	9.41	9.32	10.7		0.0
Channel				647334	650000	664668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710 <th>3840</th> <th>3975</th> <th></th> <th></th> <th></th>	3840	3975			
20	Pi2 BPSK	1	1	9.34	9.41	9.29	10.7		0.0
Channel				647168	650000	664832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	Pi2 BPSK	1	1	9.36	9.40	9.31	10.7		0.0
Channel				647000	650000	665000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705 <th>3840</th> <th>3975</th> <th></th> <th></th> <th></th>	3840	3975			
10	Pi2 BPSK	1	1	9.32	9.40	9.32	10.7		0.0

n77(Part 27O)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
Channel				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	11.83	11.83	11.80			
100	PV2 BPSK	1	137	12.66	12.71	12.47	13.7		0.0
100	PV2 BPSK	1	271	11.81	11.79	11.71			
100	PV2 BPSK	135	0	12.40	12.44	12.44	13.7		0.0
100	PV2 BPSK	135	69	12.56	12.63	12.31	13.7		0.0
100	PV2 BPSK	135	138	12.43	12.50	12.43			
100	PV2 BPSK	270	0	12.46	12.48	12.18	13.7		0.0
100	QPSK	1	1	11.71	11.81	11.76			
100	QPSK	1	137	12.56	12.61	12.37	13.7		0.0
100	QPSK	1	271	11.83	11.80	11.77			
100	QPSK	135	0	12.41	12.49	12.43			
100	QPSK	135	69	12.44	12.55	12.32	13.7		0.0
100	QPSK	135	138	12.31	12.40	12.32			
100	QPSK	270	0	12.28	12.46	12.09	13.7		0.0
100	16QAM	1	1	11.83	11.85	11.84	13.7		0.0
100	64QAM	1	1	11.82	11.81	11.79	13.7		0.0
100	256QAM	1	1	12.14	12.21	12.13	13.7		0.0
Channel				649686	650000	652332	turn-up limit (dbm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98			
90	PV2 BPSK	1	1	11.82	11.80	11.77	13.7		0.0
Channel				649334	650000	652686	turn-up limit (dbm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	PV2 BPSK	1	1	11.78	11.82	11.75	13.7		0.0
Channel				649000	650000	653000	turn-up limit (dbm)	MPR	
Frequency (MHz)				3735	3840	3945			
70	PV2 BPSK	1	1	11.82	11.82	11.77	13.7		0.0
Channel				648686	650000	653332	turn-up limit (dbm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	PV2 BPSK	1	1	11.80	11.79	11.77	13.7		0.0
Channel				648334	650000	653686	turn-up limit (dbm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	PV2 BPSK	1	1	11.79	11.76	11.75	13.7		0.0
Channel				648000	650000	654000	turn-up limit (dbm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	PV2 BPSK	1	1	11.82	11.77	11.78	13.7		0.0
Channel				647686	650000	654332	turn-up limit (dbm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98			
30	PV2 BPSK	1	1	11.78	11.82	11.79	13.7		0.0
Channel				647500	650000	655000	turn-up limit (dbm)	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
25	PV2 BPSK	1	1	11.79	11.81	11.79	13.7		0.0
Channel				647334	650000	654686	turn-up limit (dbm)	MPR	
Frequency (MHz)				3710.51	3840	3969.99			
20	PV2 BPSK	1	1	11.78	11.76	11.75	13.7		0.0
Channel				647186	650000	654832	turn-up limit (dbm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48			
15	PV2 BPSK	1	1	11.80	11.79	11.75	13.7		0.0
Channel				647000	650000	655000	turn-up limit (dbm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	PV2 BPSK	1	1	11.81	11.81	11.79	13.7		0.0

n77(Part 27Q)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (edbm)			Turn-up limit (edbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				3600.01	633334	633334			
Frequency (MHz)									
100	PV2 BPSK	1	1	11.31					
100	PV2 BPSK	1	137	12.19	12.19		13.2	0.0	
100	PV2 BPSK	1	271	11.29					
100	PV2 BPSK	135	0	11.91	11.91		13.2	0.0	
100	PV2 BPSK	135	69	12.05	12.05		13.2	0.0	
100	PV2 BPSK	135	138	11.82	11.82				
100	PV2 BPSK	270	0	11.98	11.98		13.2	0.0	
100	QPSK	1	1	11.34	11.34				
100	QPSK	1	137	12.11	12.11		13.2	0.0	
100	QPSK	1	271	11.28	11.28				
100	QPSK	135	0	11.89	11.89		13.2	0.0	
100	QPSK	135	69	11.90	11.90				
100	QPSK	135	138	11.83	11.83				
100	QPSK	270	0	11.82	11.82		13.2	0.0	
100	16QAM	1	1	11.29	11.29		13.2	0.0	
100	64QAM	1	1	11.48	11.48		13.2	0.0	
100	256QAM	1	1	11.46	11.46		13.2	0.0	
Channel				633000	633334	633686	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3485	3500.01	3504.99			
90	PV2 BPSK	1	1	11.25	11.27	11.23	13.2	0.0	
Channel				632686	633334	634000	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PV2 BPSK	1	1	11.25	11.24	11.25	13.2	0.0	
Channel				632334	633334	634332	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PV2 BPSK	1	1	11.26	11.26	11.27	13.2	0.0	
Channel				632000	633334	634686	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PV2 BPSK	1	1	11.20	11.25	11.25	13.2	0.0	
Channel				631686	633334	635000	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PV2 BPSK	1	1	11.27	11.28	11.27	13.2	0.0	
Channel				631334	633334	635332	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3524.98			
40	PV2 BPSK	1	1	11.23	11.24	11.24	13.2	0.0	
Channel				631000	633334	635686	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PV2 BPSK	1	1	11.24	11.26	11.26	13.2	0.0	
Channel				630934	633334	635932	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PV2 BPSK	1	1	11.24	11.27	11.26	13.2	0.0	
Channel				630868	633334	636000	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PV2 BPSK	1	1	11.27	11.29	11.23	13.2	0.0	
Channel				630500	633334	636166	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PV2 BPSK	1	1	11.26	11.30	11.22	13.2	0.0	
Channel				630334	633334	636332	turn-up limit (edbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PV2 BPSK	1	1	11.24	11.30	11.25	13.2	0.0	

n77(Part 27Q)_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				63000	63334	63334			
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1	14.36					
100	PV2 BPSK	1	137	15.17			16.2		0.0
100	PV2 BPSK	1	271	14.34					
100	PV2 BPSK	135	0	14.93			16.2		0.0
100	PV2 BPSK	135	69	14.97			16.2		0.0
100	PV2 BPSK	135	138	14.80					
100	PV2 BPSK	270	0	14.90			16.2		0.0
100	QPSK	1	1	14.32					
100	QPSK	1	137	15.13			16.2		0.0
100	QPSK	1	271	14.31					
100	QPSK	135	0	14.89			16.2		0.0
100	QPSK	135	69	14.88					
100	QPSK	135	138	14.83					
100	QPSK	270	0	14.93			16.2		0.0
100	16QAM	1	1	14.33			16.2		0.0
100	64QAM	1	1	14.30			16.2		0.0
100	256QAM	1	1	14.38			16.2		0.0
Channel				633000	633334	633686	turn-up limit [dBm]	MPR	
Frequency (MHz)				3485	3500.01	3504.99			
90	PV2 BPSK	1	1	14.29	14.32	14.33	16.2		0.0
Channel				63205	633334	634000	turn-up limit [dBm]	MPR	
Frequency (MHz)				3490.02	3500.01	3510			
80	PV2 BPSK	1	1	14.30	14.30	14.26	16.2		0.0
Channel				632334	633334	634332	turn-up limit [dBm]	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PV2 BPSK	1	1	14.26	14.29	14.26	16.2		0.0
Channel				632000	633334	634666	turn-up limit [dBm]	MPR	
Frequency (MHz)				3475.00	3500.01	3515.99			
60	PV2 BPSK	1	1	14.29	14.33	14.27	16.2		0.0
Channel				63166	633334	635000	turn-up limit [dBm]	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	PV2 BPSK	1	1	14.31	14.34	14.32	16.2		0.0
Channel				631534	633334	635332 <th>turn-up limit [dBm]</th> <th>MPR</th> <th></th>	turn-up limit [dBm]	MPR	
Frequency (MHz)				3473.01	3500.01	3529.96			
40	PV2 BPSK	1	1	14.30	14.33	14.28	16.2		0.0
Channel				631000	633334	635666	turn-up limit [dBm]	MPR	
Frequency (MHz)				3465	3500.01	3524.99			
30	PV2 BPSK	1	1	14.30	14.35	14.28	16.2		0.0
Channel				630334	633334	635932	turn-up limit [dBm]	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PV2 BPSK	1	1	14.29	14.33	14.29	16.2		0.0
Channel				630268	633334	636000	turn-up limit [dBm]	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	PV2 BPSK	1	1	14.31	14.34	14.34	16.2		0.0
Channel				630000	633334	636166 <th>turn-up limit [dBm]</th> <th>MPR</th> <th></th>	turn-up limit [dBm]	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PV2 BPSK	1	1	14.31	14.30	14.31	16.2		0.0
Channel				630334	633334	636332	turn-up limit [dBm]	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PV2 BPSK	1	1	14.28	14.33	14.29	16.2		0.0

n77(Part 27O)_Ant 4									
Average Power (dBm)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	11.22	11.38	11.28			
100	PV2 BPSK	1	137	12.33	12.38	12.30	13.2	0.0	
100	PV2 BPSK	1	271	11.21	11.27	11.26			
100	PV2 BPSK	135	0	12.08	12.13	12.03	13.2	0.0	
100	PV2 BPSK	135	69	12.16	12.29	12.10	13.2	0.0	
100	PV2 BPSK	135	138	11.94	11.97	11.91			
100	PV2 BPSK	270	0	11.96	12.14	12.00	13.2	0.0	
100	QPSK	1	1	11.26	11.26	11.31			
100	QPSK	1	137	12.28	12.29	12.28	13.2	0.0	
100	QPSK	1	271	11.25	11.28	11.28			
100	QPSK	135	0	11.95	12.05	11.98			
100	QPSK	135	69	12.00	12.23	12.14	13.2	0.0	
100	QPSK	135	138	11.91	11.95	11.97			
100	QPSK	270	0	12.02	12.05	11.94	13.2	0.0	
100	16QAM	1	1	11.33	11.29	11.32	13.2	0.0	
100	64QAM	1	1	11.30	11.25	11.20	13.2	0.0	
100	256QAM	1	1	11.20	11.33	11.33	13.2	0.0	
Channel				649688	656000	662332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dB)		
90	PV2 BPSK	1	1	11.24	11.35	11.23	13.2	0.0	
Channel				649334	655000	660666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dB)		
80	PV2 BPSK	1	1	11.24	11.31	11.25	13.2	0.0	
Channel				649000	656000	663000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3734	3840	3945	(dB)		
70	PV2 BPSK	1	1	11.24	11.37	11.25	13.2	0.0	
Channel				648688	656000	663332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dB)		
60	PV2 BPSK	1	1	11.23	11.33	11.25	13.2	0.0	
Channel				648334	656000	663666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dB)		
50	PV2 BPSK	1	1	11.24	11.37	11.27	13.2	0.0	
Channel				648000	656000	664000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dB)		
40	PV2 BPSK	1	1	11.23	11.34	11.25	13.2	0.0	
Channel				647688	656000	664332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dB)		
30	PV2 BPSK	1	1	11.22	11.32	11.23	13.2	0.0	
Channel				647334	655000	665000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dB)		
25	PV2 BPSK	1	1	11.23	11.35	11.24	13.2	0.0	
Channel				647334	656000	664688	turn-up limit (dBm)	MPR	
Frequency (MHz)				3710.51	3840	3969.99	(dB)		
20	PV2 BPSK	1	1	11.23	11.34	11.24	13.2	0.0	
Channel				647188	656000	664832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dB)		
15	PV2 BPSK	1	1	11.24	11.34	11.23	13.2	0.0	
Channel				647000	656000	665000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975	(dB)		
10	PV2 BPSK	1	1	11.22	11.35	11.25	13.2	0.0	

n77(Part 27O)_Ant 4(HPUE)									
Average Power (dBm)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	14.20	14.31	14.29			
100	PV2 BPSK	1	137	15.34	15.38	15.29	16.2	0.0	
100	PV2 BPSK	1	271	14.33	14.27	14.29			
100	PV2 BPSK	135	0	14.97	15.14	15.09	16.2	0.0	
100	PV2 BPSK	135	69	15.22	15.24	15.15	16.2	0.0	
100	PV2 BPSK	135	138	14.80	15.01	14.88			
100	PV2 BPSK	270	0	15.06	15.06	14.96	16.2	0.0	
100	QPSK	1	1	14.22	14.29	14.25			
100	QPSK	1	137	15.28	15.34	15.26	16.2	0.0	
100	QPSK	1	271	14.21	14.35	14.20			
100	QPSK	135	0	15.00	15.09	15.05			
100	QPSK	135	69	15.13	15.19	15.11	16.2	0.0	
100	QPSK	135	138	14.95	15.05	14.90			
100	QPSK	270	0	14.97	15.00	14.92	16.2	0.0	
100	16QAM	1	1	14.28	14.34	14.29	16.2	0.0	
100	64QAM	1	1	14.29	14.28	14.23	16.2	0.0	
100	256QAM	1	1	14.29	14.35	14.31	16.2	0.0	
Channel				649688	656000	662332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dB)		
90	PV2 BPSK	1	1	14.24	14.27	14.27	16.2	0.0	
Channel				649334	655000	660666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dB)		
80	PV2 BPSK	1	1	14.23	14.27	14.28	16.2	0.0	
Channel				649000	656000	663000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3734	3840	3945	(dB)		
70	PV2 BPSK	1	1	14.21	14.27	14.25	16.2	0.0	
Channel				648688	656000	663332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dB)		
60	PV2 BPSK	1	1	14.24	14.25	14.25	16.2	0.0	
Channel				648334	656000	663666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dB)		
50	PV2 BPSK	1	1	14.24	14.28	14.28	16.2	0.0	
Channel				648000	656000	664000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dB)		
40	PV2 BPSK	1	1	14.24	14.28	14.25	16.2	0.0	
Channel				647688	656000	664332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dB)		
30	PV2 BPSK	1	1	14.21	14.27	14.26	16.2	0.0	
Channel				647334	655000	665000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dB)		
25	PV2 BPSK	1	1	14.22	14.30	14.24	16.2	0.0	
Channel				647334	656000	664688	turn-up limit (dBm)	MPR	
Frequency (MHz)				3710.51	3840	3969.99	(dB)		
20	PV2 BPSK	1	1	14.24	14.28	14.29	16.2	0.0	
Channel				647188	656000	664832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dB)		
15	PV2 BPSK	1	1	14.24	14.30	14.27	16.2	0.0	
Channel				647000	656000	665000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975	(dB)		
10	PV2 BPSK	1	1	14.23	14.26	14.24	16.2	0.0	

n77(Part 27Q)_Ant 5									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63300	63334	63366			
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1	15.39					
100	P12 BPSK	1	137	16.21	15.38		17.2		0.0
100	P12 BPSK	1	271	15.38					
100	P12 BPSK	135	0	15.96	15.38		17.2		0.0
100	P12 BPSK	135	69	16.10	15.96		17.2		0.0
100	P12 BPSK	135	138	15.93					
100	P12 BPSK	270	0	16.01			17.2		0.0
100	QPSK	1	1	15.34					
100	QPSK	1	137	16.20			17.2		0.0
100	QPSK	1	271	15.33					
100	QPSK	135	0	15.92					
100	QPSK	135	69	16.00			17.2		0.0
100	QPSK	135	138	15.84					
100	QPSK	270	0	15.87			17.2		0.0
100	16QAM	1	1	15.35			17.2		0.0
100	16QAM	1	1	15.35			17.2		0.0
100	256QAM	1	1	15.37			17.2		0.0
Channel				63300	63334	63366		MPR (dB)	
Frequency (MHz)				3466	3500.01	3534.69			
90	P12 BPSK	1	1	15.33	15.38	15.29	17.2		0.0
Channel				63368	63334	63400		MPR (dB)	
Frequency (MHz)				3499.02	3500.01	3510			
90	P12 BPSK	1	1	15.34	15.38	15.32	17.2		0.0
Channel				63324	63333	63432		MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	P12 BPSK	1	1	15.34	15.34	15.35	17.2		0.0
Channel				63200	63334	63466		MPR (dB)	
Frequency (MHz)				3470	3500.01	3519.99			
70	P12 BPSK	1	1	15.35	15.35	15.35	17.2		0.0
Channel				63168	63334	63500		MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	P12 BPSK	1	1	15.33	15.37	15.35	17.2		0.0
Channel				63134	63333	63532		MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	P12 BPSK	1	1	15.37	15.35	15.34	17.2		0.0
Channel				63100	63334	63566		MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	P12 BPSK	1	1	15.31	15.38	15.37	17.2		0.0
Channel				63034	63334	63582 <th></th> <th colspan="2">MPR (dB)</th>		MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	P12 BPSK	1	1	15.32	15.34	15.35	17.2		0.0
Channel				63068	63334	63600		MPR (dB)	
Frequency (MHz)				3460.00	3500.01	3540			
25	P12 BPSK	1	1	15.31	15.36	15.33	17.2		0.0
Channel				63050	63334	63618		MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	P12 BPSK	1	1	15.34	15.36	15.32	17.2		0.0
Channel				63024	63333	63632		MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	P12 BPSK	1	1	15.37	15.38	15.29	17.2		0.0

n77(Part 27Q)_Ant 5(HPUE)									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			20.2	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		18.35		20.2	0.0	
100	PI/2 BPSK	1	137		18.24				
100	PI/2 BPSK	1	271		18.33				
100	PI/2 BPSK	135	0		18.95		20.2	0.0	
100	PI/2 BPSK	135	69		19.11				
100	PI/2 BPSK	135	138		18.91				
100	PI/2 BPSK	270	0		18.99		20.2	0.0	
100	QPSK	1	1		18.31				
100	QPSK	1	137		19.17		20.2	0.0	
100	QPSK	1	271		18.30				
100	QPSK	135	0		18.91		20.2	0.0	
100	QPSK	135	69		19.05				
100	QPSK	135	138		18.85				
100	QPSK	270	0		18.92		20.2	0.0	
100	16QAM	1	1		18.35		20.2	0.0	
100	64QAM	1	1		18.34		20.2	0.0	
100	256QAM	1	1		18.38		20.2	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.98	20.2	0.0	
90	PI/2 BPSK	1	1		18.28	18.31	18.31	20.2	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	20.2	0.0	
80	PI/2 BPSK	1	1		18.29	18.30	18.29	20.2	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	20.2	0.0	
70	PI/2 BPSK	1	1		18.27	18.30	18.25	20.2	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.98	20.2	0.0	
60	PI/2 BPSK	1	1		18.28	18.34	18.28	20.2	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.2	0.0	
50	PI/2 BPSK	1	1		18.27	18.30	18.26	20.2	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3520.98	20.2	0.0	
40	PI/2 BPSK	1	1		18.31	18.30	18.32	20.2	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.98	20.2	0.0	
30	PI/2 BPSK	1	1		18.30	18.33	18.28	20.2	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48	20.2	0.0	
25	PI/2 BPSK	1	1		18.28	18.33	18.29	20.2	
Channel				630668	633334	636200	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.2	0.0	
20	PI/2 BPSK	1	1		18.29	18.31	18.26	20.2	
Channel				630500	633334	636868	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.48	20.2	0.0	
15	PI/2 BPSK	1	1		18.29	18.32	18.33	20.2	
Channel				630334	633334	637332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	20.2	0.0	
10	PI/2 BPSK	1	1		18.31	18.32	18.29	20.2	

n77(Part 27Q)_Ant 5									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	666000	662000	93.95		
Frequency (MHz)				3705	3840	3935			
100	PI/2 BPSK	1	1	15.32	15.34	15.33	17.2	0.0	
100	PI/2 BPSK	1	137	16.24	16.26	16.21			
100	PI/2 BPSK	1	271	15.35	15.38	15.38			
100	PI/2 BPSK	135	0	15.93	15.93	15.95	17.2	0.0	
100	PI/2 BPSK	135	69	16.13	16.26	16.19			
100	PI/2 BPSK	135	138	15.90	15.96	15.89			
100	PI/2 BPSK	270	0	16.01	16.06	16.03	17.2	0.0	
100	QPSK	1	1	15.30	15.33	15.34			
100	QPSK	1	137	16.25	16.27	16.18	17.2	0.0	
100	QPSK	1	271	15.30	15.37	15.34			
100	QPSK	135	0	15.95	15.98	15.91	17.2	0.0	
100	QPSK	135	69	16.14	16.18	16.06			
100	QPSK	135	138	15.90	16.01	15.96			
100	QPSK	270	0	15.95	15.97	15.99	17.2		0.0
100	16QAM	1	1	15.22	15.33	15.33	17.2		0.0
100	64QAM	1	1	15.20	15.33	15.25	17.2		0.0
100	256QAM	1	1	15.25	15.32	15.30	17.2		0.0
Channel				649668	650000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	17.2	0.0	
90	PI/2 BPSK	1	1	15.29	15.33	15.29	17.2	0.0	
Channel				649334	650000	662668			
Frequency (MHz)				3740.01	3840	3939.99	17.2		
80	PI/2 BPSK	1	1	15.31	15.29	15.29	17.2	0.0	
Channel				649000	650000	663000			
Frequency (MHz)				3735	3840	3945	17.2		
70	PI/2 BPSK	1	1	15.30	15.30	15.28	17.2	0.0	
Channel				648668	650000	663332			
Frequency (MHz)				3730.02	3840	3949.98	17.2		
60	PI/2 BPSK	1	1	15.31	15.29	15.28	17.2	0.0	
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3954.99	17.2		
50	PI/2 BPSK	1	1	15.29	15.33	15.28	17.2	0.0	
Channel				648000	650000	664000			
Frequency (MHz)				3720	3840	3960	17.2		
40	PI/2 BPSK	1	1	15.28	15.33	15.30	17.2	0.0	
Channel				647668	650000	664332			
Frequency (MHz)				3715.02	3840	3964.98	17.2		
30	PI/2 BPSK	1	1	15.29	15.33	15.29	17.2	0.0	
Channel				647334	650000	664668			
Frequency (MHz)				3712.5	3840	3967.5	17.2		
25	PI/2 BPSK	1	1	15.30	15.32	15.30	17.2	0.0	
Channel				647000	650000	665000			
Frequency (MHz)				3707.52	3840	3972.48	17.2		
20	PI/2 BPSK	1	1	15.31	15.31	15.28	17.2	0.0	
Channel				646668	650000	665332			
Frequency (MHz)				3705	3840	3975	17.2		
15	PI/2 BPSK	1	1	15.30	15.30	15.32	17.2	0.0	
Channel				646334	650000	665668			
Frequency (MHz)				3705	3840	3975	17.2		
10	PI/2 BPSK	1	1	15.30	15.33	15.29	17.2	0.0	

n77(Part 27O)_Ant 5(HPUE)										
Average Power (dBm)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	660000				
Frequency (MHz)				3750	3840	3930				
100	Pl2 BPSK	1	1	18.31	18.37	18.29	20.2	0.0		
100	Pl2 BPSK	1	137	19.26	19.30	19.24				
100	Pl2 BPSK	1	271	18.34	18.42	18.39				
100	Pl2 BPSK	135	0	18.92	18.98	18.91	20.2	0.0		
100	Pl2 BPSK	135	69	19.14	19.22	19.15				
100	Pl2 BPSK	135	138	18.95	19.01	18.92				
100	Pl2 BPSK	270	0	18.98	19.08	18.98	20.2	0.0		
100	QPSK	1	1	18.30	18.35	18.31				
100	QPSK	1	137	19.21	19.24	19.20				
100	QPSK	1	271	18.34	18.39	18.32	20.2	0.0		
100	QPSK	135	0	18.92	18.95	18.88				
100	QPSK	135	69	19.09	19.16	19.08				
100	QPSK	135	138	18.90	19.00	18.96	20.2	0.0		
100	QPSK	270	0	18.92	19.01	18.95				
100	16QAM	1	1	18.26	18.31	18.28				
100	64QAM	1	1	18.25	18.30	18.27	20.2	0.0		
100	256QAM	1	1	18.23	18.28	18.25				
Channel				648668	650000	662332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3934.98	20.2	0.0		
90	Pl2 BPSK	1	1	18.27	18.34	18.26	20.2	0.0		
Channel				640334	650000	659500				
Frequency (MHz)				3740.01	3840	3939.99	limit (dB)			
80	Pl2 BPSK	1	1	18.26	18.32	18.26	20.2	0.0		
Channel				649000	650000	663000				
Frequency (MHz)				3735	3840	3945	limit (dB)			
70	Pl2 BPSK	1	1	18.26	18.36	18.24	20.2	0.0		
Channel				648668	650000	663332				
Frequency (MHz)				3730.02	3840	3949.98	limit (dB)			
60	Pl2 BPSK	1	1	18.26	18.36	18.26	20.2	0.0		
Channel				640334	650000	659500				
Frequency (MHz)				3725.01	3840	3954.99	limit (dB)			
50	Pl2 BPSK	1	1	18.26	18.36	18.24	20.2	0.0		
Channel				648000	650000	664000				
Frequency (MHz)				3720	3840	3960	limit (dB)			
40	Pl2 BPSK	1	1	18.30	18.33	18.25	20.2	0.0		
Channel				647668	650000	664332				
Frequency (MHz)				3715.02	3840	3954.98	limit (dB)			
30	Pl2 BPSK	1	1	18.29	18.33	18.26	20.2	0.0		
Channel				647334	650000	664668				
Frequency (MHz)				3710.01	3840	3959.99	limit (dB)			
25	Pl2 BPSK	1	1	18.27	18.35	18.27	20.2	0.0		
Channel				647000	650000	664900				
Frequency (MHz)				3705	3840	3975	limit (dB)			
20	Pl2 BPSK	1	1	18.28	18.35	18.28	20.2	0.0		
Channel				647168	650000	664832				
Frequency (MHz)				3707.52	3840	3972.48	limit (dB)			
15	Pl2 BPSK	1	1	18.26	18.35	18.28	20.2	0.0		
Channel				647000	650000	665000				
Frequency (MHz)				3705	3840	3975	limit (dB)			
10	Pl2 BPSK	1	1	18.28	18.33	18.28	20.2	0.0		

n77(Part 27Q)_Ant 6										
Average Power (dBm)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633334	633334	633334				
Frequency (MHz)				3500.01	3500.01	3500.01				
100	P2/BPSK	1	1	16.14			17.7	0.0		
100	P2/BPSK	1	137	16.86						
100	P2/BPSK	1	271	16.24						
100	P2/BPSK	135	0		16.63		17.7	0.0		
100	P2/BPSK	135	69		16.80					
100	P2/BPSK	135	138		16.63					
100	P2/BPSK	270	0		16.72		17.7	0.0		
100	QPSK	1	1		16.05					
100	QPSK	1	137		16.79					
100	QPSK	1	271		16.23		17.7	0.0		
100	QPSK	135	0		16.61					
100	QPSK	135	69		16.68					
100	QPSK	135	138		16.50		17.7	0.0		
100	QPSK	270	0		16.71					
100	16QAM	1	1		16.00					
100	64QAM	1	1		15.81		17.7	0.0		
100	256QAM	1	1		14.52					
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3504.99	17.7	0.0		
90	P2/BPSK	1	1	16.09	16.09	16.07	17.7	0.0		
Channel				632668	633334	634000				
Frequency (MHz)				3490.02	3500.01	3510	limit (dB)			
80	P2/BPSK	1	1	16.06	16.12	16.07	17.7	0.0		
Channel				632334	633334	634332				
Frequency (MHz)				3485.01	3500.01	3514.98	limit (dB)			
70	P2/BPSK	1	1	16.06	16.12	16.07	17.7	0.0		
Channel				632000	633334	634668				
Frequency (MHz)				3480	3500.01	3519.99	limit (dB)			
60	P2/BPSK	1	1	16.05	16.13	16.07	17.7	0.0		
Channel				631668	633334	635000				
Frequency (MHz)				3475.02	3500.01	3525	limit (dB)			
50	P2/BPSK	1	1	16.05	16.09	16.04	17.7	0.0		
Channel				631334	633334	635332				
Frequency (MHz)				3470.01	3500.01	3529.98	limit (dB)			
40	P2/BPSK	1	1	16.05	16.13	16.03	17.7	0.0		
Channel				631000	633334	635668				
Frequency (MHz)				3465	3500.01	3534.99	limit (dB)			
30	P2/BPSK	1	1	16.08	16.13	16.06	17.7	0.0		
Channel				630668	633334	636000				
Frequency (MHz)				3460.02	3500.01	3540	limit (dB)			
25	P2/BPSK	1	1	16.07	16.12	16.07	17.7	0.0		
Channel				630334	633334	636332				
Frequency (MHz)				3455.01	3500.01	3544.98	limit (dB)			
20	P2/BPSK	1	1	16.08	16.13	16.06	17.7	0.0		
Channel				630000	633334	636668				
Frequency (MHz)				3457.5	3500.01	3542.49	limit (dB)			
15	P2/BPSK	1	1	16.07	16.12	16.07	17.7	0.0		
Channel				630334	633334	636332				
Frequency (MHz)				3455.01	3500.01	3544.98	limit (dB)			
10	P2/BPSK	1	1	16.06	16.13	16.05	17.7	0.0		

n77(Part 27Q)_Ant 6(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1	19.13			20.7	0.0	
100	PV2 BPSK	1	137	19.86					
100	PV2 BPSK	1	271	19.26			20.7	0.0	
100	PV2 BPSK	135	0	19.87					
100	PV2 BPSK	135	69	19.73			20.7	0.0	
100	PV2 BPSK	135	138	19.87					
100	PV2 BPSK	270	0	19.85			20.7	0.0	
100	QPSK	1	1	19.11					
100	QPSK	1	137	19.75			20.7	0.0	
100	QPSK	1	271	19.25					
100	QPSK	135	0	19.85			20.7	0.0	
100	QPSK	135	69	19.71					
100	QPSK	135	138	19.95			20.7	0.0	
100	QPSK	270	0	19.89					
100	16QAM	1	1	19.01			20.7	0.0	
100	64QAM	1	1	18.81					
100	256QAM	1	1	17.11			18.2	2.5	
Channel				633000	633334	633666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3495	3500.01	3504.99	limit (dBm)		
90	PV2 BPSK	1	1	19.05	19.12	19.03	20.7	0.0	
Channel				632998	633334	633000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3490.02	3500.01	3510	limit (dBm)		
80	PV2 BPSK	1	1	19.08	19.12	19.03	20.7	0.0	
Channel				632334	633334	634332	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3485.01	3500.01	3514.08	limit (dBm)		
70	PV2 BPSK	1	1	19.05	19.12	19.04	20.7	0.0	
Channel				632000	633334	634666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3480	3500.01	3519.99	limit (dBm)		
60	PV2 BPSK	1	1	19.07	19.06	19.03	20.7	0.0	
Channel				631666	633334	633000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3475.02	3500.01	3525	limit (dBm)		
50	PV2 BPSK	1	1	19.08	19.10	19.02	20.7	0.0	
Channel				631334	633334	633332	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3470.01	3500.01	3523.08	limit (dBm)		
40	PV2 BPSK	1	1	19.09	19.12	19.05	20.7	0.0	
Channel				631000	633334	633666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3465	3500.01	3534.99	limit (dBm)		
30	PV2 BPSK	1	1	19.08	19.08	19.02	20.7	0.0	
Channel				630534	633334	633912	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3462.51	3500.01	3537.48	limit (dBm)		
25	PV2 BPSK	1	1	19.05	19.09	19.05	20.7	0.0	
Channel				630986	633334	633000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3460.02	3500.01	3540	limit (dBm)		
20	PV2 BPSK	1	1	19.09	19.12	19.06	20.7	0.0	
Channel				630500	633334	633666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3457.5	3500.01	3542.49	limit (dBm)		
15	PV2 BPSK	1	1	19.09	19.12	19.06	20.7	0.0	
Channel				630334	633334	633912	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3455.01	3500.01	3544.98	limit (dBm)		
10	PV2 BPSK	1	1	19.09	19.08	19.02	20.7	0.0	

n77(Part 27O)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000	656000	652000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	16.26	18.27	18.27	17.7	0.0	
100	PV2 BPSK	1	137	16.89	17.03	16.94			
100	PV2 BPSK	1	271	16.21	16.34	16.27	17.7	0.0	
100	PV2 BPSK	135	0	16.75	16.87	16.77			
100	PV2 BPSK	135	69	16.88	16.96	16.87	17.7	0.0	
100	PV2 BPSK	135	138	16.73	16.78	16.78			
100	PV2 BPSK	270	0	16.69	16.85	16.72	17.7	0.0	
100	QPSK	1	1	16.19	16.26	16.17			
100	QPSK	1	137	16.92	16.94	16.80	17.7	0.0	
100	QPSK	1	271	16.19	16.25	16.21			
100	QPSK	135	0	16.71	16.75	16.79	17.7	0.0	
100	QPSK	135	69	16.85	16.93	16.84			
100	QPSK	135	138	16.69	16.75	16.75	17.7	0.0	
100	QPSK	270	0	16.72	16.89	16.69			
100	16QAM	1	1	16.11	16.17	16.08	17.7	0.0	
100	64QAM	1	1	15.84	15.90	15.83			
100	256QAM	1	1	14.61	14.72	14.66	15.2	2.5	
Channel				649686	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	limit (dBm)		
90	PV2 BPSK	1	1	16.23	16.22	16.23	17.7	0.0	
Channel				649334	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	limit (dBm)		
80	PV2 BPSK	1	1	16.22	16.23	16.22	17.7	0.0	
Channel				649000	650000	650300	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	limit (dBm)		
70	PV2 BPSK	1	1	16.21	16.26	16.24	17.7	0.0	
Channel				648686	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	limit (dBm)		
60	PV2 BPSK	1	1	16.24	16.26	16.23	17.7	0.0	
Channel				648334	650000	650366	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	limit (dBm)		
50	PV2 BPSK	1	1	16.23	16.22	16.23	17.7	0.0	
Channel				648000	650000	650400	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	limit (dBm)		
40	PV2 BPSK	1	1	16.21	16.25	16.26	17.7	0.0	
Channel				647686	650000	650432	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	limit (dBm)		
30	PV2 BPSK	1	1	16.22	16.23	16.22	17.7	0.0	
Channel				647334	650000	650366	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	limit (dBm)		
25	PV2 BPSK	1	1	16.23	16.24	16.23	17.7	0.0	
Channel				647334	650000	650466	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	limit (dBm)		
20	PV2 BPSK	1	1	16.25	16.26	16.23	17.7	0.0	
Channel				647186	650000	650432	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	limit (dBm)		
15	PV2 BPSK	1	1	16.24	16.24	16.25	17.7	0.0	
Channel				647000	650000	650500	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	limit (dBm)		
10	PV2 BPSK	1	1	16.22	16.26	16.24	17.7	0.0	

n77(Part 27O)_Ant 6(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.			
Channel				650000	660000	662000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	19.19	19.28	19.17	20.7	0.0	
100	PV2 BPSK	1	137	19.81	19.53	19.84			
100	PV2 BPSK	1	271	19.18	19.29	19.28	20.7	0.0	
100	PV2 BPSK	135	0	19.82	19.73	19.68			
100	PV2 BPSK	135	69	19.82	19.82	19.77	20.7	0.0	
100	PV2 BPSK	135	138	19.68	19.67	19.61			
100	PV2 BPSK	270	0	19.59	19.73	19.61	20.7	0.0	
100	QPSK	1	1	19.17	19.19	19.20			
100	QPSK	1	137	19.79	19.87	19.75	20.7	0.0	
100	QPSK	1	271	19.17	19.22	19.22			
100	QPSK	135	0	19.82	19.73	19.68	20.7	0.0	
100	QPSK	135	69	19.72	19.81	19.73			
100	QPSK	135	138	19.59	19.66	19.65	20.7	0.0	
100	QPSK	270	0	19.66	19.77	19.60			
100	16QAM	1	1	19.06	19.15	19.02	20.7	0.0	
100	16QAM	1	1	19.76	19.77	19.73			
100	256QAM	1	1	17.24	17.26	17.15	18.2	2.5	
Channel				646868	656000	662332	Turn-up limit (dBm)	MPR (dB)	
90	PV2 BPSK	1	1	19.14	19.23	19.15	20.7	0.0	
Channel				643334	650000	652666	Turn-up limit (dBm)	MPR (dB)	
80	PV2 BPSK	1	1	19.15	19.24	19.14	20.7	0.0	
Channel				649000	650000	663000	Turn-up limit (dBm)	MPR (dB)	
70	PV2 BPSK	1	1	19.16	19.23	19.15	20.7	0.0	
Channel				646868	650000	663332	Turn-up limit (dBm)	MPR (dB)	
60	PV2 BPSK	1	1	19.17	19.23	19.12	20.7	0.0	
Channel				647334	650000	652666	Turn-up limit (dBm)	MPR (dB)	
50	PV2 BPSK	1	1	19.14	19.25	19.15	20.7	0.0	
Channel				648000	650000	664000	Turn-up limit (dBm)	MPR (dB)	
40	PV2 BPSK	1	1	19.18	19.25	19.13	20.7	0.0	
Channel				647688	650000	664332	Turn-up limit (dBm)	MPR (dB)	
30	PV2 BPSK	1	1	19.14	19.27	19.18	20.7	0.0	
Channel				649000	650000	664000	Turn-up limit (dBm)	MPR (dB)	
25	PV2 BPSK	1	1	19.17	19.25	19.15	20.7	0.0	
Channel				647334	650000	664666	Turn-up limit (dBm)	MPR (dB)	
20	PV2 BPSK	1	1	19.17	19.26	19.16	20.7	0.0	
Channel				647168	650000	664932 <td>20.7</td> <td>0.0</td> <td></td>	20.7	0.0	
16	PV2 BPSK	1	1	19.16	19.26	19.12	20.7	0.0	
Channel				647000	650000	665000	Turn-up limit (dBm)	MPR (dB)	
10	PV2 BPSK	1	1	19.14	19.23	19.16	20.7	0.0	



Conducted Power for WLAN/Bluetooth

2.4GHz WLAN				Full		Head Standalone		Head Simultaneous		Hotspot on		Body worn Standalone		Body worn Simultaneous		Sensor on Standalone		Sensor on Simultaneous				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.67	23.00	15.71	17.00	13.64	15.00	16.64	20.00	21.67	23.00	21.67	23.00	21.67	23.00	21.67	23.00	99.64		
		6	2437	22.06	23.00	15.97	17.00	13.99	15.00	16.96	20.00	22.06	23.00	22.06	23.00	22.06	23.00	22.06	23.00			
		11	2462	21.27	23.00	15.54	17.00	13.33	15.00	16.21	20.00	21.27	23.00	21.27	23.00	21.27	23.00	21.27	23.00			
	802.11g 6Mbps	1	2412	17.04	18.50	15.56	17.00	13.57	15.00	17.04	18.50	17.04	18.50	17.04	18.50	17.04	18.50	17.04	18.50	97.20		
		6	2437	19.88	21.00	15.82	17.00	13.85	15.00	18.82	20.00	19.88	21.00	19.88	21.00	19.88	21.00	19.88	21.00			
		11	2462	16.46	18.00	15.41	17.00	13.43	15.00	16.46	18.00	16.46	18.00	16.46	18.00	16.46	18.00	16.46	18.00			
	802.11n-HT20 MCS0	1	2412	14.77	16.50			16.50			15.00		16.50	14.77	16.50	14.77	16.50	14.77	16.50	14.77	16.50	97.74
		2	2417	19.64	21.00			17.00			15.00		20.50	19.64	21.00	19.64	21.00	19.64	21.00	19.64	21.00	
		6	2437	19.77	21.00			17.00			15.00		20.50	19.77	21.00	19.77	21.00	19.77	21.00	19.77	21.00	
		10	2457	19.71	21.00			17.00			15.00		20.50	19.71	21.00	19.71	21.00	19.71	21.00	19.71	21.00	
		11	2462	15.36	17.00			17.00			15.00		17.00	15.36	17.00	15.36	17.00	15.36	17.00	15.36	17.00	
		13	2422	13.51	15.00			15.00			15.00		15.00	13.51	15.00	13.51	15.00	13.51	15.00	13.51	15.00	
	802.11n-HT40 MCS0	3	2422	13.51	15.00			15.00			15.00		15.00	13.51	15.00	13.51	15.00	13.51	15.00	13.51	15.00	94.20
		6	2437	17.49	19.00			17.00			15.00		19.00	17.49	19.00	17.49	19.00	17.49	19.00	17.49	19.00	
		9	2452	13.75	15.00	Not Required		15.00	Not Required		15.00	Not Required	15.00	13.75	15.00	13.75	15.00	13.75	15.00	13.75	15.00	
	802.11ac-VHT20 MCS0	1	2412	14.71	16.50			16.50			15.00		16.50	14.71	16.50	14.71	16.50	14.71	16.50	14.71	16.50	97.78
		2	2417	19.58	21.00			17.00			15.00		20.50	19.58	21.00	19.58	21.00	19.58	21.00	19.58	21.00	
		6	2437	19.69	21.00			17.00			15.00		20.50	19.69	21.00	19.69	21.00	19.69	21.00	19.69	21.00	
		10	2457	19.62	21.00			17.00			15.00		20.50	19.62	21.00	19.62	21.00	19.62	21.00	19.62	21.00	
	802.11ac-VHT40 MCS0	11	2462	15.28	17.00			17.00			15.00		17.00	15.28	17.00	15.28	17.00	15.28	17.00	15.28	17.00	95.65
		3	2422	13.36	15.00			15.00			15.00		15.00	13.36	15.00	13.36	15.00	13.36	15.00	13.36	15.00	
		6	2437	17.30	19.00			17.00			15.00		19.00	17.30	19.00	17.30	19.00	17.30	19.00	17.30	19.00	
9		2452	13.61	15.00			15.00			15.00		15.00	13.61	15.00	13.61	15.00	13.61	15.00	13.61	15.00		

	5.2GHz WLAN					Full		Head Standalone		Head Simultaneous		Hotspot on		Body worn Standalone		Body worn Simultaneous		Sensor on Standalone		Sensor on Simultaneous			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.16	17.50			13.90		10.00			14.00		17.50			17.00		17.50		13.50	97.20
		40	5200	18.65	20.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
		44	5220	18.74	20.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
		48	5240	18.75	20.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
	802.11n-HT20 MCS0	36	5180	16.13	17.50			13.90		10.00			14.00		17.50			17.00		17.50		13.50	97.01
		40	5200	18.58	20.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
		44	5220	18.62	20.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
		48	5240	18.64	20.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
	802.11n-HT40 MCS0	38	5190	11.35	13.00	11.35	13.00			10.00	11.35	13.00	11.35	13.00	11.35	13.00	11.35	13.00	11.35	13.00	11.35	13.00	95.59
		46	5230	17.76	19.00	12.18	13.00			10.00	12.70	14.00	17.76	19.00	15.69	17.00	16.24	17.50	12.18	13.00	13.50	13.50	
		36	5180	16.07	17.50			13.90		10.00			14.00		17.50			17.00		17.50		13.50	
		40	5200	17.72	19.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
	802.11ac-VHT20 MCS0	44	5220	17.80	19.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	97.04
		48	5240	17.78	19.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
		38	5190	11.27	13.00			13.00		10.00			13.00		13.00			13.00		13.00		13.00	
		46	5230	17.72	19.00			13.90		10.00			14.00		19.00			17.00		17.50		13.50	
	802.11ac-VHT40 MCS0	42	5210	10.32	11.50			11.50	8.86	10.00		11.50	11.50		11.50		11.50	11.50		11.50		11.50	88.89

	5.3GHz WLAN					Full		Head Standalone		Head Simultaneous		Body worn Standalone		Body worn Simultaneous		Sensor on Standalone		Sensor on Simultaneous		Duty Cycle %	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5280	18.73	20.00			13.50	10.00			19.00	17.00			20.00	20.00			13.50	
		56	5280	18.67	20.00			13.50	10.00			19.00	17.00			20.00	20.00			13.50	
		60	5300	18.78	20.00			13.50	10.00			19.00	17.00			20.00	20.00			13.50	
		64	5320	15.72	17.00			13.50	10.00			17.00	17.00			17.00	17.00			13.50	
	802.11n-HT20 MCS0	52	5280	18.66	20.00			13.50	10.00			19.00	17.00			20.00	20.00			13.50	
		56	5280	18.62	20.00			13.50	10.00			19.00	17.00			20.00	20.00			13.50	
		60	5300	18.67	20.00			13.50	10.00			19.00	17.00			20.00	20.00			13.50	
		64	5320	15.59	16.50			10.00	10.00			16.50	16.50			16.50	16.50			13.50	
	802.11n-HT40 MCS0	54	5270	17.80	19.00	12.41	13.50			10.00	17.80	19.00	15.67	17.00	16.34	17.50	12.39	13.50			13.50
		62	5310	13.94	15.00	12.38	13.50			10.00	13.94	15.00	13.94	15.00	13.94	15.00	12.38	13.50			13.50
	802.11ac-VHT20 MCS0	52	5280	17.79	19.00			13.50	10.00			19.00	17.00			19.00	19.00			13.50	
		56	5280	17.73	19.00			13.50	10.00			19.00	17.00			19.00	19.00			13.50	
		60	5300	17.82	19.00			13.50	10.00			19.00	17.00			19.00	19.00			13.50	
		64	5320	15.51	16.50			13.50	10.00			16.50	16.50			16.50	16.50			13.50	
	802.11ac-VHT40 MCS0	54	5270	17.66	19.00			13.50	10.00			19.00	17.00			17.50	17.50			13.50	
		62	5310	13.79	15.00			13.50	10.00			15.00	15.00			15.00	15.00			13.50	
802.11ac-VHT80 MCS0	58	5290	9.93	11.00			11.00	8.67	10.00			11.00	11.00			11.00	11.00			88.89	

**BT BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	8.12	8.09	8.14	6.07	6.05	6.12	6.06	6.03	6.14	10.00
	CH 39	2441	10.22	10.19	10.25	7.83	7.80	7.87	7.81	7.78	7.87	12.00
	CH 78	2480	10.27	10.31	10.33	7.73	7.72	7.78	7.70	7.66	7.76	12.00

BT LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
			GFSK	
LE	CH 00	2402	3.32	5.30
	CH 19	2440	4.78	6.50
	CH 39	2480	4.39	6.50

BT LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
			Maps		2Maps	
LE	CH 00	2402	3.32	5.30	3.32	5.30
	CH 19	2440	4.78	6.50	4.80	6.50
	CH 39	2480	4.39	6.50	4.42	6.50