



Full&Default Power Mode

GSM850 Ant 0 Default								
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78	24.50
GPRS 1 Tx slots	32.74	32.85	32.88	33.50	23.74	23.85	23.88	24.50
GPRS 2 Tx slots	29.65	30.91	30.88	31.50	23.65	24.91	24.88	25.50
GPRS 3 Tx slots	28.16	29.33	29.31	30.00	23.90	25.07	25.05	25.74
GPRS 4 Tx slots	26.54	27.73	27.91	28.00	23.54	24.73	24.91	25.00
EDGE 1 Tx slot	25.65	26.45	26.71	27.00	16.65	17.45	17.71	18.00
EDGE 2 Tx slots	24.67	25.48	25.28	26.00	16.67	19.48	19.28	20.00
EDGE 3 Tx slots	23.14	23.92	23.91	24.50	18.88	19.66	19.65	20.24
EDGE 4 Tx slots	21.52	22.24	22.21	23.00	16.52	19.24	19.21	20.00

WCDMA V Ant 0 Default					
Band	WCDMA V Ant 0			Tune-up Limit (dBm)	
	TX Channel	4132	4182		4233
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.53	22.62	22.56	24.00
3GPP Rel 99	RMC 12.2Kbps	22.56	22.64	22.63	24.00
3GPP Rel 6	HSDPA Subtest-1	21.57	21.69	21.68	23.00
3GPP Rel 6	HSDPA Subtest-2	21.61	21.64	21.62	23.00
3GPP Rel 6	HSDPA Subtest-3	21.07	21.17	21.07	22.50
3GPP Rel 6	HSDPA Subtest-4	21.00	21.15	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.53	21.63	21.64	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.61	21.71	21.57	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.03	21.11	21.08	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.06	21.09	21.12	22.50
3GPP Rel 6	HSUPA Subtest-1	21.61	21.57	21.70	23.00
3GPP Rel 6	HSUPA Subtest-2	19.54	19.68	19.65	21.00
3GPP Rel 6	HSUPA Subtest-3	20.57	20.60	20.69	22.00
3GPP Rel 6	HSUPA Subtest-4	19.54	19.67	19.60	21.00
3GPP Rel 6	HSUPA Subtest-5	21.50	21.67	21.60	23.00



Band 5 Ant 0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.45	22.45	22.46			
10	QPSK	1	25	22.31	22.44	22.31			
10	QPSK	1	49	22.41	22.30	22.42		24	0
10	QPSK	25	0	21.46	21.52	21.52			
10	QPSK	25	12	21.47	21.49	21.39			
10	QPSK	25	25	21.44	21.40	21.43		23	1
10	QPSK	50	0	21.46	21.50	21.45			
10	16QAM	1	0	21.44	21.50	21.35			
10	16QAM	1	25	21.38	21.45	21.45		23	1
10	16QAM	1	49	21.46	21.45	21.43			
10	16QAM	25	0	20.52	20.50	20.42			
10	16QAM	25	12	20.53	20.51	20.42			
10	16QAM	25	25	20.40	20.47	20.51		22	2
10	16QAM	50	0	20.45	20.48	20.48			
10	16QAM	1	0	20.48	20.46	20.53			
10	16QAM	1	25	20.45	20.42	20.43		22	2
10	16QAM	1	49	20.50	20.43	20.41			
10	16QAM	25	0	19.44	19.41	19.51			
10	16QAM	25	12	19.52	19.50	19.38			
10	16QAM	25	25	19.53	19.42	19.38		21	3
10	16QAM	50	0	19.53	19.42	19.38			
10	256QAM	1	0	17.47	17.55	17.40			
10	256QAM	1	25	17.48	17.52	17.52		19	5
10	256QAM	1	49	17.44	17.47	17.46			
10	256QAM	25	0	17.50	17.45	17.52			
10	256QAM	25	12	17.53	17.52	17.43			
10	256QAM	25	25	17.42	17.56	17.46		19	5
10	256QAM	50	0	17.45	17.40	17.50			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.34	22.39	22.39			
5	QPSK	1	12	22.36	22.33	22.32		24	0
5	QPSK	1	24	22.25	22.20	22.32			
5	QPSK	12	0	21.28	21.51	21.48			
5	QPSK	12	7	21.42	21.39	21.29		23	1
5	QPSK	12	13	21.34	21.35	21.34			
5	QPSK	25	0	21.33	21.32	21.33			
5	16QAM	1	0	21.36	21.33	21.28			
5	16QAM	1	12	21.35	21.33	21.39		23	1
5	16QAM	1	24	21.31	21.35	21.26			
5	16QAM	12	0	20.46	20.47	20.29			
5	16QAM	12	7	20.40	20.33	20.38		22	2
5	16QAM	12	13	20.33	20.34	20.40			
5	16QAM	25	0	20.40	20.33	20.40			
5	16QAM	1	0	20.30	20.42	20.48			
5	16QAM	1	12	20.32	20.33	20.40		22	2
5	16QAM	1	24	20.36	20.27	20.24			
5	16QAM	12	0	19.32	19.25	19.44			
5	16QAM	12	7	19.33	19.32	19.30			
5	16QAM	12	13	19.41	19.32	19.44		21	3
5	16QAM	25	0	19.47	19.34	19.32			
5	256QAM	1	0	17.44	17.49	17.26			
5	256QAM	1	12	17.41	17.34	17.39		19	5
5	256QAM	1	24	17.36	17.33	17.33			
5	256QAM	12	0	17.40	17.33	17.48			
5	256QAM	12	7	17.46	17.40	17.32			
5	256QAM	12	13	17.29	17.42	17.41		19	5
5	256QAM	25	0	17.33	17.28	17.43			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.42	22.32	22.38			
3	QPSK	1	8	22.26	22.29	22.16		24	0
3	QPSK	1	14	22.36	22.21	22.34			
3	QPSK	8	0	21.31	21.51	21.35			
3	QPSK	8	4	21.33	21.42	21.26		23	1
3	QPSK	8	8	21.38	21.34	21.28			
3	QPSK	15	0	21.38	21.44	21.32			
3	16QAM	1	0	21.34	21.41	21.20			
3	16QAM	1	8	21.37	21.31	21.34		23	1
3	16QAM	1	14	21.29	21.38	21.39			
3	16QAM	8	0	20.47	20.33	20.30			
3	16QAM	8	4	20.36	20.30	20.31		22	2
3	16QAM	8	7	20.31	20.39	20.43			
3	16QAM	15	0	20.36	20.46	20.44			
3	16QAM	1	0	20.35	20.41	20.44			
3	16QAM	1	8	20.38	20.24	20.39		22	2
3	16QAM	1	14	21.29	21.33	21.26			
3	16QAM	8	0	19.40	19.34	19.45			
3	16QAM	8	4	19.42	19.44	19.26		21	3
3	16QAM	8	7	19.35	19.37	19.33			
3	16QAM	15	0	19.48	19.38	19.23			
3	256QAM	1	0	17.44	17.45	17.27			
3	256QAM	1	8	17.30	17.42	17.42		19	5
3	256QAM	1	14	17.28	17.40	17.31			
3	256QAM	8	0	17.38	17.36	17.34			
3	256QAM	8	4	17.46	17.40	17.31		19	5
3	256QAM	8	7	17.27	17.52	17.39			
3	256QAM	15	0	17.38	17.33	17.45			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.42	22.37	22.33			
1.4	QPSK	1	3	22.14	22.29	22.15			
1.4	QPSK	1	5	22.38	22.19	22.40		24	0
1.4	QPSK	3	0	22.29	22.36	22.33			
1.4	QPSK	3	1	22.42	22.35	22.28			
1.4	QPSK	3	3	22.35	22.35	22.42			
1.4	QPSK	6	0	21.33	21.38	21.40		23	1
1.4	16QAM	1	0	21.30	21.45	21.22			
1.4	16QAM	1	3	21.28	21.23	21.29			
1.4	16QAM	1	14	21.29	21.36	21.26			
1.4	16QAM	3	0	21.29	21.38	21.27		23	1
1.4	16QAM	3	1	21.36	21.37	21.31			
1.4	16QAM	3	3	21.33	21.46	21.30			
1.4	16QAM	6	0	20.31	20.32	20.35		22	2
1.4	16QAM	1	0	20.44	20.39	20.46			
1.4	16QAM	1	3	20.27	20.39	20.41			
1.4	16QAM	1	5	20.42	20.31	20.35			
1.4	16QAM	3	0	20.37	20.37	20.30		22	2
1.4	16QAM	3	1	20.37	20.38	20.32			
1.4	16QAM	3	3	20.37	20.34	20.35		21	3
1.4	16QAM	6	0	19.38	19.38	19.27			
1.4	256QAM	1	0	17.42	17.40	17.24			
1.4	256QAM	1	3	17.31	17.46	17.47		19	5
1.4	256QAM	1	5	17.42	17.41	17.43			
1.4	256QAM	3	0	17.43	17.41	17.49			
1.4	256QAM	3	1	17.40	17.38	17.27			
1.4	256QAM	3	1	17.31	17.50	17.33		19	5
1.4	256QAM	6	0	17.28	17.38	17.47		19	5

Band 7 Ant 0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.49	22.59	22.54			
20	QPSK	1	49	22.41	22.54	22.35		24	0
20	QPSK	1	99	22.48	22.25	22.46			
20	QPSK	50	0	21.52	21.52	21.54			
20	QPSK	50	24	21.53	21.48	21.44		23	1
20	QPSK	50	50	21.41	21.47	21.41			
20	QPSK	100	0	21.52	21.60	21.54			
20	16QAM	1	0	21.42	21.47	21.35			
20	16QAM	1	49	21.46	21.50	21.50		23	1
20	16QAM	1	99	21.51	21.49	21.41			
20	16QAM	50	0	20.54	20.50	20.50			
20	16QAM	50	24	20.63	20.50	20.50		22	2
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	16QAM	1	0	20.60	20.56	20.57			
20	16QAM	1	49	20.55	20.44	20.49		22	2
20	16QAM	1	99	20.59	20.40	20.42			
20	16QAM	50	0	19.44	19.38	19.60			
20	16QAM	50	24	19.52	19.57	19.41		21	3
20	16QAM	50	50	19.54	19.54	19.51			
20	16QAM	1							



Band 13 Ant 0 Default										
BW (MHz)	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)										
10	QPSK	1	0		22.71					
10	QPSK	1	25		22.80				24	0
10	QPSK	1	49		22.38					
10	QPSK	25	0		22.38					
10	QPSK	25	12		21.62				23	1
10	QPSK	25	25		21.53					
10	QPSK	50	0		21.67					
10	16QAM	1	0		21.60					
10	16QAM	1	25		21.51				23	1
10	16QAM	1	49		21.56					
10	16QAM	25	0		20.88					
10	16QAM	25	12		20.67				22	2
10	16QAM	25	25		20.54					
10	16QAM	50	0		20.56					
10	16QAM	1	0		20.69					
10	16QAM	1	25		20.54				22	2
10	16QAM	1	49		20.58					
10	16QAM	25	0		19.49					
10	16QAM	25	12		19.57				21	3
10	16QAM	25	25		19.69					
10	16QAM	50	0		19.57					
10	256QAM	1	0		17.89				19	5
10	256QAM	1	25		17.64					
10	256QAM	1	49		17.67					
10	256QAM	25	0		17.87					
10	256QAM	25	12		17.73				19	5
10	256QAM	25	25		17.69					
10	256QAM	50	0		17.55					
Channel										
Frequency (MHz)										
5	QPSK	1	0		22.63	22.53	22.44			
5	QPSK	1	12		22.27	22.52	22.28		24	0
5	QPSK	1	24		22.55	22.33	22.53			
5	QPSK	12	0		22.38	22.49	22.53			
5	QPSK	12	7		22.50	22.55	22.42		23	1
5	QPSK	12	13		22.42	22.53	22.81			
5	QPSK	25	0		21.42	21.58	21.47			
5	16QAM	1	0		21.50	21.55	21.29			
5	16QAM	1	12		21.41	21.38	21.44		23	1
5	16QAM	1	24		21.41	21.46	21.42			
5	16QAM	12	0		21.49	21.48	21.36			
5	16QAM	12	7		21.54	21.56	21.44		22	2
5	16QAM	12	13		21.43	21.60	21.50			
5	16QAM	25	0		20.50	20.41	20.52			
5	16QAM	25	12		20.60	20.56	20.68			
5	16QAM	25	25		20.47	20.55	20.49		22	2
5	16QAM	50	0		20.63	20.46	20.47			
5	16QAM	12	0		20.58	20.58	20.48			
5	16QAM	12	7		20.59	20.50	20.49		21	3
5	16QAM	12	13		20.48	20.52	20.48			
5	16QAM	25	0		19.50	19.56	19.45			
5	256QAM	1	0		17.57	17.57	17.44		19	5
5	256QAM	1	12		17.40	17.62	17.70			
5	256QAM	1	24		17.57	17.60	17.52			
5	256QAM	12	0		17.53	17.56	17.83			
5	256QAM	12	7		17.55	17.56	17.48		19	5
5	256QAM	12	13		17.53	17.61	17.53			
5	256QAM	25	0		17.42	17.47	17.83			

Band 17 Ant 0 Default										
BW (MHz)	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)										
10	QPSK	1	0		709	710	711			
10	QPSK	1	25		22.61	22.67	22.58		24	0
10	QPSK	1	49		22.59	22.45	22.51			
10	QPSK	25	0		21.57	21.65	21.54			
10	QPSK	25	12		21.55	21.62	21.57		23	1
10	QPSK	25	25		21.59	21.59	21.59			
10	QPSK	50	0		21.61	21.63	21.59			
10	16QAM	1	0		21.54	21.67	21.48			
10	16QAM	1	25		21.56	21.56	21.56		23	1
10	16QAM	1	49		21.63	21.54	21.61			
10	16QAM	25	0		20.85	20.66	20.51			
10	16QAM	25	12		20.61	20.71	20.56		22	2
10	16QAM	25	25		20.55	20.83	20.67			
10	16QAM	50	0		20.60	20.62	20.66			
10	16QAM	1	0		20.67	20.56	20.65			
10	16QAM	1	25		20.57	20.58	20.54		22	2
10	16QAM	1	49		20.68	20.68	20.52			
10	16QAM	25	0		19.60	19.58	19.62			
10	16QAM	25	12		19.71	19.61	19.54		21	3
10	16QAM	25	25		19.66	19.55	19.71			
10	16QAM	50	0		19.75	19.53	19.50			
10	256QAM	1	0		17.70	17.67	17.58			
10	256QAM	1	25		17.59	17.63	17.72		19	5
10	256QAM	1	49		17.51	17.60	17.68			
10	256QAM	25	0		17.63	17.60	17.61			
10	256QAM	25	12		17.76	17.59	17.58			
10	256QAM	25	25		17.68	17.72	17.63		19	5
10	256QAM	50	0		17.63	17.56	17.70			
Channel										
Frequency (MHz)										
5	QPSK	1	0		22.43	22.58	22.47			
5	QPSK	1	12		22.42	22.47	22.42		24	0
5	QPSK	1	24		22.52	22.41	22.51			
5	QPSK	12	0		21.51	21.53	21.83			
5	QPSK	12	7		21.54	21.52	21.45		23	1
5	QPSK	12	13		21.55	21.41	21.55			
5	QPSK	25	0		21.51	21.60	21.46			
5	16QAM	1	0		21.41	21.56	21.43			
5	16QAM	1	12		21.49	21.38	21.57		23	1
5	16QAM	1	24		21.58	21.57	21.44			
5	16QAM	12	0		20.51	20.60	20.45			
5	16QAM	12	7		20.64	20.52	20.50		22	2
5	16QAM	12	13		20.47	20.45	20.50			
5	16QAM	25	0		20.47	20.51	20.51			
5	16QAM	25	12		20.53	20.54	20.51			
5	16QAM	25	25		20.46	20.47	20.46		22	2
5	16QAM	50	0		20.52	20.51	20.47			
5	16QAM	12	0		19.53	19.49	19.56			
5	16QAM	12	7		19.64	19.53	19.42		21	3
5	16QAM	12	13		19.53	19.54	19.62			
5	16QAM	25	0		19.55	19.48	19.44			
5	256QAM	1	0		17.63	17.66	17.40		19	5
5	256QAM	1	12		17.53	17.63	17.59			
5	256QAM	1	24		17.47	17.49	17.43			
5	256QAM	12	0		17.50	17.48	17.54			
5	256QAM	12	7		17.65	17.55	17.49		19	5
5	256QAM	12	13		17.40	17.66	17.45			
5	256QAM	25	0		17.47	17.44	17.52			

Band 26 Ant 0 Default										
BW (MHz)	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)										
15	QPSK	1	0		821.5	831.5	841.5			
15	QPSK	1	37		22.48	22.49	22.44		24	0
15	QPSK	1	74		22.31	22.45	22.32			
15	QPSK	1	111		22.46	22.41	22.44			
15	QPSK	38	0		21.85	21.57	21.53			
15	QPSK	38	20		21.51	21.55	21.47		23	1
15	QPSK	38	39		21.51	21.55	21.52			
15	QPSK	75	0		21.54	21.56	21.54			
15	16QAM	1	0		21.46	21.48	21.38			
15	16QAM	1	37		21.49	21.39	21.47		23	1
15	16QAM	1	74		21.50	21.56	21.48			
15	16QAM	38	0		20.59	20.51	20.50			
15	16QAM	38	20		20.65	20.53	20.38		22	2
15	16QAM	38	39		20.51	20.48	20.58			
15	16QAM	75	0		20.43	20.54	20.52			



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 limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				37850	38000	38150				
20	QPSK	1	0	22.49	22.52	22.46				
20	QPSK	1	49	22.33	22.49	22.33			24	0
20	QPSK	1	99	22.50	22.42	22.51				
20	QPSK	50	0	21.53	21.67	21.61				
20	QPSK	50	24	21.48	21.49	21.44			23	1
20	QPSK	50	50	21.45	21.59	21.56				
20	QPSK	100	0	21.50	21.61	21.45				
20	16QAM	1	0	21.45	21.50	21.47				
20	16QAM	1	49	21.45	21.46	21.53			23	1
20	16QAM	1	99	21.52	21.54	21.45				
20	16QAM	50	0	20.53	20.60	20.52				
20	16QAM	50	24	20.61	20.63	20.41			22	2
20	16QAM	50	50	20.38	20.44	20.59				
20	16QAM	100	0	20.56	20.60	20.47				
20	64QAM	1	0	20.50	20.50	20.57				
20	64QAM	1	49	20.50	20.51	20.52			22	2
20	64QAM	1	99	20.53	20.43	20.53				
20	64QAM	50	0	19.47	19.46	19.48				
20	64QAM	50	24	19.56	19.63	19.48			21	3
20	64QAM	50	50	19.49	19.53	19.48				
20	64QAM	100	0	19.58	19.49	19.41				
20	256QAM	1	0	17.51	17.66	17.47				
20	256QAM	1	49	17.66	17.54	17.65			19	5
20	256QAM	1	99	17.46	17.59	17.55				
20	256QAM	50	0	17.48	17.49	17.54				
20	256QAM	50	24	17.60	17.63	17.40			19	5
20	256QAM	50	50	17.49	17.65	17.46				
20	256QAM	100	0	17.47	17.51	17.48				
Channel										
Frequency (MHz)				37825	38000	38175				
15	QPSK	1	0	22.43	22.40	22.40			24	0
15	QPSK	1	37	22.22	22.44	22.34				
15	QPSK	1	74	22.38	22.18	22.31				
15	QPSK	36	0	21.39	21.41	21.54				
15	QPSK	36	20	21.49	21.43	21.33			23	1
15	QPSK	36	39	21.33	21.35	21.43				
15	QPSK	75	0	21.42	21.40	21.45				
15	16QAM	1	0	21.35	21.50	21.22			23	1
15	16QAM	1	37	21.35	21.30	21.43				
15	16QAM	1	74	21.36	21.34	21.40				
15	16QAM	36	0	20.52	20.45	20.37			22	2
15	16QAM	36	20	20.56	20.46	20.35				
15	16QAM	36	39	20.38	20.36	20.47				
15	16QAM	75	0	20.47	20.38	20.48				
15	64QAM	1	0	20.47	20.48	20.45			22	2
15	64QAM	1	37	20.39	20.36	20.38				
15	64QAM	1	74	20.48	20.36	20.35				
15	64QAM	36	0	19.41	19.40	19.54				
15	64QAM	36	20	19.47	19.47	19.28			21	3
15	64QAM	36	39	19.44	19.45	19.43				
15	64QAM	75	0	19.56	19.32	19.28				
15	256QAM	1	0	17.44	17.56	17.29				
15	256QAM	1	37	17.45	17.54	17.43			19	5
15	256QAM	1	74	17.38	17.39	17.45				
15	256QAM	36	0	17.40	17.34	17.42				
15	256QAM	36	20	17.49	17.53	17.39			19	5
15	256QAM	36	39	17.38	17.58	17.34				
15	256QAM	75	0	17.36	17.28	17.53				
Channel										
Frequency (MHz)				37800	38000	38200				
10	QPSK	1	0	22.34	22.44	22.36			24	0
10	QPSK	1	25	22.31	22.45	22.32				
10	QPSK	1	49	22.42	22.32	22.30				
10	QPSK	25	0	21.43	21.54	21.50				
10	QPSK	25	12	21.43	21.38	21.38			23	1
10	QPSK	25	25	21.32	21.29	21.32				
10	QPSK	50	0	21.42	21.49	21.37				
10	16QAM	1	0	21.31	21.52	21.26				
10	16QAM	1	25	21.40	21.30	21.42			23	1
10	16QAM	1	49	21.46	21.44	21.34				
10	16QAM	25	0	20.53	20.42	20.41				
10	16QAM	25	12	20.41	20.43	20.32			22	2
10	16QAM	25	25	20.38	20.44	20.50				
10	16QAM	50	0	20.41	20.49	20.45				
10	64QAM	1	0	20.41	20.47	20.56				
10	64QAM	1	25	20.46	20.44	20.43			22	2
10	64QAM	1	49	20.47	20.36	20.29				
10	64QAM	25	0	19.41	19.31	19.52				
10	64QAM	25	12	19.42	19.52	19.28			21	3
10	64QAM	25	25	19.47	19.39	19.47				
10	64QAM	50	0	19.48	19.33	19.31				
10	256QAM	1	0	17.48	17.45	17.40				
10	256QAM	1	25	17.45	17.50	17.55			19	5
10	256QAM	1	49	17.39	17.39	17.47				
10	256QAM	25	0	17.50	17.37	17.46				
10	256QAM	25	12	17.51	17.54	17.36			19	5
10	256QAM	25	25	17.37	17.50	17.38				
10	256QAM	50	0	17.37	17.31	17.43				
Channel										
Frequency (MHz)				37775	38000	38225				
5	QPSK	1	0	22.48	22.36	22.45			24	0
5	QPSK	1	12	22.21	22.31	22.23				
5	QPSK	1	24	22.35	22.26	22.30				
5	QPSK	12	0	21.37	21.49	21.47				
5	QPSK	12	7	21.45	21.52	21.34			23	1
5	QPSK	12	13	21.34	21.39	21.45				
5	QPSK	25	0	21.52	21.37	21.44				
5	16QAM	1	0	21.41	21.49	21.38				
5	16QAM	1	12	21.32	21.35	21.48			23	1
5	16QAM	1	24	21.42	21.36	21.35				
5	16QAM	12	0	20.54	20.50	20.30				
5	16QAM	12	7	20.41	20.48	20.39			22	2
5	16QAM	12	13	20.41	20.46	20.53				
5	16QAM	25	0	20.42	20.39	20.48				
5	64QAM	1	0	20.37	20.36	20.40				
5	64QAM	1	12	20.32	20.43	20.45			22	2
5	64QAM	1	24	20.49	20.32	20.39				
5	64QAM	12	0	19.41	19.37	19.49				
5	64QAM	12	7	19.49	19.43	19.25			21	3
5	64QAM	12	13	19.40	19.42	19.37				
5	64QAM	25	0	19.54	19.43	19.32				
5	256QAM	1	0	17.43	17.44	17.31				
5	256QAM	1	12	17.45	17.47	17.54			19	5
5	256QAM	1	24	17.45	17.40	17.34				
5	256QAM	12	0	17.37	17.36	17.50				
5	256QAM	12	7	17.45	17.40	17.38			19	5
5	256QAM	12	13	17.42	17.44	17.39				
5	256QAM	25	0	17.44	17.31	17.41				

Band 41 Ant 0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.41	22.47	22.53	22.46	22.45		
20	QPSK	1	49	22.38	22.35	22.47	22.37	22.34		24
20	QPSK	1	99	22.41	22.45	22.38	22.47	22.40		
20	QPSK	50	0	21.48	21.57	21.59	21.54	21.55		
20	QPSK	50	24	21.51	21.47	21.52	21.40	21.49		23
20	QPSK	50	50	21.43	21.53	21.46	21.50	21.52		
20	QPSK	100	0	21.49	21.58	21.63	21.54	21.55		
20	16QAM	1	0	21.47	21.41	21.60	21.33	21.56		
20	16QAM	1	49	21.50	21.50	21.37	21.57	21.53		



GSM850 Ant 1 Default									
GSM850 Ant 1	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	31.88	32.75	32.98	33.50	22.88	23.75	23.98	24.50	
GPRS 1 Tx slot	31.96	32.65	32.96	33.50	22.96	23.65	23.96	24.50	
GPRS 2 Tx slots	29.67	30.56	30.55	31.50	23.67	24.56	24.55	25.50	
GPRS 3 Tx slots	28.12	28.97	28.88	30.00	23.86	24.71	24.52	25.74	
GPRS 4 Tx slots	25.52	27.16	27.47	27.50	22.52	24.16	24.47	24.50	
EDGE 1 Tx slot	25.81	26.52	26.54	27.00	16.81	17.52	17.54	18.00	
EDGE 2 Tx slots	24.47	25.27	25.32	26.00	18.47	19.27	19.32	20.00	
EDGE 3 Tx slots	22.91	23.84	23.76	24.50	18.65	19.58	19.50	20.24	
EDGE 4 Tx slots	21.23	22.16	22.18	23.00	18.23	19.16	19.18	20.00	

GSM1900 Ant 1 Default									
GSM1900 Ant 1	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	27.21	28.24	28.28	29.00	18.21	19.24	19.28	20.00	
GPRS 1 Tx slot	27.33	28.24	28.35	29.00	18.33	19.24	19.35	20.00	
GPRS 2 Tx slots	24.54	25.85	25.75	26.50	18.54	19.85	19.75	20.50	
GPRS 3 Tx slots	23.14	24.26	24.16	25.00	18.88	20.00	19.90	20.74	
GPRS 4 Tx slots	21.53	22.45	22.77	23.50	18.53	19.45	19.77	20.50	
EDGE 1 Tx slot	22.55	23.78	23.77	24.50	13.55	14.78	14.77	15.50	
EDGE 2 Tx slots	21.68	22.65	22.78	23.50	15.68	16.65	16.78	17.50	
EDGE 3 Tx slots	20.05	21.05	21.14	22.00	15.79	16.79	16.88	17.74	
EDGE 4 Tx slots	18.49	19.53	19.55	20.00	15.49	16.53	16.55	17.00	

Band	WCDMA II Ant 1 Default			Tune-up Limit (dBm)	WCDMA IV Ant 1 Default			Tune-up Limit (dBm)	WCDMA V Ant 1 Default			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX 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	20.45	20.59	20.58	21.50	20.46	20.64	20.57	21.50	22.51	22.60	22.62	24.00
3GPP Rel 99	RMTC 12.2Kbps	20.56	20.61	20.59	21.50	20.69	20.77	20.74	21.50	22.64	22.71	22.65	24.00
3GPP Rel 6	HSDPA Subtest-1	19.85	19.61	19.70	20.50	19.50	19.63	19.67	20.50	21.57	21.65	21.63	23.00
3GPP Rel 6	HSDPA Subtest-2	19.59	19.59	19.64	20.50	19.59	19.71	19.60	20.50	21.62	21.60	21.67	23.00
3GPP Rel 6	HSDPA Subtest-3	19.01	19.14	19.15	20.00	19.13	19.14	19.01	20.00	21.09	21.15	21.04	22.50
3GPP Rel 6	HSDPA Subtest-4	18.98	19.22	19.14	20.00	18.96	19.16	19.18	20.00	21.00	21.19	21.09	22.50
3GPP Rel 8	DCHSDPA Subtest-1	19.56	19.62	19.64	20.50	19.57	19.60	19.63	20.50	21.59	21.69	21.66	23.00
3GPP Rel 8	DCHSDPA Subtest-2	19.68	19.75	19.49	20.50	19.64	19.64	19.63	20.50	21.65	21.73	21.51	23.00
3GPP Rel 8	DCHSDPA Subtest-3	19.08	19.04	19.07	20.00	19.03	19.16	19.03	20.00	20.97	21.15	21.15	22.50
3GPP Rel 8	DCHSDPA Subtest-4	19.01	19.15	19.05	20.00	19.01	19.06	19.11	20.00	21.12	21.16	21.06	22.50
3GPP Rel 6	HSUPA Subtest-1	19.65	19.59	19.68	20.50	19.57	19.52	19.64	20.50	21.53	21.53	21.64	23.00
3GPP Rel 6	HSUPA Subtest-2	17.49	17.67	17.71	18.50	17.46	17.61	17.64	18.50	19.57	19.66	19.68	21.00
3GPP Rel 6	HSUPA Subtest-3	18.51	18.61	18.64	19.50	18.64	18.63	18.76	19.50	20.58	20.62	20.77	22.00
3GPP Rel 6	HSUPA Subtest-4	17.57	17.62	17.60	18.50	17.58	17.75	17.60	18.50	19.59	19.65	19.68	21.00
3GPP Rel 6	HSUPA Subtest-5	19.51	19.62	19.67	20.50	19.43	19.60	19.60	20.50	21.56	21.69	21.66	23.00



Band 12 Ant 1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MFR (dB)	MFR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.45	22.50	22.48			
10	QPSK	1	25	22.31	22.34	22.48	24	0	
10	QPSK	1	49	22.42	22.31	22.40			
10	QPSK	25	0	21.42	21.56	21.55			
10	QPSK	25	12	21.49	21.52	21.41	23	1	
10	QPSK	25	25	21.43	21.33	21.38			
10	QPSK	50	0	21.48	21.53	21.50			
10	HQAM	1	0	21.35	21.52	21.33	23	1	
10	HQAM	1	25	21.38	21.48	21.39			
10	HQAM	1	49	21.47	21.43	21.46			
10	HQAM	25	0	20.59	20.30	20.30	22	2	
10	HQAM	25	12	20.59	20.58	20.31			
10	HQAM	25	25	20.22	20.44	20.31			
10	HQAM	50	0	20.42	20.55	20.32			
10	HQAM	1	0	20.42	20.34	20.40			
10	HQAM	1	25	20.26	20.42	20.36	22	2	
10	HQAM	1	49	20.49	20.45	20.45			
10	HQAM	25	0	19.41	19.43	19.54			
10	HQAM	25	12	19.56	19.42	19.47	21	3	
10	HQAM	25	25	19.50	19.35	19.35			
10	HQAM	50	0	19.47	19.43	19.35			
10	SSBQAM	1	0	17.62	17.53	17.58	19	5	
10	SSBQAM	1	25	17.43	17.50	17.51			
10	SSBQAM	1	49	17.45	17.37	17.44			
10	SSBQAM	25	0	17.56	17.52	17.52	19	5	
10	SSBQAM	25	12	17.41	17.50	17.52			
10	SSBQAM	25	25	17.38	17.57	17.49			
10	SSBQAM	50	0	17.50	17.43	17.43			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.42	22.41	22.27			
5	QPSK	1	12	22.30	22.47	22.41	24	0	
5	QPSK	1	24	22.41	22.20	22.37			
5	QPSK	12	0	21.38	21.58	21.45			
5	QPSK	12	7	21.41	21.52	21.39	23	1	
5	QPSK	12	13	21.41	21.40	21.52			
5	HQAM	1	0	21.41	21.52	21.39	23	1	
5	HQAM	1	12	21.30	21.37	21.42			
5	HQAM	1	24	21.38	21.41	21.50			
5	HQAM	12	0	20.51	20.31	20.30	22	2	
5	HQAM	12	7	20.53	20.40	20.31			
5	HQAM	12	13	20.52	20.45	20.36			
5	HQAM	25	0	20.42	20.57	20.48			
5	HQAM	1	0	20.38	20.39	20.30	22	2	
5	HQAM	1	12	19.42	19.41	19.38			
5	HQAM	1	24	20.45	20.47	20.30			
5	HQAM	12	0	19.42	19.44	19.49			
5	HQAM	12	7	19.52	19.35	19.35	21	3	
5	HQAM	12	13	19.43	19.38	19.57			
5	HQAM	25	0	19.48	19.35	19.25			
5	SSBQAM	1	0	17.52	17.51	17.51	19	5	
5	SSBQAM	1	12	17.50	17.46	17.52			
5	SSBQAM	1	24	17.34	17.33	17.37			
5	SSBQAM	12	0	17.36	17.36	17.36	19	5	
5	SSBQAM	12	7	17.46	17.37	17.41			
5	SSBQAM	12	13	17.38	17.41	17.39			
5	SSBQAM	25	0	17.41	17.33	17.41			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.48	22.45	22.27			
3	QPSK	1	8	22.28	22.38	22.43	24	0	
3	QPSK	1	14	22.46	22.31	22.31			
3	QPSK	8	0	22.27	22.34	22.44	23	1	
3	QPSK	8	4	21.39	21.51	21.34			
3	QPSK	8	7	21.49	21.35	21.48			
3	QPSK	16	0	21.36	21.51	21.34	23	1	
3	HQAM	1	0	21.20	21.38	21.30			
3	HQAM	1	8	21.34	21.44	21.41	23	1	
3	HQAM	1	14	21.37	21.46	21.41			
3	HQAM	8	0	20.53	20.37	20.30	22	2	
3	HQAM	8	4	20.35	20.47	20.28			
3	HQAM	8	7	20.32	20.30	20.46			
3	HQAM	16	0	20.41	20.46	20.42			
3	HQAM	1	0	20.42	20.42	20.43	22	2	
3	HQAM	1	8	20.33	20.48	20.30			
3	HQAM	1	14	20.45	20.50	20.34			
3	HQAM	8	0	19.43	19.44	19.35			
3	HQAM	8	4	19.20	19.38	19.36	21	3	
3	HQAM	8	7	19.49	19.51	19.49			
3	HQAM	16	0	19.54	19.40	19.20			
3	SSBQAM	1	0	17.53	17.48	17.54	19	5	
3	SSBQAM	1	8	17.39	17.51	17.48			
3	SSBQAM	1	14	17.34	17.34	17.45			
3	SSBQAM	8	0	17.29	17.41	17.41	19	5	
3	SSBQAM	8	4	17.57	17.47	17.52			
3	SSBQAM	8	7	17.48	17.51	17.38			
3	SSBQAM	16	0	17.41	17.30	17.46			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.48	22.32	22.45			
1.4	QPSK	1	3	22.26	22.35	22.14	24	0	
1.4	QPSK	1	5	22.42	22.28	22.39			
1.4	QPSK	3	0	22.27	22.34	22.44	23	1	
1.4	QPSK	3	1	22.41	22.33	22.32			
1.4	QPSK	3	3	22.47	22.37	22.43	23	1	
1.4	QPSK	6	0	21.36	21.36	21.37			
1.4	HQAM	1	0	21.42	21.46	21.23	23	1	
1.4	HQAM	1	3	21.39	21.31	21.27			
1.4	HQAM	1	5	21.27	21.38	21.38			
1.4	HQAM	3	0	21.31	21.48	21.29			
1.4	HQAM	3	1	21.45	21.47	21.28			
1.4	HQAM	3	3	21.38	21.46	21.41			
1.4	HQAM	6	0	20.33	20.40	20.37	22	2	
1.4	HQAM	1	0	20.55	20.43	20.50			
1.4	HQAM	1	3	20.37	20.38	20.38	22	2	
1.4	HQAM	1	5	20.41	20.40	20.39			
1.4	HQAM	3	0	20.40	20.37	20.40			
1.4	HQAM	3	1	20.38	20.36	20.32			
1.4	HQAM	3	3	20.47	20.32	20.42			
1.4	SSBQAM	1	0	17.40	17.53	17.34	21	3	
1.4	SSBQAM	1	3	17.42	17.51	17.52			
1.4	SSBQAM	1	5	17.52	17.44	17.40	19	5	
1.4	SSBQAM	3	0	17.52	17.45	17.52			
1.4	SSBQAM	3	1	17.50	17.45	17.25			
1.4	SSBQAM	3	3	17.42	17.57	17.26	19	5	
1.4	SSBQAM	6	0	17.50	17.36	17.58			

Band 13 Ant 1 Default ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MFR (dB)	MFR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.43	22.43	22.43			
10	QPSK	1	25	22.45	22.45	22.45	24	0	
10	QPSK	1	49	22.32	22.32	22.32			
10	QPSK	25	0	21.54	21.54	21.54	23	1	
10	QPSK	25	12	21.52	21.52	21.52			
10	QPSK	25	25	21.52	21.52	21.52			
10	QPSK	50	0	21.51	21.51	21.51	23	1	
10	HQAM	1	0	21.45	21.45	21.45	23	1	
10	HQAM	1	25	21.45	21.45	21.45			
10	HQAM	1	49	21.38	21.38	21.38			
10	HQAM	25	0	20.39	20.39	20.39	22	2	
10	HQAM	25	12	20.51	20.51	20.51			
10	HQAM	25	25	20.48	20.48	20.48			
10	HQAM	50	0	20.58	20.58	20.58	22	2	
10	HQAM	1	0	20.30	20.30	20.30			
10	HQAM	1	25	20.46	20.46	20.46	22	2	
10	HQAM	1	49	20.49	20.41	20.38			
10	HQAM	25	0	19.47	19.47	19.47			
10	HQAM	25	12	19.38	19.38	19.38	21	3	
10	HQAM	25	25	19.38	19.38	19.38			
10	HQAM	50	0	19.45	19.45	19.45			
10	SSBQAM	1	0	17.54	17.54	17.54	19	5	
10	SSBQAM	1	25	17.45	17.45	17.45			
10	SSBQAM	1	49	17.42	17.42	17.42			
10	SSBQAM	25	0	17					



Band 25 Ant 1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-use (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.56	22.61	22.56				
20	QPSK	1	48	22.56	22.61	22.56	24	0		
20	QPSK	1	96	22.51	22.38	22.41				
20	QPSK	50	0	21.53	21.68	21.57				
20	QPSK	50	24	21.48	21.54	21.48	23	1		
20	QPSK	50	50	21.59	21.46	21.49				
20	QPSK	100	0	21.62	21.65	21.55				
20	HQAM	1	0	21.38	21.46	21.33				
20	HQAM	1	48	21.52	21.56	21.47	23	1		
20	HQAM	1	96	21.48	21.57	21.58				
20	HQAM	50	0	20.58	20.58	20.38				
20	HQAM	50	24	20.55	20.58	20.38	22	2		
20	HQAM	50	50	20.45	20.53	20.58				
20	HQAM	100	0	20.57	20.58	20.57				
20	HQAM	1	0	20.56	20.43	20.45				
20	HQAM	1	48	20.54	20.46	20.47	22	2		
20	HQAM	1	96	20.54	20.56	20.54				
20	HQAM	50	0	19.50	19.54	19.56				
20	HQAM	50	24	19.54	19.43	19.45	21	3		
20	HQAM	50	50	19.57	19.46	19.50				
20	HQAM	100	0	19.54	19.43	19.31				
20	HQAM	1	0	17.63	17.76	17.47				
20	2BQAM	1	48	17.48	17.58	17.67	19	5		
20	2BQAM	1	96	17.43	17.44	17.57				
20	2BQAM	50	0	17.54	17.54	17.54				
20	2BQAM	50	24	17.67	17.54	17.53	19	5		
20	2BQAM	50	50	17.49	17.61	17.46				
20	2BQAM	100	0	17.48	17.48	17.68				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.49	22.46	22.36				
15	QPSK	1	48	22.32	22.44	22.43	24	0		
15	QPSK	1	96	22.42	22.38	22.45				
15	QPSK	50	0	21.44	21.68	21.63				
15	QPSK	50	24	21.44	21.58	21.47	23	1		
15	QPSK	50	50	21.55	21.49	21.50				
15	HQAM	1	0	21.50	21.47	21.63				
15	HQAM	1	48	21.28	21.47	21.34	23	1		
15	HQAM	1	96	21.49	21.58	21.52				
15	HQAM	50	0	20.43	20.43	20.39				
15	HQAM	50	24	20.43	20.37	20.39	22	2		
15	HQAM	50	50	20.52	20.53	20.51				
15	HQAM	100	0	20.49	20.34	20.37				
15	HQAM	1	0	19.48	19.38	19.38				
15	HQAM	1	48	19.48	19.38	19.38	21	3		
15	HQAM	1	96	19.50	19.43	19.56				
15	HQAM	50	0	18.50	18.53	18.54				
15	HQAM	50	24	18.57	18.53	18.53	19	5		
15	HQAM	50	50	18.57	17.57	17.57				
15	2BQAM	1	48	17.37	17.48	17.50	19	5		
15	2BQAM	1	96	17.46	17.54	17.54				
15	2BQAM	50	0	17.55	17.55	17.54				
15	2BQAM	50	24	17.67	17.53	17.55	19	5		
15	2BQAM	50	50	17.53	17.53	17.55				
15	2BQAM	100	0	17.48	17.48	17.68				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.52	22.48	22.48				
10	QPSK	1	24	22.34	22.58	22.55	24	0		
10	QPSK	1	48	22.37	22.37	22.43				
10	QPSK	50	0	21.46	21.68	21.65				
10	QPSK	50	12	21.47	21.67	21.47	23	1		
10	QPSK	50	25	21.52	21.43	21.46				
10	HQAM	1	0	21.34	21.49	21.44				
10	HQAM	1	24	21.49	21.58	21.48	23	1		
10	HQAM	1	48	21.56	21.46	21.46				
10	HQAM	50	0	20.51	20.52	20.44				
10	HQAM	50	12	20.50	20.55	20.40	22	2		
10	HQAM	50	25	20.49	20.54	20.58				
10	HQAM	100	0	20.47	20.47	20.45				
10	HQAM	1	0	20.53	20.58	20.55				
10	HQAM	1	48	20.53	20.46	20.45	21	3		
10	HQAM	1	96	19.45	19.46	19.53				
10	HQAM	50	0	18.56	18.48	18.48				
10	HQAM	50	25	19.51	19.47	19.57	19	5		
10	HQAM	50	50	19.63	19.46	19.39				
10	2BQAM	1	48	17.47	17.53	17.63	19	5		
10	2BQAM	1	96	17.51	17.42	17.56				
10	2BQAM	50	0	17.42	17.48	17.54				
10	2BQAM	50	12	17.68	17.56	17.61	19	5		
10	2BQAM	50	25	17.50	17.60	17.50				
10	2BQAM	100	0	17.50	17.41	17.67				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.65	22.64	22.65				
5	QPSK	1	24	22.54	22.54	22.56	24	0		
5	QPSK	1	48	22.59	22.52	22.44				
5	QPSK	50	0	21.51	21.68	21.65				
5	QPSK	50	12	21.48	21.60	21.41	23	1		
5	QPSK	50	13	21.44	21.43	21.43				
5	HQAM	1	0	21.33	21.50	21.41				
5	HQAM	1	12	21.45	21.47	21.51	23	1		
5	HQAM	1	24	21.57	21.43	21.52				
5	HQAM	12	0	20.63	20.52	20.42				
5	HQAM	12	7	20.53	20.62	20.40	22	2		
5	HQAM	12	13	20.43	20.43	20.58				
5	HQAM	25	0	20.58	20.67	20.48				
5	HQAM	1	0	20.49	20.37	20.54				
5	HQAM	1	48	20.54	20.43	20.43	22	2		
5	HQAM	1	96	20.54	20.50	20.50				
5	HQAM	50	0	19.51	19.54	19.58				
5	HQAM	50	12	19.60	19.39	19.41	21	3		
5	HQAM	50	13	19.53	19.42	19.64				
5	HQAM	50	25	19.60	19.41	19.29				
5	2BQAM	1	48	17.59	17.46	17.42	19	5		
5	2BQAM	1	96	17.48	17.52	17.60				
5	2BQAM	50	0	17.40	17.41	17.61				
5	2BQAM	50	12	17.54	17.38	17.37	19	5		
5	2BQAM	50	13	17.54	17.38	17.37				
5	2BQAM	50	25	17.46	17.38	17.41	19	5		
5	2BQAM	100	0	17.41	17.50	17.58				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.43	22.61	22.42				
3	QPSK	1	8	22.39	22.58	22.52	24	0		
3	QPSK	1	14	22.45	22.33	22.47				
3	QPSK	8	0	21.43	21.58	21.65				
3	QPSK	8	4	21.44	21.55	21.43	23	1		
3	QPSK	8	7	21.57	21.46	21.42				
3	HQAM	1	0	21.58	21.43	21.58				
3	HQAM	1	8	21.32	21.51	21.38	23	1		
3	HQAM	1	16	21.52	21.60	21.52				
3	HQAM	1	24	21.47	21.58	21.61				
3	HQAM	8	0	20.56	20.46	20.28				
3	HQAM	8	4	20.47	20.52	20.48	22	2		
3	HQAM	8	8	20.35	20.43	20.62				
3	HQAM	16	0	20.48	20.57	20.53				
3	HQAM	1	0	20.58	20.52	20.49				
3	HQAM	1	24	20.43	20.52	20.42	22	2		
3	HQAM	1	48	20.52	20.49	20.54				
3	HQAM	8	0	19.53	19.58	19.52				
3	HQAM	8	16	19.61	19.43	19.49	21	3		
3	HQAM	8	7	19.67	19.45	19.56				
3	2BQAM	1	48	17.58	17.44	17.48	19	5		
3	2BQAM	1	96	17.43	17.45	17.50				
3	2BQAM	8	0	17.54	17.43	17.55				
3	2BQAM	8	4	17.54	17.43	17.55	19	5		



Band 38 Ant 1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				37500	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.91	22.95	22.86				
20	QPSK	1	49	22.80	22.81	22.80		24	0	
20	QPSK	1	99	22.78	22.72	22.80				
20	QPSK	50	0	21.82	21.89	21.88				
20	QPSK	50	24	21.82	21.81	21.74				
20	QPSK	50	50	21.81	21.80	21.82		23	1	
20	QPSK	100	0	21.81	21.88	21.82				
20	16QAM	1	0	21.74	21.85	21.68				
20	16QAM	1	49	21.87	21.85	21.84		23	1	
20	16QAM	1	99	21.94	21.89	21.93				
20	16QAM	50	0	21.01	20.88	20.72				
20	16QAM	50	24	20.85	20.92	20.82				
20	16QAM	50	50	20.78	20.83	21.05		22	2	
20	16QAM	100	0	20.90	21.01	20.92				
20	64QAM	1	0	20.83	20.81	20.81				
20	64QAM	1	49	20.82	20.90	20.78		22	2	
20	64QAM	1	99	20.77	20.84	20.84				
20	64QAM	50	0	19.91	19.90	19.83				
20	64QAM	50	24	19.88	19.88	19.89				
20	64QAM	50	50	19.85	19.77	20.02		21	3	
20	64QAM	100	0	19.89	19.82	19.73				
20	256QAM	1	0	18.03	18.01	17.79				
20	256QAM	1	49	17.87	17.97	18.07		19	5	
20	256QAM	1	99	17.76	17.77	17.88				
20	256QAM	50	0	17.77	17.79	17.94				
20	256QAM	50	24	17.97	17.92	17.87				
20	256QAM	50	50	17.92	17.84	17.85		19	5	
20	256QAM	100	0	17.82	17.85	18.03				
Channel				37825	38000	38175	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2612.5				
15	QPSK	1	0	22.85	22.88	22.67				
15	QPSK	1	37	22.81	22.82	22.83		24	0	
15	QPSK	1	74	22.84	22.72	22.74				
15	QPSK	36	0	21.74	21.89	21.81				
15	QPSK	36	20	21.74	21.87	21.63		23	1	
15	QPSK	36	39	21.83	21.76	21.84				
15	QPSK	75	0	21.80	21.92	21.84				
15	16QAM	1	0	21.69	21.81	21.72				
15	16QAM	1	37	21.75	21.84	21.81		23	1	
15	16QAM	1	74	21.83	21.74	21.81				
15	16QAM	36	0	20.96	20.79	20.61				
15	16QAM	36	20	20.74	20.86	20.67		22	2	
15	16QAM	36	39	20.77	20.71	20.86				
15	16QAM	75	0	20.77	20.83	20.77				
15	64QAM	1	0	20.87	20.79	20.80				
15	64QAM	1	37	20.72	20.89	20.64		22	2	
15	64QAM	1	74	20.80	20.88	20.70				
15	64QAM	36	0	19.80	19.74	19.88				
15	64QAM	36	20	19.95	19.86	19.65		21	3	
15	64QAM	36	39	19.97	19.73	19.98				
15	64QAM	75	0	19.87	19.79	19.69				
15	256QAM	1	0	17.86	17.84	17.79				
15	256QAM	1	37	17.83	17.91	18.00		19	5	
15	256QAM	1	74	17.68	17.85	17.87				
15	256QAM	36	0	17.80	17.75	17.93				
15	256QAM	36	20	17.93	17.76	17.93				
15	256QAM	36	39	17.78	17.83	17.76		19	5	
15	256QAM	75	0	17.81	17.75	17.99				
Channel				37870	38000	38200	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.71	22.82	22.77				
10	QPSK	1	25	22.76	22.88	22.79		24	0	
10	QPSK	1	49	22.85	22.68	22.75				
10	QPSK	25	0	21.72	21.90	21.95				
10	QPSK	25	12	21.79	21.83	21.66				
10	QPSK	25	25	21.77	21.77	21.77		23	1	
10	QPSK	50	0	21.82	21.87	21.93				
10	16QAM	1	0	21.61	21.76	21.71				
10	16QAM	1	25	21.73	21.84	21.88		23	1	
10	16QAM	1	49	21.87	21.83	21.78				
10	16QAM	25	0	20.89	20.77	20.71				
10	16QAM	25	12	20.76	20.84	20.68				
10	16QAM	25	25	20.64	20.85	20.85		22	2	
10	16QAM	50	0	20.80	20.95	20.90				
10	64QAM	1	0	20.88	20.76	20.76				
10	64QAM	1	25	20.80	20.79	20.75		22	2	
10	64QAM	1	49	20.81	20.86	20.79				
10	64QAM	25	0	19.83	19.74	19.89				
10	64QAM	25	12	19.94	19.81	19.81		21	3	
10	64QAM	25	25	19.96	19.80	19.95				
10	64QAM	50	0	19.88	19.79	19.61				
10	256QAM	1	0	17.95	17.98	17.84				
10	256QAM	1	25	17.87	17.90	18.01		19	5	
10	256QAM	1	49	17.68	17.72	17.84				
10	256QAM	25	0	17.84	17.80	17.92				
10	256QAM	25	12	17.95	17.76	17.89				
10	256QAM	25	25	17.80	17.84	17.70		19	5	
10	256QAM	50	0	17.82	17.84	17.90				
Channel				37775	38000	38225	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2672.5	2595	2617.5				
5	QPSK	1	0	22.80	22.84	22.66				
5	QPSK	1	12	22.85	22.75	22.73		24	0	
5	QPSK	1	24	22.77	22.73	22.76				
5	QPSK	12	0	21.75	21.96	21.81				
5	QPSK	12	7	21.77	21.87	21.71		23	1	
5	QPSK	12	13	21.84	21.70	21.85				
5	QPSK	25	0	21.84	21.94	21.91				
5	16QAM	1	0	21.63	21.85	21.74				
5	16QAM	1	12	21.82	21.81	21.75		23	1	
5	16QAM	1	24	21.84	21.77	21.85				
5	16QAM	12	0	20.92	20.75	20.74				
5	16QAM	12	7	20.73	20.77	20.79				
5	16QAM	12	13	20.62	20.73	20.96		22	2	
5	16QAM	25	0	20.87	20.90	20.91				
5	64QAM	1	0	20.90	20.70	20.81				
5	64QAM	1	12	20.70	20.74	20.70		22	2	
5	64QAM	1	24	20.85	20.89	20.70				
5	64QAM	12	0	19.79	19.78	19.76				
5	64QAM	12	7	19.99	19.83	19.66		21	3	
5	64QAM	12	13	19.85	19.79	19.89				
5	64QAM	25	0	19.90	19.71	19.64				
5	256QAM	1	0	17.91	17.89	17.72				
5	256QAM	1	12	17.91	17.86	17.95		19	5	
5	256QAM	1	24	17.75	17.81	17.83				
5	256QAM	12	0	17.71	17.76	17.92				
5	256QAM	12	7	17.80	17.76	17.85				
5	256QAM	12	13	17.81	17.88	17.79		19	5	
5	256QAM	25	0	17.90	17.70	17.92				

Band 41 Ant 1 Default										
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.	Time-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.75	22.81	22.77	22.81	22.68		
20	QPSK	1	49	22.72	22.85	22.64	22.74	22.70		24
20	QPSK	1	99	22.58	22.45	22.62	22.46	22.47		
20	QPSK	50	0	21.68	21.93	21.73	21.89	21.71		
20	QPSK	50	24	21.85	21.71	21.52	21.75	21.73		
20	QPSK	50	50	21.70	21.51	21.72	21.51	21.52		23
20	QPSK	100	0	21.71	21.77	21.78	21.73	21.78		
20	16QAM	1	0	21.44	21.70	21.53	21.75			



GSM1900 Ant 2 Default

GSM1900 Ant 2	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	30.50	1850.2	1880	1909.8	21.50
Frequency (MHz)	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50
GSM 1 Tx slot	28.60	29.98	29.60	30.50	19.60	20.98	20.60	21.50
GPRS 1 Tx slot	28.65	30.03	29.65	30.50	19.65	21.03	20.65	21.50
GPRS 2 Tx slots	26.55	27.87	27.71	28.50	20.55	21.87	21.71	22.50
GPRS 3 Tx slots	25.01	26.19	26.12	27.00	20.75	21.93	21.96	22.74
GPRS 4 Tx slots	23.51	24.55	24.28	25.50	20.51	21.55	21.28	22.50
EDGE 1 Tx slot	24.74	25.69	26.07	26.50	15.74	16.69	17.07	17.50
EDGE 2 Tx slots	23.58	24.55	24.93	25.50	17.58	18.55	18.93	19.50
EDGE 3 Tx slots	22.00	23.16	23.34	24.00	17.74	18.90	19.08	19.74
EDGE 4 Tx slots	20.52	21.58	21.77	22.50	17.52	18.58	18.77	19.50

WCDMA II Ant 2 Default

WCDMA IV Ant 2 Default

Band	WCDMA II Ant 2			Tune-up Limit (dBm)	WCDMA IV Ant 2			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
TX Channel	9662	9800	9938	1537	1638	1738	1738		
Rx Channel	9662	9800	9938	1537	1638	1738	1738		
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	22.34	22.43	22.42	24.00	22.45	22.35	22.47	24.00
3GPP Rel 99	RMC 12.2Kbps	22.34	22.45	22.43	24.00	22.43	22.51	22.45	24.00
3GPP Rel 6	HSDPA Subtest-1	21.30	21.38	21.44	23.00	21.41	21.47	21.47	23.00
3GPP Rel 6	HSDPA Subtest-2	21.41	21.41	21.53	23.00	21.44	21.42	21.43	23.00
3GPP Rel 6	HSDPA Subtest-3	20.82	21.01	20.88	22.50	20.87	20.92	20.82	22.50
3GPP Rel 6	HSDPA Subtest-4	20.80	20.92	20.85	22.50	20.84	20.96	20.96	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.32	21.54	21.48	23.00	21.37	21.42	21.42	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.41	21.48	21.29	23.00	21.52	21.51	21.36	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.77	20.88	20.93	22.50	20.74	20.90	21.01	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.92	20.95	20.85	22.50	20.94	20.95	20.81	22.50
3GPP Rel 6	HSUPA Subtest-1	21.40	21.37	21.49	23.00	21.36	21.40	21.40	23.00
3GPP Rel 6	HSUPA Subtest-2	19.41	19.45	19.49	21.00	19.31	19.52	19.44	21.00
3GPP Rel 6	HSUPA Subtest-3	20.37	20.44	20.52	22.00	20.45	20.35	20.56	22.00
3GPP Rel 6	HSUPA Subtest-4	19.34	19.43	19.45	21.00	19.34	19.47	19.53	21.00
3GPP Rel 6	HSUPA Subtest-5	21.39	21.50	21.52	23.00	21.36	21.53	21.49	23.00



Band 38 Ant 2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.65	22.67	22.63				
20	QPSK	1	49	22.52	22.52	22.46			24	0
20	QPSK	1	99	22.50	22.61	22.84				
20	QPSK	50	0	21.58	21.69	21.61				
20	QPSK	50	24	21.54	21.58	21.55				
20	QPSK	50	50	21.57	21.46	21.50			23	1
20	QPSK	100	0	21.59	21.65	21.55				
20	16QAM	1	0	21.44	21.44	21.42				
20	16QAM	1	49	21.51	21.61	21.47			23	1
20	16QAM	1	99	21.45	21.59	21.58				
20	16QAM	50	0	20.58	20.68	20.55				
20	16QAM	50	24	20.39	20.63	20.40				
20	16QAM	50	50	20.36	20.38	20.56			22	2
20	16QAM	100	0	20.56	20.62	20.50				
20	64QAM	1	0	20.61	20.66	20.51				
20	64QAM	1	49	20.41	20.51	20.49			22	2
20	64QAM	1	99	20.62	20.63	20.44				
20	64QAM	50	0	19.73	19.56	19.56				
20	64QAM	50	24	19.84	19.58	19.79				
20	64QAM	50	50	19.70	19.60	19.71			21	3
20	64QAM	100	0	19.46	19.64	19.47				
20	256QAM	1	0	17.74	17.68	17.79				
20	256QAM	1	49	17.66	17.64	17.69			19	5
20	256QAM	1	99	17.49	17.59	17.56				
20	256QAM	50	0	17.41	17.58	17.39				
20	256QAM	50	24	17.66	17.62	17.66			19	5
20	256QAM	50	50	17.70	17.58	17.51				
20	256QAM	100	0	17.74	17.66	17.66				
Channel				37825	38000	38175	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2677.5	2595	2612.5				
15	QPSK	1	0	22.43	22.52	22.49				
15	QPSK	1	37	22.40	22.54	22.34			24	0
15	QPSK	1	74	22.49	22.51	22.63				
15	QPSK	36	0	21.44	21.58	21.48				
15	QPSK	36	20	21.41	21.43	21.54			23	1
15	QPSK	36	39	21.59	21.43	21.42				
15	QPSK	75	0	21.57	21.51	21.56				
15	16QAM	1	0	21.32	21.41	21.30				
15	16QAM	1	37	21.46	21.52	21.42			23	1
15	16QAM	1	74	21.37	21.44	21.43				
15	16QAM	36	0	20.62	20.49	20.55				
15	16QAM	36	20	20.37	20.44	20.41			22	2
15	16QAM	36	39	20.27	20.31	20.46				
15	16QAM	75	0	20.33	20.38	20.48				
15	64QAM	1	0	20.56	20.56	20.55				
15	64QAM	1	37	20.40	20.34	20.43			22	2
15	64QAM	1	74	20.42	20.46	20.43				
15	64QAM	36	0	19.62	19.54	19.46				
15	64QAM	36	20	19.64	19.56	19.72			21	3
15	64QAM	36	39	19.59	19.51	19.57				
15	64QAM	75	0	19.43	19.46	19.45				
15	256QAM	1	0	17.59	17.58	17.60				
15	256QAM	1	37	17.55	17.60	17.50			19	5
15	256QAM	1	74	17.48	17.49	17.33				
15	256QAM	36	0	17.38	17.39	17.43				
15	256QAM	36	20	17.48	17.56	17.49				
15	256QAM	36	39	17.59	17.45	17.52			19	5
15	256QAM	75	0	17.67	17.63	17.61				
Channel				37800	38000	38200	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.57	22.51	22.62				
10	QPSK	1	25	22.40	22.42	22.42			24	0
10	QPSK	1	49	22.43	22.53	22.57				
10	QPSK	25	0	21.47	21.53	21.58				
10	QPSK	25	12	21.43	21.50	21.53				
10	QPSK	25	25	21.59	21.43	21.43			23	1
10	QPSK	50	0	21.53	21.58	21.57				
10	16QAM	1	0	21.27	21.38	21.31				
10	16QAM	1	25	21.49	21.46	21.39			23	1
10	16QAM	1	49	21.44	21.47	21.49				
10	16QAM	25	0	20.51	20.60	20.48				
10	16QAM	25	12	20.33	20.48	20.33				
10	16QAM	25	25	20.27	20.35	20.45			22	2
10	16QAM	50	0	20.37	20.39	20.47				
10	64QAM	1	0	20.50	20.48	20.42				
10	64QAM	1	25	20.34	20.33	20.47			22	2
10	64QAM	1	49	20.44	20.44	20.43				
10	64QAM	25	0	19.58	19.52	19.48				
10	64QAM	25	12	19.73	19.50	19.65			21	3
10	64QAM	25	25	19.54	19.60	19.54				
10	64QAM	50	0	19.34	19.53	19.44				
10	256QAM	1	0	17.56	17.63	17.60				
10	256QAM	1	25	17.49	17.50	17.49			19	5
10	256QAM	1	49	17.38	17.47	17.34				
10	256QAM	25	0	17.40	17.38	17.31				
10	256QAM	25	12	17.54	17.63	17.50				
10	256QAM	25	25	17.47	17.51	17.42			19	5
10	256QAM	50	0	17.65	17.57	17.57				
Channel				37775	38000	38225	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2672.5	2595	2617.5				
5	QPSK	1	0	22.49	22.62	22.61				
5	QPSK	1	12	22.38	22.43	22.41			24	0
5	QPSK	1	24	22.46	22.44	22.66				
5	QPSK	12	0	21.53	21.61	21.47				
5	QPSK	12	7	21.51	21.48	21.48				
5	QPSK	12	13	21.50	21.41	21.49			23	1
5	QPSK	25	0	21.64	21.62	21.60				
5	16QAM	1	0	21.26	21.33	21.25				
5	16QAM	1	12	21.43	21.55	21.48			23	1
5	16QAM	1	24	21.38	21.49	21.40				
5	16QAM	12	0	20.53	20.58	20.44				
5	16QAM	12	7	20.29	20.43	20.39				
5	16QAM	12	13	20.34	20.38	20.32			22	2
5	16QAM	25	0	20.47	20.44	20.51				
5	64QAM	1	0	20.52	20.58	20.55				
5	64QAM	1	12	20.29	20.35	20.46			22	2
5	64QAM	1	24	20.53	20.43	20.40				
5	64QAM	12	0	19.56	19.41	19.59				
5	64QAM	12	7	19.70	19.58	19.65				
5	64QAM	12	13	19.60	19.61	19.57			21	3
5	64QAM	25	0	19.39	19.54	19.41				
5	256QAM	1	0	17.53	17.55	17.68				
5	256QAM	1	12	17.43	17.60	17.49			19	5
5	256QAM	1	24	17.50	17.54	17.46				
5	256QAM	12	0	17.34	17.46	17.31				
5	256QAM	12	7	17.60	17.53	17.51				
5	256QAM	12	13	17.47	17.56	17.50			19	5
5	256QAM	25	0	17.55	17.61	17.50				

Band 41 Ant 2 Default										
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	Time-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.51	22.68	22.71	22.68	22.62		
20	QPSK	1	49	22.52	22.63	22.49	22.58	22.44		
20	QPSK	1	99	22.56	22.61	22.69	22.69	22.69		
20	QPSK	50	0	21.54	21.61	21.69	21.58	21.65		
20	QPSK	50	24	21.83	21.50	21.82	21.59	21.58		
20	QPSK	50	50	21.56	21.50	21.48	21.48	21.60		
20	QPSK									



Band 7 Ant 3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.52	21.63	21.48	23	0
20	QPSK	1	49	21.45	21.47	21.49		
20	QPSK	1	99	21.53	21.56	21.62		
20	QPSK	50	0	20.59	20.68	20.62	22	1
20	QPSK	50	24	20.57	20.65	20.53		
20	QPSK	50	50	20.53	20.45	20.43		
20	QPSK	100	0	20.58	20.65	20.59	22	1
20	16QAM	1	0	20.40	20.45	20.49		
20	16QAM	1	49	20.53	20.55	20.55		
20	16QAM	1	99	20.46	20.65	20.56	21	2
20	16QAM	50	0	19.61	19.72	19.48		
20	16QAM	50	24	19.35	19.55	19.42		
20	16QAM	50	50	19.39	19.35	19.56	20	3
20	16QAM	100	0	19.61	19.57	19.55		
20	64QAM	1	0	19.54	19.69	19.44		
20	64QAM	1	49	19.44	19.57	19.53	21	2
20	64QAM	1	99	19.56	19.61	19.44		
20	64QAM	50	0	18.78	18.59	18.59		
20	64QAM	50	24	18.78	18.69	18.77	20	3
20	64QAM	50	50	18.65	18.60	18.71		
20	64QAM	100	0	18.41	18.70	18.41		
20	256QAM	1	0	16.68	16.69	16.81	18	5
20	256QAM	1	49	16.68	16.66	16.67		
20	256QAM	1	99	16.54	16.53	16.50		
20	256QAM	50	0	16.36	16.57	16.39	18	5
20	256QAM	50	24	16.72	16.60	16.71		
20	256QAM	50	50	16.68	16.65	16.58		
20	256QAM	100	0	16.77	16.70	16.73		
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.48	21.50	21.52	23	0
15	QPSK	1	37	21.53	21.50	21.50		
15	QPSK	1	74	21.55	21.55	21.60		
15	QPSK	36	0	20.62	20.67	20.59	22	1
15	QPSK	36	20	20.51	20.57	20.55		
15	QPSK	36	39	20.55	20.45	20.56		
15	QPSK	75	0	20.61	20.70	20.49	22	1
15	16QAM	1	0	20.52	20.36	20.40		
15	16QAM	1	37	20.47	20.56	20.48		
15	16QAM	1	74	20.51	20.63	20.66	21	2
15	16QAM	36	0	19.50	19.75	19.47		
15	16QAM	36	20	19.34	19.61	19.36		
15	16QAM	36	39	19.38	19.32	19.62	21	2
15	16QAM	75	0	19.55	19.57	19.44		
15	64QAM	1	0	19.68	19.60	19.58		
15	64QAM	1	37	19.44	19.57	19.44	21	2
15	64QAM	1	74	19.64	19.68	19.46		
15	64QAM	36	0	18.81	18.55	18.55		
15	64QAM	36	20	18.86	18.67	18.73	20	3
15	64QAM	36	39	18.62	18.58	18.68		
15	64QAM	75	0	18.39	18.58	18.46		
15	256QAM	1	0	16.81	16.62	16.73	18	5
15	256QAM	1	37	16.60	16.68	16.65		
15	256QAM	1	74	16.45	16.58	16.63		
15	256QAM	36	0	16.37	16.54	16.46	18	5
15	256QAM	36	20	16.69	16.59	16.72		
15	256QAM	36	39	16.65	16.53	16.49		
15	256QAM	75	0	16.74	16.65	16.61		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.51	21.51	21.44	23	0
10	QPSK	1	25	21.57	21.45	21.47		
10	QPSK	1	49	21.55	21.62	21.60		
10	QPSK	25	0	20.57	20.62	20.61	22	1
10	QPSK	25	12	20.48	20.56	20.55		
10	QPSK	25	25	20.65	20.48	20.45		
10	QPSK	50	0	20.65	20.59	20.52	22	1
10	16QAM	1	0	20.41	20.39	20.36		
10	16QAM	1	25	20.58	20.68	20.47		
10	16QAM	1	49	20.43	20.59	20.59	21	2
10	16QAM	25	0	19.60	19.74	19.59		
10	16QAM	25	12	19.46	19.58	19.42		
10	16QAM	25	25	19.35	19.40	19.58	21	2
10	16QAM	50	0	19.54	19.58	19.48		
10	64QAM	1	0	19.53	19.62	19.57		
10	64QAM	1	25	19.46	19.52	19.54	21	2
10	64QAM	1	49	19.59	19.60	19.50		
10	64QAM	25	0	18.70	18.49	18.52		
10	64QAM	25	12	18.85	18.57	18.78	20	3
10	64QAM	25	25	18.73	18.63	18.74		
10	64QAM	50	0	18.38	18.71	18.43		
10	256QAM	1	0	16.75	16.70	16.86	18	5
10	256QAM	1	25	16.67	16.64	16.76		
10	256QAM	1	49	16.47	16.54	16.52		
10	256QAM	25	0	16.48	16.53	16.46	18	5
10	256QAM	25	12	16.72	16.63	16.70		
10	256QAM	25	25	16.69	16.62	16.49		
10	256QAM	50	0	16.74	16.60	16.71		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.58	21.53	21.40	23	0
5	QPSK	1	12	21.44	21.45	21.49		
5	QPSK	1	24	21.48	21.59	21.59		
5	QPSK	12	0	20.60	20.76	20.59	22	1
5	QPSK	12	7	20.46	20.64	20.50		
5	QPSK	12	13	20.61	20.47	20.51		
5	QPSK	25	0	20.58	20.63	20.50	22	1
5	16QAM	1	0	20.42	20.49	20.44		
5	16QAM	1	12	20.50	20.55	20.50		
5	16QAM	1	24	20.42	20.65	20.63	21	2
5	16QAM	12	0	19.53	19.66	19.48		
5	16QAM	12	7	19.45	19.59	19.45		
5	16QAM	12	13	19.39	19.42	19.60	21	2
5	16QAM	25	0	19.50	19.65	19.43		
5	64QAM	1	0	19.55	19.66	19.57		
5	64QAM	1	12	19.39	19.46	19.51	21	2
5	64QAM	1	24	19.67	19.67	19.39		
5	64QAM	12	0	18.72	18.50	18.51		
5	64QAM	12	7	18.90	18.59	18.83	20	3
5	64QAM	12	13	18.66	18.56	18.70		
5	64QAM	25	0	18.44	18.66	18.41		
5	256QAM	1	0	16.80	16.70	16.82	18	5
5	256QAM	1	12	16.63	16.56	16.76		
5	256QAM	1	24	16.41	16.63	16.50		
5	256QAM	12	0	16.43	16.53	16.43	18	5
5	256QAM	12	7	16.62	16.59	16.73		
5	256QAM	12	13	16.75	16.59	16.53		
5	256QAM	25	0	16.79	16.60	16.67		



Band 38 Ant 3 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	21.48	21.52	21.44				
20	QPSK	1	49	21.49	21.47	21.41			23	0
20	QPSK	1	99	21.40	21.46	21.42				
20	QPSK	50	0	20.59	20.65	20.58				
20	QPSK	50	24	20.51	20.63	20.57				
20	QPSK	50	50	20.51	20.39	20.47			22	1
20	QPSK	100	0	20.61	20.62	20.58				
20	16QAM	1	0	20.47	20.51	20.36				
20	16QAM	1	49	20.52	20.63	20.44			22	1
20	16QAM	1	99	20.44	20.66	20.51				
20	16QAM	50	0	19.52	19.73	19.58				
20	16QAM	50	24	19.31	19.63	19.33				
20	16QAM	50	50	19.31	19.38	19.50			21	2
20	16QAM	100	0	19.53	19.56	19.52				
20	64QAM	1	0	19.63	19.66	19.49				
20	64QAM	1	49	19.37	19.50	19.53			21	2
20	64QAM	1	99	19.70	19.65	19.52				
20	64QAM	50	0	18.74	18.53	18.48				
20	64QAM	50	24	18.86	18.63	18.65				
20	64QAM	50	50	18.78	18.64	18.71			20	3
20	64QAM	100	0	18.40	18.68	18.40				
20	256QAM	1	0	16.78	16.62	16.82				
20	256QAM	1	49	16.72	16.70	16.74			18	5
20	256QAM	1	99	16.57	16.59	16.53				
20	256QAM	50	0	16.35	16.63	16.40				
20	256QAM	50	24	16.63	16.55	16.68			18	5
20	256QAM	50	50	16.77	16.64	16.49				
20	256QAM	100	0	16.80	16.70	16.69				
Channel				37825	38000	38175	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	21.44	21.34	21.36				
15	QPSK	1	37	21.46	21.34	21.30			23	0
15	QPSK	1	74	21.44	21.43	21.50				
15	QPSK	36	0	20.50	20.59	20.59				
15	QPSK	36	20	20.38	20.43	20.42			22	1
15	QPSK	36	39	20.46	20.32	20.44				
15	QPSK	75	0	20.49	20.49	20.42				
15	16QAM	1	0	20.38	20.28	20.27				
15	16QAM	1	37	20.46	20.57	20.34			22	1
15	16QAM	1	74	20.32	20.48	20.50				
15	16QAM	36	0	19.43	19.55	19.38				
15	16QAM	36	20	19.36	19.52	19.26			21	2
15	16QAM	36	39	19.27	19.25	19.47				
15	16QAM	75	0	19.42	19.56	19.46				
15	64QAM	1	0	19.43	19.49	19.37				
15	64QAM	1	37	19.34	19.47	19.47			21	2
15	64QAM	1	74	19.47	19.52	19.38				
15	64QAM	36	0	18.67	18.48	18.45				
15	64QAM	36	20	18.70	18.49	18.65			20	3
15	64QAM	36	39	18.52	18.53	18.53				
15	64QAM	75	0	18.42	18.55	18.35				
15	256QAM	1	0	16.65	16.50	16.69				
15	256QAM	1	37	16.56	16.56	16.52			18	5
15	256QAM	1	74	16.38	16.46	16.39				
15	256QAM	36	0	16.27	16.47	16.23				
15	256QAM	36	20	16.59	16.52	16.54			18	5
15	256QAM	36	39	16.52	16.54	16.36				
15	256QAM	75	0	16.69	16.61	16.60				
Channel				37800	38000	38200	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	21.41	21.35	21.31				
10	QPSK	1	25	21.35	21.49	21.38			23	0
10	QPSK	1	49	21.39	21.48	21.50				
10	QPSK	25	0	20.56	20.67	20.57				
10	QPSK	25	12	20.42	20.56	20.52			22	1
10	QPSK	25	25	20.49	20.31	20.40				
10	QPSK	50	0	20.48	20.61	20.46				
10	16QAM	1	0	20.38	20.28	20.24				
10	16QAM	1	25	20.36	20.45	20.43			22	1
10	16QAM	1	49	20.37	20.57	20.53				
10	16QAM	25	0	19.46	19.62	19.52				
10	16QAM	25	12	19.34	19.56	19.23				
10	16QAM	25	25	19.32	19.35	19.47			21	2
10	16QAM	50	0	19.42	19.57	19.33				
10	64QAM	1	0	19.55	19.60	19.49				
10	64QAM	1	25	19.34	19.46	19.42			21	2
10	64QAM	1	49	19.58	19.51	19.37				
10	64QAM	25	0	18.60	18.47	18.39				
10	64QAM	25	12	18.75	18.52	18.70			20	3
10	64QAM	25	25	18.57	18.50	18.65				
10	64QAM	50	0	18.40	18.46	18.31				
10	256QAM	1	0	16.66	16.55	16.76				
10	256QAM	1	25	16.51	16.53	16.55			18	5
10	256QAM	1	49	16.47	16.54	16.51				
10	256QAM	25	0	16.26	16.42	16.24				
10	256QAM	25	12	16.56	16.56	16.56			18	5
10	256QAM	25	25	16.59	16.41	16.49				
10	256QAM	50	0	16.68	16.62	16.50				
Channel				37775	38000	38225	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	21.48	21.40	21.43				
5	QPSK	1	12	21.41	21.37	21.29			23	0
5	QPSK	1	24	21.47	21.44	21.45				
5	QPSK	12	0	20.45	20.65	20.49				
5	QPSK	12	7	20.43	20.45	20.47			22	1
5	QPSK	12	13	20.51	20.44	20.33				
5	QPSK	25	0	20.51	20.52	20.39				
5	16QAM	1	0	20.26	20.30	20.32			22	1
5	16QAM	1	12	20.45	20.49	20.38				
5	16QAM	1	24	20.38	20.42	20.52				
5	16QAM	12	0	19.44	19.51	19.39				
5	16QAM	12	7	19.22	19.46	19.34			21	2
5	16QAM	12	13	19.33	19.30	19.47				
5	16QAM	25	0	19.48	19.52	19.44				
5	64QAM	1	0	19.53	19.57	19.41				
5	64QAM	1	12	19.27	19.37	19.35			21	2
5	64QAM	1	24	19.53	19.47	19.31				
5	64QAM	12	0	18.61	18.52	18.38				
5	64QAM	12	7	18.78	18.54	18.70			20	3
5	64QAM	12	13	18.57	18.55	18.62				
5	64QAM	25	0	18.33	18.52	18.38				
5	256QAM	1	0	16.58	16.52	16.69				
5	256QAM	1	12	16.59	16.56	16.58			18	5
5	256QAM	1	24	16.31	16.46	16.52				
5	256QAM	12	0	16.23	16.43	16.34				
5	256QAM	12	7	16.61	16.58	16.64			18	5
5	256QAM	12	13	16.52	16.45	16.39				
5	256QAM	25	0	16.69	16.53	16.62				

Band 41 Ant 3 Default										
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.	Time-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.43	21.51	21.54	21.39	21.40		
20	QPSK	1	49	21.53	21.53	21.46	21.42	21.46		23
20	QPSK	1	99	21.45	21.50	21.52	21.46	21.41		
20	QPSK	50	0	20.61	20.62	20.63	20.60	20.59		
20	QPSK	50	24	20.63	20.55	20.63	20.61	20.63		
20	QPSK	50	50	20.46	20.41	20.41	20.41	20.37		22
20	Q									



Band 42 Part 27Q Ant 7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.68	22.75	22.73			
20	QPSK	1	49	22.53	22.70	22.53	24	0	
20	QPSK	1	99	22.63	22.57	22.65			
20	QPSK	50	0	21.63	21.74	21.59			
20	QPSK	50	24	21.67	21.66	21.60			
20	QPSK	50	50	21.58	21.57	21.45			
20	QPSK	100	0	21.64	21.73	21.63	23	1	
20	16QAM	1	0	21.37	21.47	21.44			
20	16QAM	1	49	21.43	21.54	21.64	23	1	
20	16QAM	1	99	21.60	21.64	21.67			
20	16QAM	50	0	20.66	20.70	20.75			
20	16QAM	50	24	20.48	20.39	20.42			
20	16QAM	50	50	20.54	20.47	20.48	22	2	
20	16QAM	100	0	20.45	20.57	20.58			
20	64QAM	1	0	20.60	20.64	20.72			
20	64QAM	1	49	20.52	20.42	20.58	22	2	
20	64QAM	1	99	20.53	20.47	20.55			
20	64QAM	50	0	19.57	19.48	19.63			
20	64QAM	50	24	19.73	19.83	19.75			
20	64QAM	50	50	19.71	19.71	19.61	21	3	
20	64QAM	100	0	19.55	19.55	19.55			
20	256QAM	1	0	17.64	17.57	17.73			
20	256QAM	1	49	17.71	17.66	17.60	19	5	
20	256QAM	1	99	17.58	17.57	17.66			
20	256QAM	50	0	17.55	17.51	17.57			
20	256QAM	50	24	17.55	17.66	17.72	19	5	
20	256QAM	50	50	17.45	17.48	17.52			
20	256QAM	100	0	17.67	17.75	17.57			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.51	22.65	22.52			
15	QPSK	1	37	22.40	22.50	22.48	24	0	
15	QPSK	1	74	22.64	22.46	22.64			
15	QPSK	36	0	21.46	21.59	21.59			
15	QPSK	36	20	21.51	21.52	21.49	23	1	
15	QPSK	36	39	21.46	21.36	21.32			
15	QPSK	75	0	21.58	21.59	21.45			
15	16QAM	1	0	21.26	21.31	21.38			
15	16QAM	1	37	21.44	21.31	21.51	23	1	
15	16QAM	1	74	21.54	21.49	21.55			
15	16QAM	36	0	20.53	20.67	20.63			
15	16QAM	36	20	20.33	20.41	20.41	22	2	
15	16QAM	36	39	20.49	20.41	20.34			
15	16QAM	75	0	20.46	20.43	20.47			
15	64QAM	1	0	20.60	20.49	20.54			
15	64QAM	1	37	20.39	20.34	20.34	22	2	
15	64QAM	1	74	20.33	20.42	20.32			
15	64QAM	36	0	19.53	19.46	19.54			
15	64QAM	36	20	19.64	19.66	19.65	21	3	
15	64QAM	36	39	19.66	19.53	19.51			
15	64QAM	75	0	19.45	19.38	19.38			
15	256QAM	1	0	17.67	17.58	17.64			
15	256QAM	1	37	17.67	17.65	17.49	19	5	
15	256QAM	1	74	17.50	17.45	17.42			
15	256QAM	36	0	17.34	17.37	17.45			
15	256QAM	36	20	17.54	17.58	17.65	19	5	
15	256QAM	36	39	17.37	17.41	17.55			
15	256QAM	75	0	17.46	17.62	17.54			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.54	22.71	22.57			
10	QPSK	1	25	22.45	22.59	22.51	24	0	
10	QPSK	1	49	22.63	22.53	22.65			
10	QPSK	25	0	21.58	21.59	21.49			
10	QPSK	25	12	21.46	21.55	21.50	23	1	
10	QPSK	25	25	21.37	21.38	21.32			
10	QPSK	50	0	21.55	21.56	21.43			
10	16QAM	1	0	21.27	21.31	21.38			
10	16QAM	1	25	21.31	21.44	21.41	23	1	
10	16QAM	1	49	21.44	21.53	21.45			
10	16QAM	25	0	20.64	20.68	20.55			
10	16QAM	25	12	20.36	20.35	20.37	22	2	
10	16QAM	25	25	20.38	20.48	20.28			
10	16QAM	50	0	20.39	20.47	20.54			
10	64QAM	1	0	20.64	20.48	20.50			
10	64QAM	1	25	20.36	20.40	20.44	22	2	
10	64QAM	1	49	20.44	20.32	20.33			
10	64QAM	25	0	19.41	19.44	19.49			
10	64QAM	25	12	19.68	19.68	19.77	21	3	
10	64QAM	25	25	19.76	19.65	19.63			
10	64QAM	50	0	19.46	19.39	19.44			
10	256QAM	1	0	17.68	17.53	17.69			
10	256QAM	1	25	17.61	17.50	17.53	19	5	
10	256QAM	1	49	17.42	17.36	17.51			
10	256QAM	25	0	17.33	17.44	17.42			
10	256QAM	25	12	17.55	17.58	17.56	19	5	
10	256QAM	25	25	17.36	17.51	17.54			
10	256QAM	50	0	17.49	17.55	17.55			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.68	22.61	22.54			
5	QPSK	1	12	22.49	22.61	22.55	24	0	
5	QPSK	1	24	22.56	22.49	22.54			
5	QPSK	12	0	21.45	21.61	21.60			
5	QPSK	12	7	21.44	21.58	21.49	23	1	
5	QPSK	12	13	21.35	21.43	21.44			
5	QPSK	25	0	21.52	21.55	21.52			
5	16QAM	1	0	21.23	21.44	21.46			
5	16QAM	1	12	21.28	21.38	21.48	23	1	
5	16QAM	1	24	21.54	21.55	21.53			
5	16QAM	12	0	20.64	20.55	20.62			
5	16QAM	12	7	20.31	20.34	20.29			
5	16QAM	12	13	20.40	20.40	20.36	22	2	
5	16QAM	25	0	20.40	20.52	20.47			
5	64QAM	1	0	20.57	20.54	20.52			
5	64QAM	1	12	20.34	20.40	20.41	22	2	
5	64QAM	1	24	20.34	20.45	20.32			
5	64QAM	12	0	19.50	19.43	19.43			
5	64QAM	12	7	19.70	19.68	19.73	21	3	
5	64QAM	12	13	19.75	19.51	19.47			
5	64QAM	25	0	19.49	19.46	19.39			
5	256QAM	1	0	17.63	17.52	17.62			
5	256QAM	1	12	17.54	17.49	17.51	19	5	
5	256QAM	1	24	17.40	17.45	17.47			
5	256QAM	12	0	17.42	17.47	17.43			
5	256QAM	12	7	17.55	17.53	17.63	19	5	
5	256QAM	12	13	17.41	17.43	17.45			
5	256QAM	25	0	17.42	17.59	17.59			



Reduced Power Mode for DSI2

GSM850 Ant 0 DSI2								
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	198	251		128	198	251	
Tx Channel	854.2	856.4	858.8	854.2	856.4	858.8	854.2	856.4
Frequency (MHz)	854.2	856.4	858.8	854.2	856.4	858.8	854.2	856.4
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78	24.50
GPRS 1 Tx slot	32.74	32.96	32.98	33.50	23.74	23.86	23.88	24.50
GPRS 2 Tx slot	29.65	30.91	30.88	31.50	23.65	24.91	24.88	25.50
GPRS 3 Tx slot	28.18	29.33	29.31	30.00	23.90	25.07	25.05	25.74
GPRS 4 Tx slot	26.54	27.73	27.91	28.00	23.54	24.73	24.91	25.00
EDGE 1 Tx slot	26.66	26.45	26.71	27.00	18.65	17.45	17.71	18.00
EDGE 2 Tx slot	24.67	25.48	25.28	26.00	18.67	19.48	19.28	20.00
EDGE 3 Tx slot	23.14	23.92	23.91	24.50	18.88	19.66	19.65	20.24
EDGE 4 Tx slot	21.52	22.24	22.21	23.00	18.52	19.24	19.21	20.00

WCDMA V Ant 0 DSI2				
Band	4152	4152	4253	Tune-up Limit (dBm)
TX Channel	4357	4407	4458	
Frequency (MHz)	4357	4407	4458	
3GPP Rel 99 AMR 12.2kops	22.53	22.62	22.56	24.80
3GPP Rel 99 RMC 12.2kops	22.26	22.26	22.26	24.00
3GPP Rel 6 HSDPA Subsets-1	21.97	21.69	21.68	23.00
3GPP Rel 6 HSDPA Subsets-2	21.61	21.64	21.62	23.00
3GPP Rel 6 HSDPA Subsets-3	21.07	21.17	21.07	22.50
3GPP Rel 6 HSDPA Subsets-4	21.00	21.15	21.15	22.50
3GPP Rel 8 DC-HSDPA Subsets-1	21.53	21.63	21.64	23.00
3GPP Rel 8 DC-HSDPA Subsets-2	21.61	21.71	21.57	23.00
3GPP Rel 8 DC-HSDPA Subsets-3	21.03	21.11	21.08	22.50
3GPP Rel 8 DC-HSDPA Subsets-4	21.05	21.09	21.12	22.50
3GPP Rel 6 HSUPA Subsets-1	21.61	21.57	21.70	23.00
3GPP Rel 6 HSUPA Subsets-2	19.54	19.68	19.65	21.00
3GPP Rel 6 HSUPA Subsets-3	20.57	20.60	20.68	22.00
3GPP Rel 6 HSUPA Subsets-4	19.54	19.67	19.60	21.00
3GPP Rel 6 HSUPA Subsets-5	21.50	21.67	21.60	23.00



Band 5 Ant 0 DS12									
BW (MHz)	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)				829	836.5	844			
10	QPSK	1	0	22.60	22.63	22.61			
10	QPSK	1	25	22.46	22.59	22.46			
10	QPSK	1	49	22.56	22.45	22.57		24	0
10	QPSK	25	0	21.61	21.61	21.61			
10	QPSK	25	12	21.62	21.64	21.54			
10	QPSK	25	25	21.59	21.55	21.58		23	1
10	QPSK	50	0	21.61	21.65	21.60			
10	16QAM	1	0	21.59	21.85	21.50			
10	16QAM	1	25	21.53	21.80				
10	16QAM	1	49	21.61	21.61	21.58		23	1
10	16QAM	25	0	20.67	20.65	20.57			
10	16QAM	25	12	20.68	20.66	20.57			
10	16QAM	25	25	20.55	20.62	20.66		22	2
10	16QAM	50	0	20.80	20.63	20.63			
10	16QAM	1	0	20.63	20.61	20.68			
10	16QAM	1	25	20.60	20.57	20.58		22	2
10	16QAM	1	49	20.65	20.58	20.56			
10	16QAM	25	0	19.59	19.56	19.66			
10	16QAM	25	12	19.67	19.65	19.53			
10	16QAM	25	25	19.66	19.66	19.65		21	3
10	16QAM	50	0	19.68	19.57	19.54			
10	256QAM	1	0	17.62	17.70	17.65			
10	256QAM	1	25	17.63	17.67	17.67		19	5
10	256QAM	1	49	17.59	17.62	17.61			
10	256QAM	25	0	17.85	17.80	17.87			
10	256QAM	25	12	17.81	17.87	17.88			
10	256QAM	25	25	17.57	17.71	17.61		19	5
10	256QAM	50	0	17.80	17.55	17.65			
Channel									
Frequency (MHz)				20425	20529	20625			
5	QPSK	1	0	22.49	22.54	22.54			
5	QPSK	1	12	22.45	22.48	22.39		24	0
5	QPSK	1	24	22.40	22.35	22.42			
5	QPSK	12	0	21.43	21.66	21.63			
5	QPSK	12	7	21.57	21.54	21.44		23	1
5	QPSK	12	13	21.49	21.50	21.49			
5	QPSK	25	0	21.48	21.47	21.48			
5	16QAM	1	0	21.51	21.54	21.43			
5	16QAM	1	12	21.50	21.48	21.54		23	1
5	16QAM	1	24	21.46	21.50	21.41			
5	16QAM	12	0	20.61	20.62	20.44			
5	16QAM	12	7	20.55	20.48	20.53		22	2
5	16QAM	12	13	20.46	20.58	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	16QAM	1	0	20.45	20.57	20.63			
5	16QAM	1	12	20.47	20.48	20.55		22	2
5	16QAM	1	24	20.51	20.42	20.39			
5	16QAM	12	0	19.47	19.40	19.59			
5	16QAM	12	7	19.61	19.57	19.48			
5	16QAM	12	13	19.56	19.47	19.59		21	3
5	16QAM	25	0	19.62	19.49	19.47			
5	256QAM	1	0	17.59	17.64	17.41			
5	256QAM	1	12	17.56	17.49	17.54		19	5
5	256QAM	1	24	17.45	17.48	17.48			
5	256QAM	12	0	17.55	17.48	17.63			
5	256QAM	12	7	17.61	17.55	17.47			
5	256QAM	12	13	17.44	17.57	17.56		19	5
5	256QAM	25	0	17.48	17.41	17.58			
Channel									
Frequency (MHz)				23115	23222	23322			
3	QPSK	1	0	22.57	22.47	22.51			
3	QPSK	1	8	22.41	22.44	22.31		24	0
3	QPSK	1	14	22.51	22.38	22.49			
3	QPSK	8	0	21.46	21.66	21.50			
3	QPSK	8	4	21.48	21.57	21.41		23	1
3	QPSK	8	8	21.46	21.48	21.44			
3	QPSK	15	0	21.53	21.59	21.47			
3	16QAM	1	0	21.49	21.58	21.35			
3	16QAM	1	8	21.52	21.46	21.49		23	1
3	16QAM	1	14	21.44	21.53	21.54			
3	16QAM	8	0	20.62	20.48	20.45			
3	16QAM	8	4	20.54	20.59	20.46			
3	16QAM	8	7	20.46	20.54	20.59		22	2
3	16QAM	15	0	20.51	20.61	20.59			
3	16QAM	1	0	20.50	20.56	20.59			
3	16QAM	1	8	20.51	20.39	20.54		22	2
3	16QAM	1	14	21.44	21.50	21.41			
3	16QAM	8	0	19.55	19.49	19.60			
3	16QAM	8	4	19.57	19.59	19.41		21	3
3	16QAM	8	7	19.50	19.52	19.48			
3	16QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.59	17.60	17.42			
3	256QAM	1	8	17.45	17.57	17.57		19	5
3	256QAM	1	14	17.43	17.55	17.46			
3	256QAM	8	0	17.54	17.51	17.49			
3	256QAM	8	4	17.61	17.55	17.46		19	5
3	256QAM	8	7	17.42	17.67	17.54			
3	256QAM	15	0	17.63	17.48	17.60			
Channel									
Frequency (MHz)				26017	26022	26043			
1.4	QPSK	1	0	22.57	22.52	22.48			
1.4	QPSK	1	3	22.29	22.44	22.30		24	0
1.4	QPSK	1	5	22.53	22.34	22.55			
1.4	QPSK	3	0	22.44	22.51	22.48			
1.4	QPSK	3	1	22.57	22.50	22.43			
1.4	QPSK	3	3	22.50	22.50	22.57		23	1
1.4	QPSK	6	0	21.48	21.51	21.55			
1.4	16QAM	1	0	21.45	21.60	21.37			
1.4	16QAM	1	3	21.43	21.38	21.44			
1.4	16QAM	1	12	21.44	21.50	21.41		23	1
1.4	16QAM	3	0	21.44	21.53	21.42			
1.4	16QAM	3	1	21.51	21.52	21.46			
1.4	16QAM	3	3	21.48	21.61	21.45			
1.4	16QAM	6	0	20.46	20.47	20.50		22	2
1.4	16QAM	1	0	20.59	20.54	20.58			
1.4	16QAM	1	3	20.42	20.54	20.58			
1.4	16QAM	1	5	20.57	20.48	20.50		22	2
1.4	16QAM	3	0	20.52	20.52	20.45			
1.4	16QAM	3	1	20.52	20.53	20.47			
1.4	16QAM	3	3	20.52	20.49	20.50		21	3
1.4	16QAM	6	0	19.51	19.51	19.42			
1.4	256QAM	1	0	17.57	17.55	17.39			
1.4	256QAM	1	3	17.46	17.61	17.62		19	5
1.4	256QAM	1	5	17.57	17.56	17.58			
1.4	256QAM	3	0	17.58	17.58	17.64			
1.4	256QAM	3	1	17.55	17.60	17.42			
1.4	256QAM	3	3	17.46	17.65	17.48		19	5
1.4	256QAM	6	0	17.44	17.53	17.62		19	5

Band 7 Ant 0 DS12									
BW (MHz)	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)				2510	2535	2560			
20	QPSK	1	0	22.49	22.59	22.54			
20	QPSK	1	49	22.41	22.54	22.35		24	0
20	QPSK	1	99	22.48	22.29	22.46			
20	QPSK	50	0	21.52	21.52	21.54			
20	QPSK	50	24	21.53	21.49	21.44		23	1
20	QPSK	50	50	21.41	21.47	21.41			
20	QPSK	100	0	21.52	21.62	21.54			
20	16QAM	1	0	21.42	21.47	21.35			
20	16QAM	1	49	21.46	21.60	21.50		23	1
20	16QAM	1	99	21.51	21.49	21.41			
20	16QAM	50	0	20.54	20.50	20.50			
20	16QAM	50	24	20.63	20.50	20.50		22	2
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	16QAM	1	0	20.60	20.56	20.57			
20	16QAM	1	49	20.55	20.44	20.49		22	2
20	16QAM	1	99	20.59	20.40	20.42			
20	16QAM	50	0	19.44	19.38	19.60			
20	16QAM								



Band 13 Ant 0 DSI2										
BW (MHz)	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)										
10	QPSK	1	0		22.71					
10	QPSK	1	25		22.80				24	0
10	QPSK	1	49		22.38					
10	QPSK	25	0		21.62					
10	QPSK	25	12		21.62				23	1
10	QPSK	25	25		21.53					
10	QPSK	50	0		21.67					
10	16QAM	1	0		21.60					
10	16QAM	1	25		21.51				23	1
10	16QAM	1	49		21.56					
10	16QAM	25	0		20.88					
10	16QAM	25	12		20.67				22	2
10	16QAM	25	25		20.54					
10	16QAM	50	0		20.56					
10	16QAM	1	0		20.89					
10	16QAM	1	25		20.54				22	2
10	16QAM	1	49		20.58					
10	16QAM	25	0		19.49					
10	16QAM	25	12		19.57				21	3
10	16QAM	25	25		19.69					
10	16QAM	50	0		19.57					
10	256QAM	1	0		17.89					
10	256QAM	1	25		17.64				19	5
10	256QAM	1	49		17.87					
10	256QAM	25	0		17.87					
10	256QAM	25	12		17.73					
10	256QAM	25	25		17.69				19	5
10	256QAM	50	0		17.55					
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.63	22.53	22.44				
5	QPSK	1	12	22.27	22.52	22.28			24	0
5	QPSK	1	24	22.55	22.33	22.53				
5	QPSK	12	0	22.38	22.49	22.53				
5	QPSK	12	7	22.50	22.55	22.42			23	1
5	QPSK	12	13	22.42	22.53	22.81				
5	QPSK	25	0	21.42	21.58	21.47				
5	16QAM	1	0	21.50	21.55	21.29				
5	16QAM	1	12	21.41	21.38	21.44			23	1
5	16QAM	1	24	21.41	21.46	21.42				
5	16QAM	12	0	21.49	21.48	21.36				
5	16QAM	12	7	21.54	21.56	21.44			22	2
5	16QAM	12	13	21.43	21.60	21.50				
5	16QAM	25	0	20.50	20.41	20.52				
5	16QAM	25	12	20.60	20.56	20.68				
5	16QAM	25	25	20.47	20.55	20.49			22	2
5	16QAM	50	0	20.63	20.46	20.47				
5	16QAM	12	0	20.58	20.58	20.48				
5	16QAM	12	7	20.59	20.50	20.49			21	3
5	16QAM	12	13	20.48	20.52	20.48				
5	16QAM	25	0	19.50	19.56	19.45				
5	256QAM	1	0	17.57	17.57	17.44				
5	256QAM	1	12	17.40	17.62	17.70			19	5
5	256QAM	1	24	17.57	17.60	17.52				
5	256QAM	12	0	17.53	17.56	17.83				
5	256QAM	12	7	17.55	17.56	17.48				
5	256QAM	12	13	17.53	17.61	17.53			19	5
5	256QAM	25	0	17.42	17.47	17.83				

Band 17 Ant 0 DSI2										
BW (MHz)	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)										
10	QPSK	1	0		709	710	711			
10	QPSK	1	25		22.61	22.67	22.58			
10	QPSK	1	49		22.59	22.45	22.51		24	0
10	QPSK	25	0		21.57	21.65	21.54			
10	QPSK	25	12		21.55	21.62	21.57			
10	QPSK	25	25		21.59	21.59	21.59		23	1
10	QPSK	50	0		21.61	21.63	21.59			
10	16QAM	1	0		21.54	21.67	21.48			
10	16QAM	1	25		21.56	21.56	21.56		23	1
10	16QAM	1	49		21.63	21.54	21.61			
10	16QAM	25	0		20.85	20.66	20.51			
10	16QAM	25	12		20.61	20.71	20.59			
10	16QAM	25	25		20.55	20.83	20.67		22	2
10	16QAM	50	0		20.60	20.62	20.66			
10	16QAM	1	0		20.67	20.56	20.65			
10	16QAM	1	25		20.57	20.58	20.54		22	2
10	16QAM	1	49		20.68	20.68	20.52			
10	16QAM	25	0		19.80	19.58	19.62			
10	16QAM	25	12		19.71	19.61	19.54		21	3
10	16QAM	25	25		19.86	19.55	19.71			
10	16QAM	50	0		19.75	19.53	19.50			
10	256QAM	1	0		17.70	17.67	17.58			
10	256QAM	1	25		17.59	17.63	17.72		19	5
10	256QAM	1	49		17.51	17.80	17.88			
10	256QAM	25	0		17.63	17.80	17.81			
10	256QAM	25	12		17.76	17.59	17.58			
10	256QAM	25	25		17.68	17.72	17.63		19	5
10	256QAM	50	0		17.83	17.58	17.70			
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.58	22.47				
5	QPSK	1	12	22.42	22.47	22.42			24	0
5	QPSK	1	24	22.52	22.41	22.51				
5	QPSK	12	0	21.51	21.53	21.83				
5	QPSK	12	7	21.54	21.52	21.45			23	1
5	QPSK	12	13	21.55	21.41	21.55				
5	QPSK	25	0	21.51	21.60	21.46				
5	16QAM	1	0	21.41	21.56	21.43				
5	16QAM	1	12	21.49	21.38	21.57			23	1
5	16QAM	1	24	21.58	21.57	21.44				
5	16QAM	12	0	20.51	20.80	20.45				
5	16QAM	12	7	20.64	20.52	20.50			22	2
5	16QAM	12	13	20.47	20.45	20.50				
5	16QAM	25	0	20.47	20.51	20.51				
5	16QAM	25	12	20.53	20.54	20.51				
5	16QAM	25	25	20.46	20.47	20.46			22	2
5	16QAM	50	0	20.52	20.51	20.47				
5	16QAM	12	0	19.53	19.48	19.56				
5	16QAM	12	7	19.64	19.53	19.42			21	3
5	16QAM	12	13	19.53	19.54	19.62				
5	16QAM	25	0	19.55	19.48	19.44				
5	256QAM	1	0	17.53	17.66	17.40				
5	256QAM	1	12	17.53	17.63	17.59			19	5
5	256QAM	1	24	17.47	17.49	17.43				
5	256QAM	12	0	17.50	17.48	17.54				
5	256QAM	12	7	17.85	17.55	17.49				
5	256QAM	12	13	17.40	17.66	17.45			19	5
5	256QAM	25	0	17.47	17.44	17.52				

Band 26 Ant 0 DSI2										
BW (MHz)	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)										
15	QPSK	1	0		821.5	831.5	841.5			
15	QPSK	1	37		22.48	22.49	22.44			
15	QPSK	1	74		22.31	22.45	22.32		24	0
15	QPSK	1	111		22.46	22.41	22.44			
15	QPSK	38	0		21.85	21.87	21.83			
15	QPSK	38	20		21.51	21.55	21.47			
15	QPSK	38	39		21.51	21.55	21.52		23	1
15	QPSK	75	0		21.54	21.56	21.54			
15	16QAM	1	0		21.46	21.48	21.38			
15	16QAM	1	37		21.49	21.39	21.47		23	1
15	16QAM	1	74		21.50	21.56	21.48			
15	16QAM	38	0		20.59	20.51	20.50			
15	16QAM	38	20		20.65	20.53	20.38			
15	16QAM	38	39		20.51	20.48	20.58		22	2
15	16QAM	75	0		20.43	20.54	20.52			



Band 38 Ant 0 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)		
Channel										
				3760	3800	3816				
Frequency (MHz)				2590	2596	2610				
20	QPSK	1	0	22.41	22.47	22.53	22.46	22.45		
20	QPSK	1	49	22.39	22.45	22.51	22.44	22.43	24	0
20	QPSK	1	99	22.50	22.42	22.26	22.47	22.40		
20	QPSK	50	0	21.53	21.67	21.61				
20	QPSK	50	24	21.48	21.49	21.44				
20	QPSK	50	20	21.45	21.45	21.43			23	1
20	QPSK	100	0	21.50	21.61	21.45				
20	16QAM	1	0	21.45	21.50	21.47				
20	16QAM	1	49	21.45	21.46	21.53			23	1
20	16QAM	1	99	21.52	21.54	21.45				
20	16QAM	50	0	20.53	20.60	20.52				
20	16QAM	50	24	20.61	20.63	20.41			22	2
20	16QAM	50	20	20.38	20.44	20.59				
20	16QAM	100	0	20.56	20.60	20.47				
20	16QAM	100	0	20.50	20.51	20.52			22	2
20	16QAM	1	99	20.53	20.43	20.53				
20	16QAM	50	0	19.47	19.46	19.48				
20	16QAM	50	24	19.58	19.63	19.48			21	3
20	16QAM	50	20	19.46	19.53	19.48				
20	16QAM	100	0	19.50	19.49	19.41				
20	256QAM	1	0	17.51	17.66	17.41				
20	256QAM	1	49	17.56	17.54	17.55			19	5
20	256QAM	1	99	17.52	17.58	17.48				
20	256QAM	50	0	17.48	17.49	17.54				
20	256QAM	50	24	17.60	17.63	17.40			19	5
20	256QAM	50	20	17.49	17.65	17.46				
20	256QAM	100	0	17.47	17.51	17.48				
20	256QAM	100	0	17.52	17.52	17.52				
Channel				2577.5	2596	2612.5				
Frequency (MHz)				22.43	22.40	22.40				
15	QPSK	1	0	22.43	22.44	22.34			24	0
15	QPSK	1	37	22.22	22.44	22.34				
15	QPSK	1	75	21.42	21.46	21.46				
15	QPSK	36	0	21.39	21.41	21.54				
15	QPSK	36	20	21.49	21.43	21.43			23	1
15	QPSK	36	39	21.33	21.35	21.33				
15	QPSK	75	0	21.42	21.46	21.46				
15	16QAM	1	0	21.35	21.50	21.29				
15	16QAM	1	37	21.35	21.30	21.43			23	1
15	16QAM	1	74	21.38	21.34	21.40				
15	16QAM	36	0	20.52	20.45	20.37				
15	16QAM	36	20	20.46	20.39	20.46			22	2
15	16QAM	36	39	20.38	20.38	20.47				
15	16QAM	75	0	20.47	20.38	20.48				
15	16QAM	1	0	20.47	20.48	20.45			22	2
15	16QAM	1	74	20.48	20.38	20.35				
15	16QAM	36	0	19.41	19.40	19.54				
15	16QAM	36	20	19.47	19.47	19.28			21	3
15	16QAM	36	39	19.44	19.45	19.43				
15	16QAM	75	0	17.44	17.53	17.39				
15	256QAM	1	0	17.44	17.56	17.29				
15	256QAM	1	37	17.45	17.54	17.43			19	5
15	256QAM	1	74	17.38	17.39	17.45				
15	256QAM	36	0	17.40	17.34	17.42				
15	256QAM	36	20	17.45	17.53	17.39			19	5
15	256QAM	36	39	17.38	17.36	17.34				
15	256QAM	75	0	17.38	17.28	17.38				
Channel				3760	3800	3820				
Frequency (MHz)				22.31	22.41	22.41				
10	QPSK	1	0	22.34	22.44	22.36				
10	QPSK	1	25	22.31	22.45	22.32			24	0
10	QPSK	1	49	22.42	22.32	22.32				
10	QPSK	25	0	21.43	21.54	21.50				
10	QPSK	25	24	21.43	21.38	21.38			23	1
10	QPSK	25	25	21.32	21.29	21.32				
10	QPSK	50	0	21.42	21.49	21.37				
10	16QAM	1	0	21.31	21.52	21.42				
10	16QAM	1	49	21.41	21.38	21.42			23	1
10	16QAM	1	99	21.48	21.44	21.34				
10	16QAM	25	0	20.53	20.42	20.42				
10	16QAM	25	12	20.41	20.43	20.31			22	2
10	16QAM	25	25	20.38	20.44	20.50				
10	16QAM	50	0	20.41	20.46	20.45				
10	16QAM	1	0	20.41	20.47	20.56			22	2
10	16QAM	1	25	20.48	20.44	20.43				
10	16QAM	1	49	20.47	20.53	20.41			22	2
10	16QAM	1	99	20.38	20.43	20.43				
10	16QAM	25	0	19.47	19.33	19.36			21	3
10	16QAM	25	12	19.42	19.52	19.28				
10	16QAM	25	25	19.47	19.39	19.47				
10	16QAM	50	0	19.48	19.33	19.31				
10	256QAM	1	0	17.48	17.45	17.40			19	5
10	256QAM	1	25	17.45	17.50	17.55				
10	256QAM	1	49	17.39	17.39	17.47				
10	256QAM	25	0	17.50	17.37	17.46				
10	256QAM	25	12	17.51	17.54	17.36			19	5
10	256QAM	25	25	17.37	17.50	17.38				
10	256QAM	50	0	17.37	17.31	17.43				
Channel				3777.5	3800	3822.5				
Frequency (MHz)				2577.5	2596	2617.5				
5	QPSK	1	0	22.48	22.36	22.45			24	0
5	QPSK	1	12	22.21	22.31	22.23				
5	QPSK	1	24	22.26	22.26	22.30				
5	QPSK	12	0	21.37	21.49	21.41				
5	QPSK	12	7	21.45	21.52	21.34			23	1
5	QPSK	12	13	21.34	21.38	21.45				
5	QPSK	25	0	21.52	21.37	21.44				
5	16QAM	1	0	21.41	21.49	21.38				
5	16QAM	1	12	21.32	21.35	21.48			23	1
5	16QAM	1	24	21.42	21.36	21.35				
5	16QAM	12	0	20.54	20.60	20.30				
5	16QAM	12	7	20.41	20.48	20.39			22	2
5	16QAM	12	13	20.41	20.46	20.53				
5	16QAM	25	0	20.42	20.39	20.48				
5	16QAM	1	0	20.37	20.38	20.41			22	2
5	16QAM	1	12	20.33	20.43	20.45				
5	16QAM	1	24	20.49	20.32	20.39				
5	16QAM	12	0	19.41	19.37	19.49			21	3
5	16QAM	12	7	19.49	19.43	19.25				
5	16QAM	12	13	19.40	19.42	19.37				
5	256QAM	1	0	17.43	17.44	17.34				
5	256QAM	1	12	17.45	17.47	17.54			19	5
5	256QAM	1	24	17.45	17.40	17.34				
5	256QAM	12	0	17.37	17.38	17.50				
5	256QAM	12	7	17.45	17.40	17.38			19	5
5	256QAM	12	13	17.42	17.44	17.39				
5	256QAM	25	0	17.44	17.31	17.41				

Band 41 Ant 0 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Time-up limit (dBm)	MPR (dB)
Channel										
				39760	40186	40620	41055	41490		
Frequency (MHz)				2596	2595	2593	2636	2680		
20	QPSK	1	0	22.41	22.47	22.53	22.46	22.45		
20	QPSK	1	49	22.39	22.45	22.51	22.44	22.43	24	0
20	QPSK	1	99	22.41	22.45	22.38	22.47	22.40		
20	QPSK	50	0	21.48	21.57	21.59	21.54	21.55		
20	QPSK	50	24	21.51	21.47	21.52	21.40	21.49		
20	QPSK	50	20	21.43						



GSM850 Ant 1 DS2													
GSM850 Ant 1 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)					
	126	189	251		126	189	251						
Frequency (MHz)	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2					
GSM 1 Tx slot	31.28	32.00	32.25	33.20	22.28	23.00	23.25	24.20					
GPRS 1 Tx slot	31.37	32.00	32.34	33.20	22.37	23.00	23.34	24.20					
GPRS 2 Tx slots	28.32	28.96	29.32	30.20	22.32	22.96	23.32	24.20					
GPRS 3 Tx slots	28.25	27.95	27.48	28.25	22.29	22.82	23.22	24.21					
GPRS 4 Tx slots	25.03	25.98	26.38	27.00	22.03	22.98	23.38	24.00					
EDGE 1 Tx slot	25.81	26.82	26.54	27.00	18.81	17.52	17.54	18.00					
EDGE 2 Tx slots	23.47	23.27	23.25	23.00	18.47	19.27	19.32	20.00					
EDGE 3 Tx slots	22.91	23.84	23.76	24.50	18.65	19.58	19.50	20.24					
EDGE 4 Tx slots	21.23	22.16	22.18	23.00	18.23	19.16	19.18	20.00					
GSM1900 Ant 1 DS2													
GSM1900 Ant 1 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)					
	512	661	810		512	661	810						
Frequency (MHz)	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2					
GSM 1 Tx slot	27.21	28.24	28.28	29.00	18.21	19.24	19.28	20.00					
GPRS 1 Tx slot	27.33	28.24	28.35	29.00	18.33	19.24	19.35	20.00					
GPRS 2 Tx slots	24.54	25.85	25.75	26.50	18.54	19.85	19.75	20.50					
GPRS 3 Tx slots	23.14	24.26	24.16	25.00	18.88	20.00	19.80	20.74					
GPRS 4 Tx slots	21.53	22.45	22.77	23.50	18.53	19.45	19.77	20.50					
EDGE 1 Tx slot	22.55	23.78	23.77	24.50	13.55	14.78	14.77	15.50					
EDGE 2 Tx slots	21.68	22.65	22.78	23.50	15.68	16.65	16.78	17.50					
EDGE 3 Tx slots	20.05	21.05	21.15	22.00	15.79	16.79	16.88	17.74					
EDGE 4 Tx slots	18.49	19.53	19.55	20.00	15.49	16.53	16.55	17.00					
WCDMA II Ant 1 DS2			WCDMA IV Ant 1 DS2			WCDMA V Ant 1 DS2							
Band TX Channel	WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			WCDMA V Ant 1					
	9262	9400	9538		1312	1413	1513	4132	4182	4233			
Frequency (MHz)	9602	9800	9938	1537	1638	1738	4357	4407	4458				
3GPP Ref #9	AMR 12.2Kbps	16.53	16.65	16.61	18.00	17.37	17.42	17.37	18.50	22.51	22.60	22.62	24.00
3GPP Ref #9	RMC 12.2Kbps	16.66	16.74	16.68	18.00	17.38	17.47	17.45	18.50	22.64	22.71	22.65	24.00
3GPP Ref #6	HSDPA Subtest-1	15.68	15.76	15.68	17.00	16.40	16.48	16.54	17.50	21.57	21.65	21.63	23.00
3GPP Ref #6	HSDPA Subtest-2	15.66	15.63	15.67	17.00	16.34	16.32	16.47	17.50	21.62	21.60	21.67	23.00
3GPP Ref #6	HSDPA Subtest-3	15.13	15.24	15.31	16.50	15.80	15.97	15.99	17.00	21.09	21.15	21.04	22.50
3GPP Ref #6	HSDPA Subtest-4	15.14	15.34	15.26	16.50	15.85	15.86	15.97	17.00	21.00	21.19	21.09	22.50
3GPP Ref #8	DC-HSDPA Subtest-1	15.61	15.74	15.69	17.00	16.38	16.37	16.44	17.50	21.59	21.69	21.66	23.00
3GPP Ref #8	DC-HSDPA Subtest-2	15.78	15.82	15.82	17.00	16.52	16.61	16.33	17.50	21.66	21.73	21.51	23.00
3GPP Ref #8	DC-HSDPA Subtest-3	15.15	15.13	15.11	16.50	15.95	15.87	15.83	17.00	20.97	21.15	21.15	22.50
3GPP Ref #8	DC-HSDPA Subtest-4	15.16	15.20	15.11	16.50	15.79	15.93	15.80	17.00	21.12	21.16	21.06	22.50
3GPP Ref #6	HSUPA Subtest-1	15.77	15.76	15.73	17.00	16.43	16.43	16.50	17.50	21.53	21.53	21.44	23.00
3GPP Ref #6	HSUPA Subtest-2	13.66	13.74	13.74	15.00	14.30	14.53	14.53	15.50	19.67	19.66	19.68	21.00
3GPP Ref #6	HSUPA Subtest-3	14.57	14.72	14.79	16.00	15.30	15.37	15.47	16.50	20.58	20.62	20.77	22.00
3GPP Ref #6	HSUPA Subtest-4	13.69	13.78	13.72	15.00	14.38	14.42	14.35	15.50	19.65	19.65	19.68	21.00
3GPP Ref #6	HSUPA Subtest-5	15.55	15.77	15.77	17.00	16.25	16.35	16.40	17.50	21.50	21.69	21.66	23.00



Band 13 Ant 1 DS12 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.48	22.48	22.48			24	0
10	QPSK	25	0	22.48	22.48	22.48				
10	QPSK	1	49	22.32	22.32	22.32				
10	QPSK	25	0	21.84	21.84	21.84			23	1
10	QPSK	12	12	21.48	21.48	21.48				
10	QPSK	25	25	21.32	21.32	21.32				
10	QPSK	50	0	21.51	21.51	21.51				
10	QPSK	1	0	21.47	21.47	21.47				
10	HQAM	1	25	21.45	21.45	21.45			23	1
10	HQAM	1	49	21.39	21.39	21.39				
10	HQAM	1	49	20.96	20.96	20.96				
10	HQAM	25	12	20.81	20.81	20.81			22	2
10	HQAM	25	25	20.48	20.48	20.48				
10	HQAM	50	0	20.30	20.30	20.30				
10	HQAM	1	0	20.30	20.30	20.30				
10	HQAM	1	25	20.48	20.48	20.48				
10	HQAM	1	49	20.41	20.41	20.41				
10	HQAM	25	0	19.47	19.47	19.47				
10	HQAM	25	12	19.38	19.38	19.38			21	3
10	HQAM	25	25	19.38	19.38	19.38				
10	HQAM	50	0	19.45	19.45	19.45				
10	HQAM	1	0	17.54	17.54	17.54				
10	SSBAM	1	25	17.48	17.48	17.48			19	5
10	SSBAM	1	49	17.42	17.42	17.42				
10	SSBAM	25	12	17.43	17.43	17.43				
10	SSBAM	25	25	17.43	17.43	17.43			19	5
10	SSBAM	50	0	17.47	17.47	17.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.42	22.20			24	0
5	QPSK	1	12	22.59	22.44	22.36				
5	QPSK	1	24	22.42	22.21	22.31				
5	QPSK	12	0	21.33	21.84	21.42			23	1
5	QPSK	12	7	21.39	21.44	21.30				
5	QPSK	12	13	21.40	21.39	21.28				
5	QPSK	25	0	21.51	21.49	21.50				
5	QPSK	1	0	21.52	21.47	21.10				
5	HQAM	1	12	21.31	21.37	21.43			23	1
5	HQAM	1	24	21.33	21.34	21.42				
5	HQAM	12	0	20.44	20.30	20.23				
5	HQAM	12	7	20.28	20.40	20.28			22	2
5	HQAM	12	13	20.32	20.43	20.28				
5	HQAM	25	0	20.35	20.32	20.39				
5	HQAM	1	0	20.30	20.33	20.25			22	2
5	HQAM	1	12	20.29	20.43	20.20				
5	HQAM	1	24	20.29	20.42	20.24				
5	HQAM	12	0	19.43	19.38	19.43				
5	HQAM	12	7	19.49	19.38	19.23			21	3
5	HQAM	12	13	19.38	19.30	19.20				
5	HQAM	25	0	19.48	19.33	19.23				
5	SSBAM	1	0	17.44	17.56	17.28				
5	SSBAM	1	12	17.43	17.53	17.54			19	5
5	SSBAM	1	24	17.29	17.28	17.38				
5	SSBAM	12	0	17.23	17.36	17.54				
5	SSBAM	12	7	17.29	17.34	17.33				
5	SSBAM	12	13	17.31	17.37	17.38			19	5
5	SSBAM	25	0	17.46	17.28	17.43				

Band 17 Ant 1 DS12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.47	22.49	22.43			23.4	0
10	QPSK	1	25	22.33	22.45	22.41				
10	QPSK	1	49	22.38	22.28	22.47				
10	QPSK	25	0	21.47	21.54	21.53			23	0.4
10	QPSK	25	25	21.48	21.51	21.30				
10	QPSK	50	0	21.52	21.53	21.52				
10	QPSK	1	0	21.38	21.42	21.38				
10	HQAM	1	25	21.35	21.52	21.41			23	0.4
10	HQAM	1	49	21.47	21.48	21.44				
10	HQAM	1	49	20.91	20.99	20.95				
10	HQAM	25	12	20.85	20.88	20.29			22	1.4
10	HQAM	25	25	20.26	20.49	20.49				
10	HQAM	50	0	20.45	20.22	20.45				
10	HQAM	1	0	20.45	20.43	20.47				
10	HQAM	1	25	20.47	20.49	20.40			22	1.4
10	HQAM	1	49	20.39	20.53	20.37				
10	HQAM	25	0	19.40	19.50	19.47				
10	HQAM	25	12	19.53	19.41	19.59			21	2.4
10	HQAM	25	25	19.51	19.45	19.54				
10	HQAM	50	0	19.58	19.35	19.38				
10	SSBAM	1	0	17.56	17.67	17.61				
10	SSBAM	1	25	17.58	17.48	17.57			19	4.4
10	SSBAM	1	49	17.46	17.43	17.49				
10	SSBAM	25	0	17.37	17.38	17.39				
10	SSBAM	25	12	17.49	17.43	17.55				
10	SSBAM	25	25	17.39	17.48	17.38			19	4.4
10	SSBAM	50	0	17.49	17.45	17.39				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.42	22.36	22.40			23.4	0
5	QPSK	1	12	22.22	22.41	22.34				
5	QPSK	1	24	22.42	22.21	22.42				
5	QPSK	12	0	21.44	21.54	21.42			23	0.4
5	QPSK	12	7	21.42	21.46	21.30				
5	QPSK	12	13	21.35	21.30	21.42				
5	QPSK	25	0	21.41	21.41	21.53				
5	QPSK	1	0	21.20	21.37	21.13				
5	HQAM	1	12	21.38	21.39	21.43			23	0.4
5	HQAM	1	24	21.50	21.49	21.49				
5	HQAM	12	0	20.52	20.37	20.28				
5	HQAM	12	7	20.34	20.44	20.30			22	1.4
5	HQAM	12	13	20.38	20.49	20.35				
5	HQAM	25	0	20.40	20.42	20.43				
5	HQAM	1	0	20.50	20.28	20.33			22	1.4
5	HQAM	1	12	20.36	20.49	20.35				
5	HQAM	1	24	20.35	20.47	20.37				
5	HQAM	12	0	19.41	19.48	19.35				
5	HQAM	12	7	19.57	19.44	19.33			21	2.4
5	HQAM	12	13	19.45	19.29	19.49				
5	HQAM	25	0	19.51	19.39	19.51				
5	SSBAM	1	0	17.61	17.59	17.34				
5	SSBAM	1	12	17.43	17.53	17.52			19	4.4
5	SSBAM	1	24	17.33	17.39	17.49				
5	SSBAM	12	0	17.36	17.36	17.44				
5	SSBAM	12	7	17.56	17.34	17.47				
5	SSBAM	12	13	17.44	17.38	17.47			19	4.4
5	SSBAM	25	0	17.42	17.38	17.37				

Band 25 Ant 1 DS12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.65	16.68	16.61			17.4	0
20	QPSK	1	49	16.62	16.47	16.42				
20	QPSK	1	99	16.62	16.47	16.42				
20	QPSK	50	0	16.59	16.65	16.61			17.4	0
20	QPSK	50	24	16.49	16.42	16.40				
20	QPSK	50	50	16.59	16.61	16.57				
20	QPSK	100	0	16.57	16.62	16.59				
20	QPSK	1	0	16.59	16.65	16.62				
20	HQAM	1	49	16.38	16.54	16.57			17.4	0
20	HQAM	1	99	16.47	16.67	16.35				
20	HQAM	50	0	16.59	16.65	16.62				
20	HQAM	50	24	16.52	16.48	16.38			17.4	0
20	HQAM	50	50	16.49	16.41	16.52				
20	SSBAM	1	0	16.62	16.60	16.59				
20	SSBAM	1	49	16.46	16.58	16.50			17.4	0



Band 66 Ant 1 DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-off (MHz)	MCS	SPS	
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.16	17.17	17.13				
20	QPSK	1	40	17.10	17.09	17.01	18.2	0		
20	QPSK	1	90	17.11	16.97	16.90				
20	QPSK	50	0	17.09	17.15	17.08				
20	QPSK	50	24	17.03	16.99	16.96	18.2	0		
20	QPSK	50	50	17.07	17.08	16.90				
20	QPSK	100	0	17.11	17.14	17.08				
20	HQAM	1	0	17.01	16.99	16.86	18.2	0		
20	HQAM	1	40	16.93	17.04	16.94				
20	HQAM	1	90	17.04	17.09	16.92				
20	HQAM	50	0	17.01	17.05	16.92				
20	HQAM	50	24	16.94	17.03	17.03	18.2	0		
20	HQAM	50	50	17.01	16.99	16.84				
20	HQAM	100	0	16.99	17.16	17.05				
20	HQAM	1	0	17.03	17.12	16.97				
20	HQAM	1	40	17.06	16.93	16.96	18.2	0		
20	HQAM	1	90	16.97	17.01	16.94				
20	HQAM	50	0	17.04	16.98	16.87				
20	HQAM	50	24	17.05	17.01	16.96	18.2	0		
20	HQAM	50	50	17.01	17.11	16.96				
20	HQAM	100	0	16.96	17.01	16.85				
20	SSBQAM	1	0	17.03	17.05	16.96				
20	SSBQAM	1	40	16.94	17.09	16.91	18.2	0		
20	SSBQAM	1	90	16.94	17.00	16.98				
20	SSBQAM	50	0	16.97	16.92	16.93				
20	SSBQAM	50	24	16.94	16.99	16.91	18.2	0		
20	SSBQAM	50	50	17.03	17.07	16.95				
20	SSBQAM	100	0	16.89	17.04	16.96				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.97	17.02	16.97				
15	QPSK	1	37	16.95	16.97	16.96	18.2	0		
15	QPSK	1	74	16.90	16.92	16.88				
15	QPSK	36	0	16.86	17.02	16.91				
15	QPSK	36	20	16.90	16.94	16.84	18.2	0		
15	QPSK	36	36	16.89	16.85	16.81				
15	HQAM	1	0	16.94	16.94	16.81	18.2	0		
15	HQAM	1	37	16.85	16.93	16.81				
15	HQAM	1	74	16.93	16.99	16.86				
15	HQAM	36	0	16.94	17.03	16.78	18.2	0		
15	HQAM	36	20	16.91	16.90	16.81				
15	HQAM	36	36	16.87	16.79	16.82				
15	HQAM	75	0	16.83	16.97	16.93				
15	HQAM	1	0	16.97	17.03	16.78	18.2	0		
15	HQAM	1	37	16.95	16.97	16.91				
15	HQAM	1	74	16.90	16.89	16.79				
15	HQAM	36	0	16.90	16.96	16.78	18.2	0		
15	HQAM	36	20	16.91	16.86	16.88				
15	HQAM	36	36	17.00	16.94	16.74				
15	HQAM	75	0	16.81	16.92	16.74				
15	SSBQAM	1	0	16.98	16.97	16.84	18.2	0		
15	SSBQAM	1	37	16.83	16.95	16.79				
15	SSBQAM	1	74	16.83	16.99	16.93				
15	SSBQAM	36	0	16.84	16.93	16.73	18.2	0		
15	SSBQAM	36	20	16.93	16.93	16.71				
15	SSBQAM	36	36	16.83	16.95	16.79				
15	SSBQAM	75	0	16.87	16.98	16.92	18.2	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.06	17.07	16.97				
10	QPSK	1	25	16.94	16.99	16.87	18.2	0		
10	QPSK	1	40	16.98	16.89	16.80				
10	QPSK	25	0	16.96	16.94	16.86				
10	QPSK	25	12	16.84	17.01	16.84	18.2	0		
10	QPSK	25	25	16.95	16.84	16.82				
10	HQAM	1	0	16.96	17.01	16.86	18.2	0		
10	HQAM	1	0	16.97	16.98	16.81				
10	HQAM	1	25	16.88	17.05	16.89				
10	HQAM	1	40	16.96	17.06	16.81	18.2	0		
10	HQAM	25	0	16.88	16.99	16.81				
10	HQAM	25	12	16.78	16.81	16.83	18.2	0		
10	HQAM	25	25	16.97	16.83	16.93				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78	18.2	0		
10	HQAM	25	12	16.87	16.94	16.78				
10	HQAM	25	25	16.87	16.84	16.78				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78	18.2	0		
10	HQAM	25	12	16.87	16.94	16.78				
10	HQAM	25	25	16.87	16.84	16.78				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78	18.2	0		
10	HQAM	25	12	16.87	16.94	16.78				
10	HQAM	25	25	16.87	16.84	16.78				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78	18.2	0		
10	HQAM	25	12	16.87	16.94	16.78				
10	HQAM	25	25	16.87	16.84	16.78				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78	18.2	0		
10	HQAM	25	12	16.87	16.94	16.78				
10	HQAM	25	25	16.87	16.84	16.78				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78	18.2	0		
10	HQAM	25	12	16.87	16.94	16.78				
10	HQAM	25	25	16.87	16.84	16.78				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78	18.2	0		
10	HQAM	25	12	16.87	16.94	16.78				
10	HQAM	25	25	16.87	16.84	16.78				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78	18.2	0		
10	HQAM	25	12	16.87	16.94	16.78				
10	HQAM	25	25	16.87	16.84	16.78				
10	HQAM	50	0	16.83	17.08	16.82				
10	HQAM	1	0	17.00	17.08	16.77	18.2	0		
10	HQAM	1	25	16.94	16.85	16.78				
10	HQAM	1	40	16.83	16.91	16.84				
10	HQAM	25	0	16.84	16.88	16.78				



Band 38 Ant 1 DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37950	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	18.79	18.86	18.81				
20	QPSK	1	49	18.71	18.78	18.78				
20	QPSK	1	99	18.84	18.77	18.76				
20	IQAM	50	0	18.81	18.82	18.78				
20	IQAM	50	24	18.80	18.82	18.81				
20	IQAM	50	50	18.79	18.81	18.72				
20	IQAM	100	0	18.76	18.78	18.76				
20	IQAM	100	24	18.74	18.75	18.77				
20	IQAM	100	49	18.76	18.77	18.84				
20	IQAM	1	0	18.74	18.75	18.77				
20	IQAM	1	49	18.76	18.78	18.76				
20	IQAM	1	99	18.78	18.76	18.76				
20	IQAM	50	0	18.81	18.84	18.84				
20	IQAM	50	24	18.73	18.74	18.73				
20	IQAM	50	50	18.82	18.73	18.75				
20	IQAM	100	0	18.75	18.83	18.75				
20	IQAM	100	24	18.73	18.76	18.75				
20	IQAM	100	49	18.72	18.77	18.72				
20	IQAM	1	0	18.81	18.76	18.85				
20	IQAM	1	49	18.82	18.76	18.85				
20	IQAM	1	99	18.81	18.76	18.85				
20	IQAM	50	0	18.82	18.73	18.85				
20	IQAM	50	24	18.76	18.82	18.78				
20	IQAM	50	50	18.76	18.82	18.78				
20	IQAM	100	0	18.80	18.72	18.87				
20	IQAM	100	24	18.83	18.01	17.79				
20	IQAM	100	49	17.87	17.87	17.87				
20	IQAM	1	0	17.76	17.77	17.86				
20	IQAM	1	49	17.77	17.79	17.84				
20	IQAM	1	99	17.77	17.92	17.87				
20	IQAM	50	0	17.82	17.84	17.83				
20	IQAM	50	24	17.82	17.85	18.03				
20	IQAM	50	50	17.87	17.85	17.83				
20	IQAM	100	0	17.82	17.85	18.03				
20	IQAM	100	24	17.82	17.85	18.03				
20	IQAM	100	49	17.82	17.85	18.03				
Channel										
				37925	38000	38175		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
15	QPSK	1	0	18.71	18.86	18.70				
15	QPSK	1	49	18.72	18.77	18.70				
15	QPSK	1	99	18.74	18.73	18.71				
15	QPSK	36	0	18.70	18.82	18.70				
15	QPSK	36	20	18.74	18.70	18.72				
15	QPSK	36	40	18.80	18.80	18.80				
15	QPSK	75	0	18.78	18.82	18.64				
15	IQAM	1	0	18.72	18.78	18.58				
15	IQAM	1	37	18.64	18.79	18.69				
15	IQAM	1	74	18.75	18.72	18.68				
15	IQAM	36	0	18.69	18.80	18.64				
15	IQAM	36	20	18.63	18.68	18.64				
15	IQAM	36	39	18.67	18.75	18.60				
15	IQAM	75	0	18.64	18.81	18.72				
15	IQAM	75	20	18.64	18.80	18.69				
15	IQAM	1	37	18.75	18.80	18.67				
15	IQAM	1	74	18.67	18.77	18.73				
15	IQAM	36	0	18.78	18.79	18.67				
15	IQAM	36	20	18.68	18.70	18.61				
15	IQAM	36	39	18.68	18.78	18.67				
15	IQAM	75	0	18.69	18.82	18.73				
15	IQAM	75	20	17.96	17.94	17.94				
15	IQAM	1	37	17.83	17.91	18.00				
15	IQAM	1	74	17.88	17.88	17.87				
15	IQAM	36	0	17.80	17.75	17.93				
15	IQAM	36	20	17.83	17.76	17.93				
15	IQAM	36	39	17.78	17.83	17.76				
15	IQAM	75	0	17.81	17.75	17.94				
Channel										
				2575	2595	2615		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
10	QPSK	1	0	18.69	18.67	18.60				
10	QPSK	1	25	18.75	18.79	18.60				
10	QPSK	1	49	18.86	18.81	18.74				
10	QPSK	25	0	18.64	18.72	18.67				
10	QPSK	25	12	18.76	18.78	18.70				
10	QPSK	25	25	18.75	18.70	18.65				
10	QPSK	50	0	18.71	18.76	18.68				
10	IQAM	1	0	18.66	18.81	18.69				
10	IQAM	1	25	18.65	18.68	18.65				
10	IQAM	1	49	18.68	18.73	18.62				
10	IQAM	25	0	18.76	18.74	18.60				
10	IQAM	25	12	18.75	18.74	18.69				
10	IQAM	25	25	18.73	18.80	18.59				
10	IQAM	50	0	18.68	18.78	18.64				
10	IQAM	50	12	18.64	18.80	18.65				
10	IQAM	50	25	18.73	18.80	18.59				
10	IQAM	100	0	18.68	18.78	18.64				
10	IQAM	100	12	18.67	18.84	18.61				
10	IQAM	100	25	18.67	18.71	18.57				
10	IQAM	100	49	17.85	17.86	17.84				
10	IQAM	1	0	18.54	18.61	18.50				
10	IQAM	1	25	18.64	18.71	18.61				
10	IQAM	1	49	18.67	18.68	18.53				
10	IQAM	25	0	18.63	18.71	18.52				
10	IQAM	25	12	18.66	18.69	18.53				
10	IQAM	25	25	18.67	18.71	18.57				
10	IQAM	50	0	18.54	18.61	18.50				
10	IQAM	50	12	18.64	18.68	18.53				
10	IQAM	50	25	18.67	18.71	18.57				
10	IQAM	100	0	17.73	17.78	17.75				
10	IQAM	100	12	17.84	17.88	17.77				
10	IQAM	100	25	17.48	17.62	17.60				
10	IQAM	100	49	17.49	17.64	17.64				
10	IQAM	1	0	18.52	18.59	18.56				
10	IQAM	1	25	18.62	18.62	18.50				
10	IQAM	1	49	18.66	18.68	18.48				
10	IQAM	25	0	18.62	18.73	18.53				
10	IQAM	25	12	18.65	18.61	18.53				
10	IQAM	25	25	18.62	18.62	18.48				
10	IQAM	50	0	18.54	18.61	18.50				
10	IQAM	50	12	18.63	18.68	18.52				
10	IQAM	50	25	18.60	18.66	18.53				
10	IQAM	100	0	18.62	18.62	18.48				
10	IQAM	100	12	18.56	18.64	18.56				
10	IQAM	100	25	18.56	18.68	18.56				
10	IQAM	100	49	17.58	17.59	17.67				
10	IQAM	12	0	17.56	17.68	17.60				
10	IQAM	12	7	17.67	17.67	17.59				
10	IQAM	12	13	17.64	17.69	17.52				
10	IQAM	25	0	17.58	17.58	17.79				
Channel										
				39075	40185	40620	41055	41450		
Frequency (MHz)										
5	QPSK	1	0	18.68	18.72	18.57	18.55	18.63		
5	QPSK	1	12	18.69	18.68	18.60	18.50	18.63		
5	QPSK	1	24	18.67	18.60	18.49	18.55	18.52		
5	QPSK	12	0	18.57	18.71	18.54	18.62	18.59		
5	QPSK	12	7	18.62	18.59	18.55	18.56	18.58		
5	QPSK	12	13	18.66	18.68	18.48	18.59	18.49		
5	QPSK	25	0	18.68	18.71	18.62	18.50	18.58		
5	IQAM	1	0	18.67	18.62	18.59	18.50	18.80		
5	IQAM	1	12	18.62	18.73	18.53	18.60	18.50		
5	IQAM	1	24	18.53	18.72	18.59	18.55	18.48		
5	IQAM	12	0	18.56	18.71	18.58	18.53	18.62		
5	IQAM	12	7	18.66	18.69	18.49	18.59	18.55		



GSM1900 Ant 2 DSIS2

GSM1900 Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1860	1867.8		1852.2	1860	1867.8	
GSM 1 Tx slot	28.60	29.98	29.60	30.50	19.60	20.98	20.60	21.50
GPRS 1 Tx slot	28.65	30.03	29.65	30.50	19.65	21.03	20.65	21.50
GPRS 2 Tx slot	28.50	27.87	27.71	28.50	20.50	21.87	21.71	22.50
GPRS 3 Tx slot	28.01	28.18	28.12	27.00	20.75	21.83	21.86	22.74
GPRS 4 Tx slot	23.51	24.55	24.28	25.50	20.51	21.55	21.28	22.50
EDGE 1 Tx slot	24.74	25.69	26.07	26.50	15.74	16.69	17.07	17.50
EDGE 2 Tx slot	23.58	24.55	24.93	25.50	17.58	18.55	18.93	19.50
EDGE 3 Tx slot	22.00	23.18	23.34	24.00	17.74	18.90	19.08	19.74
EDGE 4 Tx slot	20.52	21.58	21.77	22.50	17.52	18.58	18.77	19.50

WCDMA II Ant 2 DSIS2

WCDMA IV Ant 2 DSIS2

Band	WCDMA II Ant 2			Tune-up Limit (dBm)	WCDMA IV Ant 2			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513	
TX Channel	9282	9400	9538		1312	1413	1513	
RX Channel	9628	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1723.8	1723.8	
3GPP Rel 99	AMR 12.2Kbps	22.34	22.43	22.42	24.00	22.45	22.35	22.47
3GPP Rel 99	RMC 12.2Kbps	22.34	22.45	22.43	24.00	22.43	22.51	22.45
3GPP Rel 6	HSDPA Subtest-1	21.20	21.28	21.44	23.00	21.41	21.47	23.00
3GPP Rel 6	HSDPA Subtest-2	21.41	21.41	21.53	23.00	21.44	21.42	21.43
3GPP Rel 6	HSDPA Subtest-3	20.82	21.01	20.88	22.50	20.87	20.82	20.82
3GPP Rel 6	HSDPA Subtest-4	20.86	20.92	20.85	22.50	20.84	20.86	20.86
3GPP Rel 6	DC-HSDPA Subtest-1	21.32	21.54	21.48	23.00	21.37	21.42	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.41	21.48	21.20	23.00	21.52	21.51	21.36
3GPP Rel 6	DC-HSDPA Subtest-3	20.77	20.88	20.83	22.50	20.74	20.90	21.01
3GPP Rel 6	DC-HSDPA Subtest-4	20.92	20.85	20.85	22.50	20.84	20.85	20.81
3GPP Rel 6	HSUPA Subtest-1	21.40	21.37	21.48	23.00	21.38	21.40	21.40
3GPP Rel 6	HSUPA Subtest-2	19.41	19.45	19.49	21.00	19.31	19.52	19.44
3GPP Rel 6	HSUPA Subtest-3	20.37	20.44	20.52	22.00	20.45	20.38	20.58
3GPP Rel 6	HSUPA Subtest-4	19.34	19.43	19.45	21.00	19.34	19.47	19.53
3GPP Rel 6	HSUPA Subtest-5	21.38	21.50	21.52	23.00	21.38	21.53	21.49



Band 2 Ant 2 DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Turnup (dBm)	APRS (dB)
Channel: 1860 1860 1860								
20	QPSK	1	0	22.48	22.49	22.44	24	0
20	QPSK	1	66	22.48	22.49	22.44	24	0
20	QPSK	1	99	22.36	22.40	22.45	23	1
20	QPSK	50	0	21.44	21.47	21.38	23	1
20	QPSK	50	24	21.36	21.41	21.45	23	1
20	QPSK	50	50	21.29	21.29	21.27	23	1
20	QPSK	100	0	21.41	21.45	21.37	23	1
20	QPSK	100	24	21.25	21.31	21.25	23	1
20	HQAM	1	66	21.35	21.38	21.29	22	2
20	HQAM	1	99	21.38	21.40	21.40	22	2
20	HQAM	50	0	20.55	20.52	20.44	22	2
20	HQAM	50	24	20.37	20.25	20.31	22	2
20	HQAM	50	50	20.31	20.29	20.24	22	2
20	HQAM	100	0	20.34	20.43	20.44	22	2
20	HQAM	100	24	20.27	20.25	20.27	22	2
20	HQAM	100	50	20.31	20.33	20.24	22	2
20	HQAM	100	75	20.39	20.39	20.38	22	2
20	HQAM	1	99	20.40	20.27	20.24	22	2
20	HQAM	1	99	20.36	20.27	20.24	22	2
20	HQAM	50	24	19.58	19.60	19.60	21	3
20	HQAM	50	50	19.48	19.56	19.45	21	3
20	HQAM	100	0	19.52	19.32	19.33	21	3
20	SSQAM	1	66	17.42	17.42	17.42	19	5
20	SSQAM	1	99	17.48	17.47	17.37	19	5
20	SSQAM	1	99	17.36	17.33	17.30	19	5
20	SSQAM	50	24	17.28	17.42	17.32	19	5
20	SSQAM	50	24	17.40	17.48	17.48	19	5
20	SSQAM	50	50	17.34	17.36	17.37	19	5
20	SSQAM	100	0	17.37	17.38	17.48	19	5
Channel: 18675 18690 18675								
15	QPSK	1	0	22.31	22.29	22.34	24	0
15	QPSK	1	66	22.28	22.36	22.36	24	0
15	QPSK	1	99	22.45	22.43	22.36	24	0
15	QPSK	36	0	21.31	21.34	21.36	23	1
15	QPSK	36	24	21.25	21.28	21.30	23	1
15	QPSK	36	36	21.29	21.27	21.28	23	1
15	QPSK	75	0	21.42	21.38	21.41	23	1
15	QPSK	75	24	21.16	21.22	21.19	23	1
15	HQAM	1	37	21.21	21.27	21.26	22	2
15	HQAM	1	74	21.41	21.27	21.26	22	2
15	HQAM	36	0	20.44	20.38	20.50	22	2
15	HQAM	36	24	20.34	20.28	20.28	22	2
15	HQAM	36	36	20.39	20.36	20.39	22	2
15	HQAM	75	0	20.28	20.35	20.31	22	2
15	HQAM	75	24	20.40	20.34	20.29	22	2
15	HQAM	75	36	20.36	20.36	20.34	22	2
15	HQAM	1	74	20.28	20.13	20.19	21	3
15	HQAM	36	0	19.28	19.27	19.41	21	3
15	HQAM	36	24	19.57	19.48	19.42	21	3
15	HQAM	36	36	19.41	19.47	19.42	21	3
15	HQAM	75	0	19.31	19.36	19.26	21	3
15	SSQAM	1	37	17.42	17.42	17.42	19	5
15	SSQAM	1	99	17.42	17.35	17.32	19	5
15	SSQAM	1	99	17.31	17.34	17.27	19	5
15	SSQAM	36	24	17.26	17.32	17.26	19	5
15	SSQAM	36	36	17.48	17.41	17.44	19	5
15	SSQAM	36	36	17.32	17.29	17.29	19	5
15	SSQAM	75	0	17.31	17.41	17.38	19	5
Channel: 18690 18690 18690								
10	QPSK	1	0	22.41	22.43	22.34	24	0
10	QPSK	1	66	22.32	22.35	22.31	24	0
10	QPSK	1	99	22.41	22.40	22.34	24	0
10	QPSK	36	0	21.39	21.36	21.31	23	1
10	QPSK	36	24	21.37	21.28	21.30	23	1
10	QPSK	36	36	21.27	21.27	21.27	23	1
10	QPSK	75	0	21.18	21.19	21.12	23	1
10	HQAM	1	25	21.33	21.29	21.28	23	1
10	HQAM	1	63	21.34	21.28	21.26	23	1
10	HQAM	25	0	20.50	20.41	20.44	22	2
10	HQAM	25	12	20.26	20.27	20.27	22	2
10	HQAM	25	36	20.31	20.33	20.30	22	2
10	HQAM	50	0	20.27	20.30	20.26	22	2
10	HQAM	1	63	20.34	20.29	20.28	22	2
10	HQAM	1	99	20.31	20.33	20.28	22	2
10	HQAM	1	99	20.21	20.24	20.28	22	2
10	HQAM	25	0	19.36	19.34	19.34	21	3
10	HQAM	25	12	19.48	19.52	19.44	21	3
10	HQAM	25	36	19.49	19.49	19.48	21	3
10	HQAM	50	0	19.26	19.38	19.34	21	3
10	SSQAM	1	66	17.39	17.43	17.48	19	5
10	SSQAM	1	99	17.38	17.48	17.48	19	5
10	SSQAM	1	99	17.32	17.34	17.27	19	5
10	SSQAM	36	24	17.27	17.32	17.27	19	5
10	SSQAM	36	36	17.48	17.41	17.44	19	5
10	SSQAM	36	36	17.32	17.29	17.29	19	5
10	SSQAM	75	0	17.41	17.42	17.37	19	5
Channel: 18675 18690 18675								
5	QPSK	1	0	22.42	22.43	22.33	24	0
5	QPSK	1	12	22.38	22.39	22.33	24	0
5	QPSK	1	24	22.39	22.36	22.40	24	0
5	QPSK	12	0	21.36	21.36	21.34	23	1
5	QPSK	12	12	21.30	21.30	21.31	23	1
5	QPSK	12	12	21.28	21.27	21.25	23	1
5	QPSK	25	0	21.34	21.41	21.33	23	1
5	HQAM	1	6	21.15	21.23	21.25	23	1
5	HQAM	1	12	21.32	21.29	21.21	23	1
5	HQAM	1	24	21.34	21.37	21.31	23	1
5	HQAM	12	0	20.40	20.39	20.38	22	2
5	HQAM	12	7	20.33	20.28	20.31	22	2
5	HQAM	12	13	20.28	20.32	20.30	22	2
5	HQAM	25	0	20.28	20.29	20.34	22	2
5	HQAM	1	24	20.29	20.40	20.41	22	2
5	HQAM	1	24	20.26	20.22	20.15	22	2
5	HQAM	1	24	20.26	20.33	20.24	22	2
5	HQAM	12	0	19.31	19.30	19.32	21	3
5	HQAM	12	7	19.46	19.52	19.42	21	3
5	HQAM	12	13	19.40	19.54	19.53	21	3
5	HQAM	25	0	19.42	19.38	19.43	21	3
5	SSQAM	1	66	17.51	17.51	17.44	19	5
5	SSQAM	1	12	17.38	17.40	17.47	19	5
5	SSQAM	1	24	17.36	17.29	17.39	19	5
5	SSQAM	12	0	17.32	17.32	17.23	19	5
5	SSQAM	12	7	17.41	17.41	17.52	19	5
5	SSQAM	12	13	17.46	17.42	17.39	19	5
5	SSQAM	25	0	17.40	17.38	17.43	19	5
Channel: 18690 18675 18690								
3	QPSK	1	0	22.42	22.35	22.33	24	0
3	QPSK	1	8	22.24	22.34	22.25	24	0
3	QPSK	1	14	22.38	22.32	22.43	24	0
3	QPSK	1	21	21.38	21.48	21.38	24	0
3	QPSK	4	0	21.35	21.38	21.28	23	1
3	QPSK	8	0	21.30	21.29	21.27	23	1
3	QPSK	15	0	21.36	21.41	21.37	23	1
3	HQAM	1	0	21.20	21.27	21.12	23	1
3	HQAM	1	8	21.29	21.28	21.38	23	1
3	HQAM	1	14	21.30	21.31	21.24	23	1
3	HQAM	4	0	20.49	20.48	20.48	22	2
3	HQAM	4	8	20.25	20.27	20.23	22	2
3	HQAM	8	0	20.26	20.32	20.23	22	2
3	HQAM	15	0	20.37	20.28	20.33	22	2
3	HQAM	1	0	20.34	20.25	20.30	22	2
3	HQAM	1	8	20.26	20.22	20.27	22	2
3	HQAM	1	14	20.22	20.21	20.26	22	2
3	HQAM	8	0	19.38	19.31	19.30	21	3
3	HQAM	8	8	19.47	19.48	19.50	21	3
3	HQAM	8	14	19.46	19.55	19.44	21	3
3	HQAM	15	0	19.29	19.24	19.26	21	3
3	SSQAM	1	0	17.40	17.38	17.37	19	5
3	SSQAM	1	8	17.41	17.32	17.45	19	5
3	SSQAM	1	14	17.32	17.39	17.39	19	5
3	SSQAM	8	0	17.33	17.31	17.28	19	5
3	SSQAM	8	8	17.48	17.50	17.42	19	5
3	SSQAM	8	14	17.36	17.38	17.36	19	



Band 25 Ant 2 DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-to-Setup (ms)	APR (dB)		
Channel										
20	QPSK	1	0	22.43	22.49	22.42		24	0	
20	QPSK	1	49	22.32	22.47	22.43				
20	QPSK	50	0	21.43	21.48	21.46		23	1	
20	QPSK	50	24	21.31	21.41	21.46				
20	QPSK	50	50	21.38	21.28	21.28				
20	QPSK	100	0	21.45	21.47	21.42		23	1	
20	16QAM	1	0	21.27	21.23	21.20				
20	16QAM	1	49	21.22	21.36	21.30				
20	16QAM	1	99	21.31	21.33	21.30				
20	16QAM	50	0	20.67	20.49	20.33		22	2	
20	16QAM	50	24	20.31	20.43	20.29				
20	16QAM	50	50	20.25	20.28	20.23				
20	16QAM	100	0	20.28	20.29	20.32				
20	16QAM	1	0	20.39	20.52	20.35				
20	16QAM	1	49	20.22	20.16	20.20		22	2	
20	16QAM	1	99	20.45	20.32	20.22				
20	16QAM	50	0	19.47	19.36	19.42				
20	16QAM	50	24	19.57	19.51	19.50		21	3	
20	16QAM	50	50	19.50	19.45	19.53				
20	16QAM	100	0	19.28	19.34	19.27				
20	16QAM	1	0	17.64	17.48	17.48				
20	16QAM	1	49	17.45	17.52	17.44		19	5	
20	16QAM	1	99	17.53	17.46	17.23				
20	16QAM	50	0	17.22	17.26	17.28				
20	16QAM	50	24	17.38	17.40	17.44				
20	16QAM	50	50	17.45	17.40	17.42		19	5	
20	16QAM	100	0	17.45	17.45	17.52				
Channel										
1857.5 1880 1907.5										
15	QPSK	1	0	22.48	22.42	22.45		24	0	
15	QPSK	1	37	22.34	22.43	22.37				
15	QPSK	1	74	22.42	22.34	22.46				
15	QPSK	36	0	21.30	21.50	21.42		23	1	
15	QPSK	36	24	21.40	21.37	21.42				
15	QPSK	36	36	21.44	21.39	21.36				
15	16QAM	1	0	21.51	21.53	21.45				
15	16QAM	1	0	21.44	21.33	21.15				
15	16QAM	1	37	21.30	21.44	21.39		23	1	
15	16QAM	1	74	21.42	21.32	21.48				
15	16QAM	36	0	20.46	20.43	20.40				
15	16QAM	36	20	20.34	20.32	20.24		22	2	
15	16QAM	36	36	20.23	20.28	20.22				
15	16QAM	75	0	20.51	20.43	20.41				
15	16QAM	1	0	20.45	20.47	20.38		22	2	
15	16QAM	1	37	20.45	20.39	20.32				
15	16QAM	1	74	20.35	20.34	20.25				
15	16QAM	36	0	19.42	19.35	19.39		21	3	
15	16QAM	36	20	19.31	19.43	19.38				
15	16QAM	36	36	19.50	19.44	19.53				
15	16QAM	75	0	19.24	19.34	19.40				
15	16QAM	1	0	17.53	17.45	17.51				
15	16QAM	1	37	17.53	17.53	17.51		19	5	
15	16QAM	1	74	17.53	17.43	17.30				
15	16QAM	36	0	17.20	17.36	17.22				
15	16QAM	36	20	17.52	17.38	17.38		19	5	
15	16QAM	36	36	17.53	17.44	17.30				
15	16QAM	75	0	17.57	17.40	17.38				
Channel										
2690 2690 2690										
10	QPSK	1	0	22.34	22.41	22.42		24	0	
10	QPSK	1	49	22.37	22.38	22.44				
10	QPSK	25	0	21.43	21.47	21.49		23	1	
10	QPSK	25	12	21.44	21.31	21.45				
10	QPSK	25	25	21.43	21.37	21.41				
10	16QAM	1	0	21.29	21.37	21.15				
10	16QAM	1	25	21.23	21.37	21.26		23	1	
10	16QAM	1	49	21.28	21.42	21.38				
10	16QAM	25	0	20.43	20.37	20.34				
10	16QAM	25	12	20.28	20.45	20.30		22	2	
10	16QAM	25	25	20.28	20.31	20.28				
10	16QAM	50	0	20.38	20.27	20.34				
10	16QAM	1	0	20.46	20.43	20.36		22	2	
10	16QAM	1	25	20.11	20.36	20.23				
10	16QAM	1	49	20.36	20.39	20.33				
10	16QAM	25	0	19.45	19.39	19.35		21	3	
10	16QAM	25	12	19.39	19.44	19.52				
10	16QAM	25	25	19.49	19.37	19.44				
10	16QAM	50	0	19.25	19.33	19.30				
10	16QAM	1	0	17.45	17.45	17.50				
10	16QAM	1	25	17.41	17.48	17.49		19	5	
10	16QAM	1	49	17.57	17.53	17.23				
10	16QAM	25	0	17.20	17.25	17.25				
10	16QAM	25	12	17.39	17.40	17.37				
10	16QAM	25	25	17.53	17.39	17.44		19	5	
10	16QAM	50	0	17.53	17.52	17.45				
Channel										
2695 2695 2695										
5	QPSK	1	0	22.30	22.45	22.42		24	0	
5	QPSK	1	12	22.20	22.40	22.25				
5	QPSK	1	24	22.36	22.38	22.46				
5	QPSK	12	0	21.42	21.53	21.46		23	1	
5	QPSK	12	7	21.36	21.39	21.38				
5	QPSK	12	13	21.46	21.35	21.29				
5	16QAM	1	0	21.44	21.40	21.44				
5	16QAM	1	0	21.18	21.30	21.23				
5	16QAM	1	12	21.24	21.36	21.33		23	1	
5	16QAM	1	24	21.33	21.29	21.31				
5	16QAM	12	0	20.38	20.51	20.41				
5	16QAM	12	7	20.32	20.38	20.32		22	2	
5	16QAM	12	13	20.28	20.31	20.29				
5	16QAM	25	0	20.28	20.41	20.43				
5	16QAM	1	0	20.40	20.40	20.36		22	2	
5	16QAM	1	12	20.28	20.19	20.25				
5	16QAM	1	24	20.43	20.30	20.27				
5	16QAM	12	0	19.44	19.32	19.44		21	3	
5	16QAM	12	7	19.55	19.51	19.62				
5	16QAM	12	13	19.44	19.43	19.55				
5	16QAM	25	0	19.31	19.43	19.29				
5	16QAM	1	0	17.49	17.48	17.54				
5	16QAM	1	12	17.42	17.47	17.41		19	5	
5	16QAM	1	24	17.50	17.38	17.26				
5	16QAM	12	0	17.53	17.31	17.32				
5	16QAM	12	7	17.37	17.42	17.43				
5	16QAM	12	13	17.51	17.42	17.36		19	5	
5	16QAM	25	0	17.47	17.41	17.50				
Channel										
2695 2695 2695										
3	QPSK	1	0	22.41	22.38	22.41		24	0	
3	QPSK	1	8	22.38	22.43	22.22				
3	QPSK	1	14	22.35	22.40	22.47				
3	QPSK	1	22	22.42	22.33	22.38		23	1	
3	QPSK	8	4	21.37	21.33	21.40				
3	QPSK	8	7	21.45	21.40	21.39				
3	QPSK	15	0	21.45	21.49	21.43		23	1	
3	16QAM	1	0	21.25	21.32	21.20				
3	16QAM	1	8	21.29	21.38	21.25		23	1	
3	16QAM	1	14	21.25	21.32	21.28				
3	16QAM	8	0	20.41	20.47	20.36		22	2	
3	16QAM	8	4	20.25	20.38	20.27				
3	16QAM	15	0	20.18	20.26	20.29				
3	16QAM	1	0	20.37	20.34	20.43		22	2	
3	16QAM	1	0	20.40	20.48	20.44				
3	16QAM	1	8	20.21	20.31	20.32				
3	16QAM	1	14	20.35	20.32	20.35				
3	16QAM	8	0	19.52	19.38	19.44		21	3	
3	16QAM									



Band 38 Ant 2 DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel	Frequency (MHz)			37650	38000	38150				
20	QPSK	1	0	22.65	22.67	22.63				
20	QPSK	1	49	22.82	22.82	22.46		24	0	
20	QPSK	1	99	22.50	22.61	22.84				
20	QPSK	50	0	21.26	21.36	21.61				
20	QPSK	50	24	21.58	21.58	21.58				
20	QPSK	50	50	21.57	21.46	21.50		23	1	
20	QPSK	100	0	21.59	21.65	21.55				
20	HQAM	1	0	21.44	21.44	21.42				
20	HQAM	1	49	21.51	21.61	21.47		23	1	
20	HQAM	1	99	21.45	21.59	21.58				
20	HQAM	50	0	20.58	20.68	20.55				
20	HQAM	50	24	20.39	20.33	20.40		22	2	
20	HQAM	50	50	20.36	20.38	20.56				
20	HQAM	100	0	20.58	20.62	20.50				
20	HQAM	1	0	20.61	20.66	20.51				
20	HQAM	1	49	20.41	20.51	20.49		22	2	
20	HQAM	1	99	20.62	20.63	20.44				
20	HQAM	50	0	19.82	19.84	19.80				
20	HQAM	50	24	19.84	19.81	19.79		21	3	
20	HQAM	50	50	19.70	19.60	19.71				
20	HQAM	100	0	19.84	19.84	19.47				
20	SSBQAM	1	0	17.74	17.68	17.78		19	5	
20	SSBQAM	1	49	17.66	17.64	17.66				
20	SSBQAM	1	99	17.49	17.59	17.56				
20	SSBQAM	50	0	17.41	17.58	17.39		19	5	
20	SSBQAM	50	24	17.66	17.62	17.66				
20	SSBQAM	50	50	17.50	17.58	17.51				
20	SSBQAM	100	0	17.74	17.68	17.66				
20	SSBQAM	100	0	17.62	17.63	17.62				
15	QPSK	1	0	22.43	22.52	22.49				
15	QPSK	1	37	22.40	22.56	22.49		24	0	
15	QPSK	1	74	22.49	22.51	22.83				
15	QPSK	36	0	21.44	21.58	21.44				
15	QPSK	36	20	21.41	21.43	21.54		23	1	
15	QPSK	36	20	21.42	21.43	21.54				
15	QPSK	75	0	21.57	21.51	21.56				
15	HQAM	1	0	21.32	21.41	21.30				
15	HQAM	1	37	21.46	21.52	21.42		23	1	
15	HQAM	1	74	21.37	21.46	21.43				
15	HQAM	36	0	20.62	20.45	20.55				
15	HQAM	36	20	20.37	20.44	20.41		22	2	
15	HQAM	36	39	20.27	20.31	20.46				
15	HQAM	75	0	20.33	20.38	20.48				
15	HQAM	1	0	20.39	20.45	20.43		22	2	
15	HQAM	1	37	20.40	20.34	20.43				
15	HQAM	1	74	20.42	20.46	20.43				
15	HQAM	36	0	19.62	19.54	19.46				
15	HQAM	36	20	19.64	19.56	19.72		21	3	
15	HQAM	36	39	19.62	19.51	19.62				
15	HQAM	75	0	19.43	19.46	19.45				
15	SSBQAM	1	0	17.59	17.58	17.60		19	5	
15	SSBQAM	1	37	17.65	17.60	17.50				
15	SSBQAM	1	74	17.68	17.68	17.53				
15	SSBQAM	36	0	17.38	17.39	17.43		19	5	
15	SSBQAM	36	20	17.48	17.56	17.49				
15	SSBQAM	36	39	17.59	17.45	17.52				
15	SSBQAM	75	0	17.62	17.63	17.61				
15	SSBQAM	75	0	17.62	17.63	17.61				
10	QPSK	1	0	25.75	25.95	26.15				
10	QPSK	1	25	22.52	22.51	22.62		24	0	
10	QPSK	1	25	22.40	22.42	22.42				
10	QPSK	25	0	21.27	21.33	21.31				
10	QPSK	25	0	21.47	21.53	21.58				
10	QPSK	25	12	21.43	21.50	21.43		23	1	
10	QPSK	25	25	21.59	21.43	21.43				
10	QPSK	50	0	21.33	21.38	21.57				
10	HQAM	1	0	21.40	21.40	21.31		23	1	
10	HQAM	1	25	21.41	21.46	21.39				
10	HQAM	1	49	21.44	21.47	21.49				
10	HQAM	25	0	20.51	20.60	20.48		22	2	
10	HQAM	25	12	20.43	20.35	20.45				
10	HQAM	25	25	20.27	20.35	20.45				
10	HQAM	50	0	20.37	20.39	20.47				
10	HQAM	1	0	20.50	20.48	20.42		22	2	
10	HQAM	1	25	20.34	20.33	20.47				
10	HQAM	1	49	20.34	20.33	20.47				
10	HQAM	25	0	19.58	19.52	19.48				
10	HQAM	25	12	19.73	19.50	19.65		21	3	
10	HQAM	25	25	19.54	19.60	19.54				
10	HQAM	50	0	19.34	19.33	19.44				
10	HQAM	50	0	17.56	17.63	17.60		19	5	
10	SSBQAM	1	25	17.49	17.50	17.49				
10	SSBQAM	1	49	17.38	17.47	17.34				
10	SSBQAM	25	0	17.40	17.38	17.31				
10	SSBQAM	25	12	17.54	17.63	17.60		19	5	
10	SSBQAM	25	25	17.47	17.51	17.42				
10	SSBQAM	50	0	17.65	17.57	17.57				
5	QPSK	1	0	22.49	22.62	22.61				
5	QPSK	1	12	22.38	22.43	22.41		24	0	
5	QPSK	1	24	22.46	22.44	22.66				
5	QPSK	12	0	21.33	21.61	21.47				
5	QPSK	12	7	21.51	21.48	21.48				
5	QPSK	12	13	21.50	21.41	21.49		23	1	
5	QPSK	25	0	21.64	21.62	21.40				
5	HQAM	1	0	21.26	21.33	21.29		23	1	
5	HQAM	1	12	21.38	21.49	21.40				
5	HQAM	12	0	20.53	20.56	20.44				
5	HQAM	12	7	20.29	20.43	20.39		22	2	
5	HQAM	12	13	20.34	20.38	20.32				
5	HQAM	25	0	19.56	19.41	19.58				
5	HQAM	25	0	20.52	20.56	20.55				
5	HQAM	1	12	20.29	20.35	20.46		22	2	
5	HQAM	1	24	20.53	20.43	20.40				
5	HQAM	12	0	19.70	19.58	19.65		21	3	
5	HQAM	12	13	19.60	19.61	19.57				
5	HQAM	25	0	19.39	19.54	19.41				
5	SSBQAM	1	0	17.53	17.55	17.68		19	5	
5	SSBQAM	1	12	17.43	17.60	17.49				
5	SSBQAM	1	24	17.50	17.54	17.46				
5	SSBQAM	12	0	17.34	17.46	17.31				
5	SSBQAM	12	7	17.60	17.53	17.51		19	5	
5	SSBQAM	12	13	17.47	17.56	17.50				
5	SSBQAM	25	0	17.55	17.61	17.50				

Band 41 Ant 2 DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel	Frequency (MHz)			39750	40185	40620	41055	41490		
20	QPSK	1	0	22.51	22.68	22.71	22.68	22.62		
20	QPSK	1	49	22.82	22.83	22.49	22.56	22.44		24
20	QPSK	1	99	22.56	22.61	22.69	22.65	22.69		
20	QPSK	50	0	21.24	21.30	21.66	21.59	21.55		
20	QPSK	50	24	21.59	21.50	21.62	21.59	21.58		
20	QPSK	50	50	21.56	21.50	21.48	21.48	21.60		23
20	QPSK	100	0	21.58	21.62	21.65	21.63	21.59		
20	HQAM	1	0	21.47	21.45	21.38	21.43	21.45		
20	HQAM	1	49	21.41	21.59	21.51	21.51	21.58		23
20	HQAM	1	99	21.46	21.50	21.58	21.51	21.53		
20	HQAM	50	0	20.67	20.57	20.69	20.67	20.53		
20	HQAM	50	24	20.45	20.63	20.52	20.43	20.47		22
20	HQAM	50	50	20.51	20.41	20.41	20.56	20.51		
20	HQAM	100	0	20.45	20.70	20.54	20.59	20.53		
20	HQAM	1	0	20.60	20.72	20.58	20.53	20.64		
20	HQAM	1	49	20.37	20.50	20.49	20.46	20.52		22
20	HQAM	1	99	20.62	20.63	20.49	20.50	20.45		
20	HQAM	50	0	19.62	19.60	19.54	19.54	19.57		
20	HQAM	50	24	19.85	19.60	19.76	19.82	19.75		21
20	HQAM	50	50	19.70	19.56	19.79	19.71	19.73		
20	HQAM	100	0	19.53	19.53	19.57	19.53	19.54		
20	SSBQAM	1	0	17.71	17.66	17.68	17.76	17.75		19
20	SSBQAM	1	49	17.67	17.70	17.69	17.71	17.69		
20	SSBQAM	1	99	17.46	17.54	17.41	17.43	17.55		
20	SSBQAM	50	0	17.55	17.51	17.42	17.44	17.42		19
20	SSBQAM	50	24	17.62	17.73	17.60	17.58	17.71		19
20	SSBQAM	50	50	17.61	17.63	17.64	17.64	17.56		
20	SSBQAM	100	0	17.64	17.67	17.59	17.64	17.72		
20	SSBQAM	100	0	17.62	17.63	17.62	17.61	17.62		
15	QPSK	1	0	22.62	22.63	22.6				



Band 7 Ant 3 DS12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2510	2535	2550				
Frequency (MHz)				2510	2535	2550				
20	QPSK	1	0	18.05	18.08	18.06	19.2	0		
20	QPSK	1	49	17.93	17.96	18.02				
20	QPSK	1	99	17.85	17.97	17.97				
20	QPSK	50	0	18.02	18.01	18.04				
20	QPSK	50	24	17.97	18.02	17.90	19.2	0		
20	QPSK	50	50	17.98	18.02	17.96				
20	QPSK	100	0	17.99	18.06	18.03				
20	16QAM	1	0	17.95	17.98	17.97				
20	16QAM	1	49	17.90	18.01	18.01	19.2	0		
20	16QAM	1	99	17.87	18.03	17.95				
20	16QAM	50	0	17.92	18.01	17.98				
20	16QAM	50	24	17.92	18.07	17.98	19.2	0		
20	16QAM	50	50	17.96	17.97	17.90				
20	16QAM	100	0	17.84	18.01	18.02				
20	64QAM	1	0	17.85	18.00	17.91				
20	64QAM	1	49	17.88	17.97	17.98	19.2	0		
20	64QAM	1	99	17.86	18.05	17.92				
20	64QAM	50	0	17.95	18.04	17.98				
20	64QAM	50	24	17.95	18.05	18.02	19.2	0		
20	64QAM	50	50	18.00	18.01	17.99				
20	64QAM	100	0	17.92	18.04	17.98				
20	256QAM	1	0	16.68	16.69	16.81				
20	256QAM	1	49	16.68	16.66	16.67	18	1.2		
20	256QAM	1	99	16.54	16.53	16.50				
20	256QAM	50	0	16.36	16.57	16.39				
20	256QAM	50	24	16.72	16.60	16.71	18	1.2		
20	256QAM	50	50	16.68	16.65	16.58				
20	256QAM	100	0	16.77	16.70	16.73				
Channel				20825	21100	21375				
Frequency (MHz)				20825	21100	21375				
15	QPSK	1	0	17.77	17.89	17.92				
15	QPSK	1	37	17.78	17.87	17.96	19.2	0		
15	QPSK	1	74	17.83	18.01	17.93				
15	QPSK	38	0	17.89	17.98	17.91				
15	QPSK	38	20	17.77	18.00	17.87	19.2	0		
15	QPSK	38	39	17.88	17.95	17.95				
15	QPSK	75	0	17.74	18.01	17.95				
15	16QAM	1	0	17.85	17.86	17.92				
15	16QAM	1	37	17.88	17.88	17.84	19.2	0		
15	16QAM	1	74	17.82	17.93	17.92				
15	16QAM	38	0	17.75	17.89	17.81				
15	16QAM	38	20	17.84	17.99	17.88	19.2	0		
15	16QAM	38	39	17.87	17.89	17.85				
15	16QAM	75	0	17.78	17.92	17.86				
15	64QAM	1	0	17.80	17.89	17.96				
15	64QAM	1	37	17.77	17.95	17.88	19.2	0		
15	64QAM	1	74	17.76	17.92	17.91				
15	64QAM	38	0	17.74	17.91	17.85				
15	64QAM	38	20	17.77	17.89	17.85	19.2	0		
15	64QAM	38	39	17.80	17.99	17.90				
15	64QAM	75	0	17.82	17.96	17.84				
15	256QAM	1	0	16.81	16.62	16.73	18	1.2		
15	256QAM	1	37	16.60	16.68	16.65				
15	256QAM	1	74	16.45	16.58	16.63				
15	256QAM	38	0	16.37	16.54	16.46				
15	256QAM	38	20	16.69	16.59	16.72	18	1.2		
15	256QAM	38	39	16.65	16.53	16.49				
15	256QAM	75	0	16.74	16.65	16.61				
Channel				20800	21100	21400				
Frequency (MHz)				20800	21100	21400				
10	QPSK	1	0	17.85	17.90	17.83				
10	QPSK	1	25	17.77	17.85	17.89	19.2	0		
10	QPSK	1	49	17.80	17.87	17.89				
10	QPSK	25	0	17.83	17.86	17.90				
10	QPSK	25	12	17.87	17.95	17.84	19.2	0		
10	QPSK	25	25	17.83	17.86	17.91				
10	QPSK	50	0	17.80	17.94	17.87				
10	16QAM	1	0	17.78	18.00	17.86				
10	16QAM	1	25	17.85	17.87	17.87	19.2	0		
10	16QAM	1	49	17.74	17.87	17.89				
10	16QAM	25	0	17.78	18.01	17.93				
10	16QAM	25	12	17.81	17.93	17.88	19.2	0		
10	16QAM	25	25	17.85	17.86	17.82				
10	16QAM	50	0	17.88	18.00	17.86				
10	64QAM	1	0	17.75	17.87	17.90				
10	64QAM	1	25	17.88	17.99	17.84	19.2	0		
10	64QAM	1	49	17.86	17.94	17.90				
10	64QAM	25	0	17.82	17.96	17.82				
10	64QAM	25	12	17.82	17.90	17.93	19.2	0		
10	64QAM	25	25	17.86	17.96	17.87				
10	64QAM	50	0	17.79	17.87	17.90				
10	256QAM	1	0	16.75	16.70	16.86				
10	256QAM	1	25	16.67	16.84	16.76	18	1.2		
10	256QAM	1	49	16.47	16.54	16.52				
10	256QAM	25	0	16.48	16.53	16.46				
10	256QAM	25	12	16.72	16.63	16.70	18	1.2		
10	256QAM	25	25	16.69	16.62	16.49				
10	256QAM	50	0	16.74	16.60	16.71				
Channel				20275	21100	21425				
Frequency (MHz)				20275	21100	21425				
5	QPSK	1	0	17.75	17.91	17.92				
5	QPSK	1	12	17.85	17.89	17.90	19.2	0		
5	QPSK	1	24	17.89	17.91	17.87				
5	QPSK	12	0	17.80	17.92	17.88				
5	QPSK	12	7	17.82	17.91	17.86	19.2	0		
5	QPSK	12	13	17.85	17.97	17.90				
5	QPSK	25	0	17.78	17.88	17.91				
5	16QAM	1	0	17.87	17.95	17.83				
5	16QAM	1	12	17.87	17.90	17.81	19.2	0		
5	16QAM	1	24	17.78	17.99	17.92				
5	16QAM	12	0	17.84	17.87	17.86				
5	16QAM	12	7	17.88	17.85	17.90	19.2	0		
5	16QAM	12	13	17.81	17.95	17.91				
5	16QAM	25	0	17.81	17.89	17.94				
5	64QAM	1	0	17.86	18.00	17.95				
5	64QAM	1	12	17.76	17.91	17.89	19.2	0		
5	64QAM	1	24	17.78	17.87	17.98				
5	64QAM	12	0	17.82	17.93	17.93				
5	64QAM	12	7	17.85	17.90	17.81	19.2	0		
5	64QAM	12	13	17.77	17.90	17.84				
5	64QAM	25	0	17.86	17.92	17.82				
5	256QAM	1	0	16.80	16.70	16.82				
5	256QAM	1	12	16.63	16.56	16.76	18	1.2		
5	256QAM	1	24	16.41	16.53	16.50				
5	256QAM	12	0	16.43	16.53	16.43				
5	256QAM	12	7	16.62	16.59	16.73	18	1.2		
5	256QAM	12	13	16.75	16.59	16.53				
5	256QAM	25	0	16.79	16.60	16.67				



Band 42 Part 27Q Ant 7 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.66	19.71	19.65	21	0	
20	QPSK	1	49	19.59	19.68	19.59			
20	QPSK	1	99	19.55	19.62	19.56			
20	QPSK	50	0	19.84	19.66	19.65			
20	QPSK	50	24	19.62	19.65	19.61	21	0	
20	QPSK	50	50	19.52	19.67	19.61			
20	QPSK	100	0	19.85	19.67	19.62			
20	16QAM	1	0	19.53	19.69	19.56			
20	16QAM	1	49	19.57	19.65	19.65	21	0	
20	16QAM	1	99	19.57	19.68	19.59			
20	16QAM	50	0	19.52	19.69	19.64			
20	16QAM	50	24	19.62	19.64	19.60	21	0	
20	16QAM	50	50	19.53	19.59	19.64			
20	16QAM	100	0	19.66	19.61	19.62			
20	64QAM	1	0	19.57	19.63	19.61			
20	64QAM	1	49	19.61	19.61	19.68	21	0	
20	64QAM	1	99	19.58	19.64	19.57			
20	64QAM	50	0	19.84	19.64	19.61			
20	64QAM	50	24	19.58	19.57	19.62	21	0	
20	64QAM	50	50	19.51	19.69	19.67			
20	64QAM	100	0	19.53	19.65	19.65			
20	256QAM	1	0	17.64	17.57	17.73	19	2	
20	256QAM	1	49	17.71	17.66	17.80			
20	256QAM	1	99	17.58	17.57	17.66			
20	256QAM	50	0	17.55	17.51	17.57	19	2	
20	256QAM	50	24	17.55	17.66	17.72			
20	256QAM	50	50	17.45	17.48	17.52			
20	256QAM	100	0	17.67	17.75	17.57			
Channel				42455	42950	43045	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.54	19.51	19.52	21	0	
15	QPSK	1	37	19.47	19.57	19.48			
15	QPSK	1	74	19.49	19.55	19.60			
15	QPSK	36	0	19.43	19.60	19.54			
15	QPSK	36	20	19.54	19.57	19.52	21	0	
15	QPSK	36	39	19.53	19.61	19.48			
15	QPSK	75	0	19.45	19.51	19.54			
15	16QAM	1	0	19.40	19.50	19.50	21	0	
15	16QAM	1	37	19.45	19.60	19.47			
15	16QAM	1	74	19.42	19.54	19.54			
15	16QAM	36	0	19.43	19.57	19.57	21	0	
15	16QAM	36	20	19.51	19.56	19.50			
15	16QAM	36	39	19.44	19.58	19.55			
15	16QAM	75	0	19.52	19.47	19.59			
15	64QAM	1	0	19.53	19.53	19.51	21	0	
15	64QAM	1	37	19.54	19.50	19.57			
15	64QAM	1	74	19.44	19.63	19.53			
15	64QAM	36	0	19.54	19.61	19.58			
15	64QAM	36	20	19.44	19.48	19.59	21	0	
15	64QAM	36	39	19.48	19.52	19.59			
15	64QAM	75	0	19.50	19.54	19.56			
15	256QAM	1	0	17.67	17.58	17.64	19	2	
15	256QAM	1	37	17.67	17.65	17.49			
15	256QAM	1	74	17.50	17.45	17.42			
15	256QAM	36	0	17.34	17.37	17.45	19	2	
15	256QAM	36	20	17.54	17.58	17.66			
15	256QAM	36	39	17.37	17.41	17.55			
15	256QAM	75	0	17.46	17.62	17.54			
Channel				42140	42590	43030	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.41	19.47	19.48	21	0	
10	QPSK	1	25	19.50	19.54	19.50			
10	QPSK	1	49	19.49	19.56	19.47			
10	QPSK	25	0	19.46	19.52	19.57	21	0	
10	QPSK	25	12	19.50	19.49	19.60			
10	QPSK	25	25	19.41	19.57	19.60			
10	QPSK	50	0	19.54	19.51	19.60			
10	16QAM	1	0	19.43	19.62	19.56	21	0	
10	16QAM	1	25	19.46	19.54	19.54			
10	16QAM	1	49	19.44	19.60	19.50			
10	16QAM	25	0	19.50	19.63	19.54	21	0	
10	16QAM	25	12	19.54	19.50	19.55			
10	16QAM	25	25	19.50	19.47	19.50			
10	16QAM	50	0	19.53	19.60	19.56			
10	64QAM	1	0	19.43	19.61	19.49	21	0	
10	64QAM	1	25	19.47	19.50	19.54			
10	64QAM	1	49	19.49	19.49	19.52			
10	64QAM	25	0	19.42	19.54	19.56	21	0	
10	64QAM	25	12	19.44	19.55	19.52			
10	64QAM	25	25	19.40	19.62	19.52			
10	64QAM	50	0	19.47	19.59	19.52			
10	256QAM	1	0	17.68	17.53	17.89	19	2	
10	256QAM	1	25	17.61	17.50	17.53			
10	256QAM	1	49	17.42	17.36	17.51			
10	256QAM	25	0	17.33	17.44	17.42	19	2	
10	256QAM	25	12	17.55	17.58	17.56			
10	256QAM	25	25	17.36	17.51	17.54			
10	256QAM	50	0	17.48	17.55	17.56			
Channel				42115	42590	43065	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.43	19.48	19.58	21	0	
5	QPSK	1	12	19.45	19.58	19.46			
5	QPSK	1	24	19.51	19.48	19.48			
5	QPSK	12	0	19.46	19.49	19.50	21	0	
5	QPSK	12	7	19.46	19.59	19.60			
5	QPSK	12	13	19.41	19.52	19.61			
5	QPSK	25	0	19.48	19.51	19.60			
5	16QAM	1	0	19.43	19.60	19.58	21	0	
5	16QAM	1	12	19.53	19.52	19.54			
5	16QAM	1	24	19.46	19.50	19.59			
5	16QAM	12	0	19.50	19.49	19.58	21	0	
5	16QAM	12	7	19.51	19.56	19.52			
5	16QAM	12	13	19.52	19.49	19.47			
5	16QAM	25	0	19.45	19.62	19.52			
5	64QAM	1	0	19.52	19.58	19.56	21	0	
5	64QAM	1	12	19.45	19.52	19.51			
5	64QAM	1	24	19.41	19.55	19.59			
5	64QAM	12	0	19.51	19.62	19.54	21	0	
5	64QAM	12	7	19.42	19.53	19.47			
5	64QAM	12	13	19.43	19.56	19.54			
5	64QAM	25	0	19.53	19.60	19.47			
5	256QAM	1	0	17.63	17.52	17.62	19	2	
5	256QAM	1	12	17.54	17.49	17.51			
5	256QAM	1	24	17.40	17.45	17.47			
5	256QAM	12	0	17.42	17.47	17.43	19	2	
5	256QAM	12	7	17.55	17.53	17.63			
5	256QAM	12	13	17.41	17.43	17.45			
5	256QAM	25	0	17.42	17.59	17.59			



Reduced Power Mode for DSI3

		GSM850 Ant 0 DSI3			Frame/Average Power (dBm)			Tune-up
		Burst Average Power (dBm)			Limit			Limit
		128	198	251	128	198	251	Limit
Frequency (MHz)		854.2	856.4	858.8	854.2	856.4	858.8	(dBm)
GSM850 Ant 0								
Tx Channel		128	198	251	128	198	251	Limit
Frequency (MHz)		854.2	856.4	858.8	854.2	856.4	858.8	(dBm)
GSM 1 Tx slot		32.70	32.82	32.78	33.50	33.70	33.82	34.50
GPRS 1 Tx slot		32.74	32.95	32.98	33.50	33.74	33.85	34.50
GPRS 2 Tx slot		29.65	30.91	30.88	31.50	33.65	34.91	34.88
GPRS 3 Tx slot		28.18	29.33	29.31	30.00	33.90	35.07	35.05
GPRS 4 Tx slot		26.54	27.73	27.91	28.00	23.54	24.73	24.91
EDGE 1 Tx slot		26.65	26.45	26.71	27.00	18.65	17.45	17.71
EDGE 2 Tx slot		24.67	25.40	25.20	26.00	18.67	19.40	19.20
EDGE 3 Tx slot		23.14	23.92	23.91	24.50	18.88	19.66	19.65
EDGE 4 Tx slot		21.52	22.24	22.21	23.00	18.52	19.24	19.21

		WCDMA V Ant 0 DSI3			Tune-up
		WCDMA V Ant 0			Limit
		4152	4152	4253	Limit
Frequency (MHz)		4357	4407	4458	(dBm)
Band					
Tx Channel		4152	4152	4253	Limit
Frequency (MHz)		4357	4407	4458	(dBm)
3GPP Rel 99	AMR 12.2kbps	22.53	22.62	22.56	24.80
3GPP Rel 99	RM-C 12.2kbps	22.25	22.25	22.25	24.00
3GPP Rel 6	HSDPA Subtest-1	21.57	21.69	21.68	23.00
3GPP Rel 6	HSDPA Subtest-2	21.61	21.64	21.62	23.00
3GPP Rel 6	HSDPA Subtest-3	21.07	21.17	21.07	22.50
3GPP Rel 6	HSDPA Subtest-4	21.00	21.15	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.53	21.63	21.64	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.61	21.71	21.57	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.03	21.11	21.09	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.05	21.09	21.12	22.50
3GPP Rel 6	HSUPA Subtest-1	21.61	21.57	21.70	23.00
3GPP Rel 6	HSUPA Subtest-2	19.54	19.68	19.65	21.00
3GPP Rel 6	HSUPA Subtest-3	20.57	20.60	20.69	22.00
3GPP Rel 6	HSUPA Subtest-4	19.54	19.67	19.60	21.00
3GPP Rel 6	HSUPA Subtest-5	21.50	21.67	21.60	23.00



Band 5 Ant 0 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Tune-up limit (dBm)	MPR (dB)	
Channel				2000	2000	2000			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.60	22.63	22.61			
10	QPSK	1	25	22.46	22.59	22.46			
10	QPSK	1	49	22.56	22.45	22.57		24	0
10	QPSK	25	0	21.61	21.61	21.61			
10	QPSK	25	12	21.62	21.64	21.54			
10	QPSK	25	25	21.59	21.55	21.58		23	1
10	QPSK	50	0	21.61	21.65	21.60			
10	16QAM	1	0	21.59	21.85	21.50			
10	16QAM	1	25	21.58	21.53	21.80			
10	16QAM	1	49	21.61	21.61	21.58		23	1
10	16QAM	25	0	20.67	20.65	20.57			
10	16QAM	25	12	20.68	20.66	20.57			
10	16QAM	25	25	20.55	20.62	20.66		22	2
10	16QAM	50	0	20.60	20.63	20.63			
10	16QAM	1	0	20.63	20.61	20.68			
10	16QAM	1	25	20.60	20.57	20.58		22	2
10	16QAM	1	49	20.65	20.58	20.56			
10	16QAM	25	0	19.59	19.56	19.66			
10	16QAM	25	12	19.67	19.65	19.53			
10	16QAM	25	25	19.68	19.57	19.54		21	3
10	16QAM	50	0	19.68	19.57	19.54			
10	256QAM	1	0	17.62	17.70	17.65			
10	256QAM	1	25	17.63	17.67	17.67		19	5
10	256QAM	1	49	17.59	17.62	17.61			
10	256QAM	25	0	17.85	17.80	17.87			
10	256QAM	25	12	17.81	17.87	17.88			
10	256QAM	25	25	17.57	17.71	17.61		19	5
10	256QAM	50	0	17.60	17.55	17.65			
Channel				20425	20529	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				626.5	636.5	646.5			
5	QPSK	1	0	22.49	22.54	22.54			
5	QPSK	1	12	22.45	22.48	22.39		24	0
5	QPSK	1	24	22.40	22.35	22.42			
5	QPSK	12	0	21.43	21.66	21.63			
5	QPSK	12	7	21.57	21.54	21.44		23	1
5	QPSK	12	13	21.49	21.50	21.49			
5	QPSK	25	0	21.48	21.47	21.48			
5	16QAM	1	0	21.51	21.54	21.43			
5	16QAM	1	12	21.50	21.48	21.54		23	1
5	16QAM	1	24	21.46	21.50	21.41			
5	16QAM	12	0	20.61	20.62	20.44			
5	16QAM	12	7	20.55	20.48	20.53		22	2
5	16QAM	12	13	20.46	20.58	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	16QAM	1	0	20.45	20.57	20.63			
5	16QAM	1	12	20.47	20.48	20.55		22	2
5	16QAM	1	24	20.51	20.42	20.39			
5	16QAM	12	0	19.47	19.40	19.59			
5	16QAM	12	7	19.61	19.57	19.48			
5	16QAM	12	13	19.56	19.47	19.59		21	3
5	16QAM	25	0	19.62	19.49	19.47			
5	256QAM	1	0	17.59	17.64	17.41			
5	256QAM	1	12	17.56	17.49	17.54		19	5
5	256QAM	1	24	17.45	17.48	17.48			
5	256QAM	12	0	17.55	17.48	17.63			
5	256QAM	12	7	17.61	17.55	17.47		19	5
5	256QAM	12	13	17.44	17.57	17.56			
5	256QAM	25	0	17.48	17.41	17.58			
Channel				20115	20202	20292	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				653.5	663.5	673.5			
3	QPSK	1	0	22.57	22.47	22.51			
3	QPSK	1	8	22.41	22.44	22.31		24	0
3	QPSK	1	14	22.51	22.38	22.49			
3	QPSK	8	0	21.46	21.66	21.50			
3	QPSK	8	4	21.48	21.57	21.41		23	1
3	QPSK	8	8	21.56	21.46	21.44			
3	QPSK	15	0	21.53	21.59	21.47			
3	16QAM	1	0	21.49	21.58	21.35			
3	16QAM	1	8	21.52	21.46	21.49		23	1
3	16QAM	1	14	21.44	21.53	21.54			
3	16QAM	8	0	20.62	20.48	20.46			
3	16QAM	8	4	20.54	20.59	20.45			
3	16QAM	8	7	20.46	20.54	20.59		22	2
3	16QAM	15	0	20.51	20.61	20.59			
3	16QAM	1	0	20.50	20.56	20.59			
3	16QAM	1	8	20.61	20.39	20.54		22	2
3	16QAM	1	14	21.44	21.50	21.41			
3	16QAM	8	0	19.55	19.49	19.60			
3	16QAM	8	4	19.57	19.59	19.41		21	3
3	16QAM	8	7	19.50	19.52	19.48			
3	16QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.59	17.60	17.42			
3	256QAM	1	8	17.45	17.57	17.57		19	5
3	256QAM	1	14	17.43	17.55	17.46			
3	256QAM	8	0	17.54	17.51	17.49			
3	256QAM	8	4	17.61	17.55	17.46		19	5
3	256QAM	8	7	17.42	17.67	17.54			
3	256QAM	15	0	17.63	17.48	17.60			
Channel				20407	20502	20593	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				624.7	636.5	648.3			
1.4	QPSK	1	0	22.57	22.52	22.48			
1.4	QPSK	1	3	22.29	22.44	22.30		24	0
1.4	QPSK	1	5	22.53	22.34	22.55			
1.4	QPSK	3	0	22.44	22.51	22.48			
1.4	QPSK	3	1	22.57	22.50	22.43			
1.4	QPSK	3	3	22.50	22.50	22.57			
1.4	QPSK	6	0	21.48	21.51	21.55		23	1
1.4	16QAM	1	0	21.45	21.60	21.37			
1.4	16QAM	1	3	21.43	21.38	21.44			
1.4	16QAM	1	12	21.44	21.50	21.41		23	1
1.4	16QAM	3	0	21.44	21.53	21.42			
1.4	16QAM	3	1	21.51	21.52	21.46			
1.4	16QAM	3	3	21.48	21.61	21.45			
1.4	16QAM	6	0	20.46	20.47	20.50		22	2
1.4	16QAM	1	0	20.59	20.54	20.58			
1.4	16QAM	1	3	20.42	20.54	20.58		22	2
1.4	16QAM	1	5	20.57	20.48	20.45			
1.4	16QAM	3	0	20.52	20.52	20.45		22	2
1.4	16QAM	3	1	20.52	20.53	20.47			
1.4	16QAM	3	3	20.52	20.49	20.50		21	3
1.4	16QAM	6	0	19.51	19.51	19.42			
1.4	256QAM	1	0	17.57	17.55	17.39			
1.4	256QAM	1	3	17.46	17.61	17.62		19	5
1.4	256QAM	1	5	17.57	17.56	17.58			
1.4	256QAM	3	0	17.58	17.58	17.64			
1.4	256QAM	3	1	17.55	17.60	17.42			
1.4	256QAM	3	1	17.46	17.65	17.48		19	3.7
1.4	256QAM	6	0	17.44	17.53	17.62		19	5

Band 7 Ant 0 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Tune-up limit (dBm)	MPR (dB)	
Channel				2000	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.47	21.54	21.48			
20	QPSK	1	49	21.37	21.52	21.51		22.7	0
20	QPSK	1	99	21.42	21.53	21.46			
20	QPSK	50	0	21.40	21.40	21.47			
20	QPSK	50	24	21.48	21.48	21.47		22.7	0
20	QPSK	50	50	21.38	21.46	21.38			
20	QPSK	100	0	21.41	21.51	21.49			
20	16QAM	1	0	21.48	21.51	21.48			
20	16QAM	1	49	21.44	21.51	21.51		22.7	0
20	16QAM	1	99	21.35	21.47	21.46			
20	16QAM	50	0	20.54	20.50	20.50			
20	16QAM	50	24	20.63	20.50	20.50		22	0.7
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	16QAM	1	0	20.60	20.56	20.57			
20	16QAM	1	49	20.55	20.44	20.49		22	0.7
20	16QAM	1	99	20.59	20.40	20.42			
20	16QAM	50	0	19.44	19.38	19.60			
20	16QAM	50	24	19.52	19.57	19.41		21	1.7
20	16QAM	50	50	19.54	19.54	19.54			
20	16QAM	100	0	19.57	19.44	19.47			
20	256QAM	1	0	17.44	17.67	17.40			
20	256QAM	1	49	17.56	17.55	17.57		19	3.7
20	256QAM	1	99	17.44	17.47	17.45			
20	256QAM	50	0	17.48	17.53	17.61			
20	256QAM	50	24	17.56	17.61	17.42			
20	256QAM	50	50	17.47	17.57	17.43		19	3.7
20	256QAM	100	0	17.54	17.44	17.63			
Channel				20626	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.38	21.34	21.34			
15	QPSK	1	24	21.38	21.34	21.34		22.7	0
15	QPSK	1	74	21.33	21.46	21.34			
15	QPSK	38	0	21.35	21.47	21.28			
15									



Band 13 Ant 0 DSI3										
BW (MHz)	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)										
10	QPSK	1	0		22.71					
10	QPSK	1	25		22.80				24	0
10	QPSK	1	49		22.38					
10	QPSK	25	0		23.29					
10	QPSK	25	12		21.62				23	1
10	QPSK	25	25		21.53					
10	QPSK	50	0		21.67					
10	16QAM	1	0		21.60					
10	16QAM	1	25		21.51				23	1
10	16QAM	1	49		21.56					
10	16QAM	25	0		20.88					
10	16QAM	25	12		20.67				22	2
10	16QAM	25	25		20.54					
10	16QAM	50	0		20.56					
10	16QAM	1	0		20.89					
10	16QAM	1	25		20.54				22	2
10	16QAM	1	49		20.58					
10	16QAM	25	0		19.49					
10	16QAM	25	12		19.57				21	3
10	16QAM	25	25		19.69					
10	16QAM	50	0		19.57					
10	256QAM	1	0		17.89				19	5
10	256QAM	1	25		17.64					
10	256QAM	1	49		17.67					
10	256QAM	25	0		17.87				19	5
10	256QAM	25	12		17.73					
10	256QAM	25	25		17.69					
10	256QAM	50	0		17.55					
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.63	22.53	22.44			24	0
5	QPSK	1	12	22.27	22.52	22.28				
5	QPSK	1	24	22.55	22.33	22.53				
5	QPSK	12	0	22.38	22.49	22.53				
5	QPSK	12	7	22.50	22.55	22.42			23	1
5	QPSK	12	13	22.42	22.53	22.81				
5	QPSK	25	0	21.42	21.58	21.47				
5	16QAM	1	0	21.50	21.55	21.29				
5	16QAM	1	12	21.41	21.38	21.44			23	1
5	16QAM	1	24	21.41	21.46	21.42				
5	16QAM	12	0	21.49	21.48	21.36				
5	16QAM	12	7	21.54	21.56	21.44			22	2
5	16QAM	12	13	21.43	21.60	21.50				
5	16QAM	25	0	20.50	20.41	20.52				
5	16QAM	25	12	20.60	20.56	20.68				
5	16QAM	25	25	20.47	20.55	20.49			22	2
5	16QAM	50	0	20.83	20.46	20.47				
5	16QAM	12	0	20.58	20.58	20.48				
5	16QAM	12	7	20.59	20.50	20.49			21	3
5	16QAM	12	13	20.48	20.52	20.48				
5	16QAM	25	0	19.50	19.56	19.45				
5	256QAM	1	0	17.57	17.57	17.44			19	5
5	256QAM	1	12	17.40	17.62	17.70				
5	256QAM	1	24	17.57	17.60	17.52				
5	256QAM	12	0	17.53	17.56	17.83				
5	256QAM	12	7	17.55	17.56	17.48			19	5
5	256QAM	12	13	17.53	17.61	17.53				
5	256QAM	25	0	17.42	17.47	17.83				

Band 17 Ant 0 DSI3										
BW (MHz)	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)										
10	QPSK	1	0		709	710	711			
10	QPSK	1	25		22.61	22.67	22.58		24	0
10	QPSK	1	49		22.59	22.45	22.51			
10	QPSK	25	0		21.57	21.65	21.54			
10	QPSK	25	12		21.55	21.62	21.57		23	1
10	QPSK	25	25		21.59	21.59	21.59			
10	QPSK	50	0		21.61	21.63	21.59			
10	16QAM	1	0		21.54	21.67	21.48			
10	16QAM	1	25		21.56	21.56	21.56		23	1
10	16QAM	1	49		21.63	21.54	21.61			
10	16QAM	25	0		20.85	20.66	20.51			
10	16QAM	25	12		20.61	20.71	20.59		22	2
10	16QAM	25	25		20.55	20.83	20.67			
10	16QAM	50	0		20.60	20.62	20.66			
10	16QAM	1	0		20.67	20.56	20.65			
10	16QAM	1	25		20.57	20.58	20.54		22	2
10	16QAM	1	49		20.68	20.68	20.52			
10	16QAM	25	0		19.60	19.58	19.62			
10	16QAM	25	12		19.71	19.61	19.54		21	3
10	16QAM	25	25		19.66	19.55	19.71			
10	16QAM	50	0		19.75	19.53	19.50			
10	256QAM	1	0		17.70	17.67	17.58			
10	256QAM	1	25		17.59	17.63	17.72		19	5
10	256QAM	1	49		17.51	17.60	17.68			
10	256QAM	25	0		17.63	17.60	17.61			
10	256QAM	25	12		17.76	17.59	17.58			
10	256QAM	25	25		17.68	17.72	17.63		19	5
10	256QAM	50	0		17.63	17.56	17.70			
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.58	22.47			24	0
5	QPSK	1	12	22.42	22.47	22.42				
5	QPSK	1	24	22.52	22.41	22.51				
5	QPSK	12	0	21.51	21.53	21.83				
5	QPSK	12	7	21.54	21.52	21.45			23	1
5	QPSK	12	13	21.55	21.41	21.55				
5	QPSK	25	0	21.51	21.60	21.46				
5	16QAM	1	0	21.41	21.56	21.43				
5	16QAM	1	12	21.49	21.38	21.57			23	1
5	16QAM	1	24	21.58	21.57	21.44				
5	16QAM	12	0	20.51	20.60	20.45				
5	16QAM	12	7	20.64	20.52	20.50			22	2
5	16QAM	12	13	20.47	20.45	20.50				
5	16QAM	25	0	20.47	20.51	20.51				
5	16QAM	25	12	20.53	20.54	20.51				
5	16QAM	25	25	20.46	20.47	20.46			22	2
5	16QAM	50	0	20.52	20.51	20.47				
5	16QAM	12	0	19.53	19.48	19.56				
5	16QAM	12	7	19.64	19.53	19.42			21	3
5	16QAM	12	13	19.53	19.54	19.62				
5	16QAM	25	0	19.55	19.48	19.44				
5	256QAM	1	0	17.63	17.66	17.40			19	5
5	256QAM	1	12	17.53	17.63	17.59				
5	256QAM	1	24	17.47	17.49	17.43				
5	256QAM	12	0	17.50	17.48	17.54				
5	256QAM	12	7	17.65	17.55	17.49			19	5
5	256QAM	12	13	17.40	17.66	17.45				
5	256QAM	25	0	17.47	17.44	17.52				

Band 26 Ant 0 DSI3										
BW (MHz)	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)										
15	QPSK	1	0		821.5	831.5	841.5			
15	QPSK	1	37		22.48	22.49	22.44		24	0
15	QPSK	1	74		22.31	22.45	22.32			
15	QPSK	1	111		22.46	22.41	22.44			
15	QPSK	38	0		21.85	21.87	21.83			
15	QPSK	38	20		21.51	21.55	21.47		23	1
15	QPSK	38	39		21.51	21.55	21.52			
15	QPSK	75	0		21.54	21.56	21.54			
15	16QAM	1	0		21.46	21.48	21.38			
15	16QAM	1	37		21.49	21.39	21.47		23	1
15	16QAM	1	74		21.50	21.56	21.48			
15	16QAM	38	0		20.59	20.51	20.50			
15	16QAM	38	20		20.65	20.53	20.38		22	2
15	16QAM	38	39		20.51	20.48	20.58			
15	16QAM	75	0		20.43	20.54	20.52			



Band 38 Ant 0 DSI3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Power	Power Power	Power Power	Time-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)				3760	3800	3810					
20	QPSK	1	0	2230	2245	2245					
20	QPSK	1	49	2230	2245	2245				23.8	0
20	QPSK	1	99	2250	2245	2245					
20	QPSK	50	0	2153	2167	2161					
20	QPSK	50	24	2148	2149	2144				23	0.8
20	QPSK	50	20	2145	2150	2150					
20	QPSK	100	0	2150	2161	2145					
20	16QAM	1	0	2145	2150	2147					
20	16QAM	1	49	2145	2146	2153				23	0.8
20	16QAM	1	99	2145	2154	2145					
20	16QAM	50	0	2053	2060	2052					
20	16QAM	50	24	2061	2063	2041				22	1.8
20	16QAM	50	20	2038	2044	2059					
20	16QAM	100	0	2056	2060	2047					
20	16QAM	100	0	2050	2050	2057					
20	16QAM	1	49	2050	2051	2052				22	1.8
20	16QAM	1	99	2053	2043	2053					
20	16QAM	50	0	1947	1946	1948					
20	16QAM	50	24	1938	1935	1948				21	2.8
20	16QAM	50	20	1940	1935	1948					
20	16QAM	100	0	1940	1940	1941					
20	16QAM	1	0	1751	1766	1747					
20	16QAM	1	49	1756	1754	1755				19	4.8
20	16QAM	1	99	1745	1750	1748					
20	16QAM	50	0	1748	1749	1754					
20	16QAM	50	24	1740	1763	1740				19	4.8
20	16QAM	50	20	1749	1755	1748					
20	16QAM	100	0	1762	1751	1748					
Channel											
Frequency (MHz)				2577.5	2595	2612.5				Time-up limit (dBm)	MPR (dB)
15	QPSK	1	0	2243	2240	2240					
15	QPSK	1	37	2222	2244	2234				23.8	0
15	QPSK	1	75	2142	2142	2142					
15	QPSK	36	0	2139	2141	2154					
15	QPSK	36	20	2149	2143	2133				23	0.8
15	QPSK	36	39	2133	2135	2143					
15	16QAM	75	0	2142	2142	2145					
15	16QAM	1	37	2135	2130	2143				23	0.8
15	16QAM	1	74	2138	2134	2140					
15	16QAM	36	0	2052	2045	2037					
15	16QAM	36	20	2046	2049	2056				22	1.8
15	16QAM	36	39	2038	2038	2047					
15	16QAM	75	0	2047	2038	2048					
15	16QAM	1	0	2047	2048	2045				22	1.8
15	16QAM	1	74	2047	2038	2035					
15	16QAM	36	0	1941	1940	1954					
15	16QAM	36	20	1947	1947	1954				21	2.8
15	16QAM	36	39	1944	1945	1943					
15	16QAM	75	0	1745	1750	1748					
15	16QAM	1	37	1744	1756	1720					
15	16QAM	1	74	1745	1754	1743				19	4.8
15	16QAM	36	0	1740	1738	1745					
15	16QAM	36	20	1740	1738	1742				19	4.8
15	16QAM	36	39	1745	1753	1736					
15	16QAM	75	0	1738	1738	1734					
15	16QAM	75	0	1738	1728	1738					
Channel											
Frequency (MHz)				3760	3800	3820				Time-up limit (dBm)	MPR (dB)
10	QPSK	1	0	2234	2244	2236					
10	QPSK	1	25	2231	2245	2230				23.8	0
10	QPSK	1	49	2242	2232	2230					
10	QPSK	25	0	2143	2154	2150					
10	QPSK	25	24	2143	2138	2138				23	0.8
10	QPSK	25	20	2132	2129	2132					
10	QPSK	50	0	2142	2149	2137					
10	16QAM	1	0	2131	2152	2142				23	0.8
10	16QAM	1	49	2141	2148	2142					
10	16QAM	1	99	2148	2144	2134					
10	16QAM	25	0	2053	2042	2042					
10	16QAM	25	12	2041	2043	2031				22	1.8
10	16QAM	25	20	2038	2044	2050					
10	16QAM	50	0	2041	2046	2045					
10	16QAM	1	0	2041	2047	2056					
10	16QAM	1	25	2048	2044	2043				22	1.8
10	16QAM	1	49	2047	2036	2029					
10	16QAM	1	99	2041	2038	2142					
10	16QAM	25	12	1942	1952	1928				21	2.8
10	16QAM	25	20	1947	1939	1947					
10	16QAM	50	0	1948	1933	1931					
10	16QAM	1	0	1748	1745	1740				19	4.8
10	16QAM	1	25	1745	1750	1755					
10	16QAM	1	49	1739	1739	1747					
10	16QAM	25	0	1750	1737	1746				19	4.8
10	16QAM	25	12	1751	1754	1736					
10	16QAM	25	20	1737	1750	1738					
10	16QAM	50	0	1747	1731	1743					
Channel											
Frequency (MHz)				3777.5	3800	3822.5				Time-up limit (dBm)	MPR (dB)
5	QPSK	1	0	2248	2236	2245					
5	QPSK	1	12	2221	2231	2229				23.8	0
5	QPSK	1	24	2235	2226	2230					
5	QPSK	12	0	2137	2149	2147					
5	QPSK	12	7	2145	2152	2141				23	0.8
5	QPSK	12	13	2134	2138	2145					
5	QPSK	25	0	2152	2137	2144					
5	16QAM	1	0	2141	2149	2138					
5	16QAM	1	12	2132	2135	2148				23	0.8
5	16QAM	1	24	2142	2136	2135					
5	16QAM	12	7	2041	2048	2048				22	1.8
5	16QAM	12	13	2041	2046	2053					
5	16QAM	25	0	2042	2039	2048					
5	16QAM	1	0	2037	2038	2040					
5	16QAM	1	12	2032	2043	2045				22	1.8
5	16QAM	1	24	2049	2032	2039					
5	16QAM	12	0	1941	1937	1949				21	2.8
5	16QAM	12	7	1949	1943	1925					
5	16QAM	12	13	1940	1942	1937					
5	16QAM	25	0	1954	1943	1932					
5	16QAM	1	0	1743	1744	1741					
5	16QAM	1	12	1745	1747	1754				19	4.8
5	16QAM	1	24	1745	1740	1734					
5	16QAM	12	0	1737	1738	1750					
5	16QAM	12	7	1745	1740	1738				19	4.8
5	16QAM	12	13	1742	1744	1739					
5	16QAM	25	0	1744	1731	1741					

Band 41 Ant 0 DSI3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Power	Power Power	Power Power	Time-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)				3970	4016	4062	4105	4150			
20	QPSK	1	0	2206	2245	2293	2335	2380			
20	QPSK	1	49	2241	2247	2253	2245	2245		23.8	0
20	QPSK	1	99	2241	2245	2238	2247	2240			
20	QPSK	50	0	2148	2157	2159	2154	2155			
20	QPSK	50	24	2151	2147	2152	2140	2149		23	0.8
20	QPSK	50	20	2143	2153	2146	2150	2152			
20	QPSK	100	0	2149	2158	2150	2154	2155			
20	16QAM	1	0	2147	2141	2160	2131	2156			
20	16QAM	1	49	2150							



GSM850 Ant 1 DSS													
GSM850 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)					
	128	189	251		128	189	251						
TX Channel	152.2	158.4	164.6	122.2	128.4	134.6	122.2	128.4					
Frequency (MHz)	852.2	858.4	864.6	852.2	858.4	864.6	852.2	858.4					
GSM 1 Tx slot	31.88	32.75	32.98	33.50	32.88	33.75	33.98	34.50					
GPRS 1 Tx slot	31.96	32.65	32.96	33.50	32.96	33.65	33.96	34.50					
GPRS 2 Tx slots	29.67	30.56	30.75	31.50	30.67	31.56	31.50	32.50					
GPRS 3 Tx slots	28.12	29.07	29.88	30.00	29.88	30.71	31.62	32.14					
GPRS 4 Tx slots	25.52	27.16	27.47	27.50	22.52	24.18	24.47	24.50					
EDGE 1 Tx slot	25.81	26.52	26.54	27.00	18.81	17.52	17.54	18.00					
EDGE 2 Tx slots	23.47	23.27	23.25	23.00	18.47	19.27	19.32	20.00					
EDGE 3 Tx slots	22.91	23.84	23.76	24.50	18.65	19.58	19.50	20.24					
EDGE 4 Tx slots	21.23	22.16	22.18	23.00	18.23	19.16	19.18	20.00					
GSM1900 Ant 1 DSS													
GSM1900 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)					
	512	661	810		512	661	810						
TX Channel	512	661	810	512	661	810	512	661					
Frequency (MHz)	1852.2	1858	1863.8	1852.2	1858	1863.8	1852.2	1858					
GSM 1 Tx slot	27.01	27.75	27.81	28.80	18.01	18.75	18.81	19.80					
GPRS 1 Tx slot	28.97	27.85	27.83	28.80	17.97	18.85	18.83	19.80					
GPRS 2 Tx slots	24.04	25.33	25.31	25.80	18.04	19.33	19.31	19.80					
GPRS 3 Tx slots	22.43	23.43	23.38	24.10	18.17	19.17	19.10	19.84					
GPRS 4 Tx slots	21.07	22.08	22.50	22.80	18.07	19.08	19.50	19.80					
EDGE 1 Tx slot	22.55	23.78	23.77	24.50	13.55	14.78	14.77	15.50					
EDGE 2 Tx slots	21.68	22.65	22.78	23.50	15.68	16.65	16.78	17.50					
EDGE 3 Tx slots	20.05	21.05	21.15	22.00	15.75	16.75	16.88	17.74					
EDGE 4 Tx slots	18.49	19.53	19.55	20.00	15.49	16.53	16.55	17.00					
WCDMA II Ant 1 DSS			WCDMA IV Ant 1 DSS			WCDMA V Ant 1 DSS							
Band	WCDMA II Ant 1			WCDMA IV Ant 1			WCDMA V Ant 1						
	TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233			
RX Channel	9602	9800	9938	1537	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1860	1867.6	1712.4	1723.6	1735.6	826.4	836.4	846.6				
3GPP Ref #9	AMR 12.2Kbps	17.13	17.22	17.15	18.20	17.81	17.83	17.81	18.90	22.51	22.60	22.62	23.50
3GPP Ref #9	RMC 12.2Kbps	17.19	17.23	17.22	18.20	17.87	17.91	17.90	18.90	22.64	22.71	22.65	23.50
3GPP Ref #8	HSDPA Subtest-1	18.41	18.31	18.38	17.28	17.08	16.98	17.08	17.80	21.57	21.65	21.63	22.50
3GPP Ref #6	HSDPA Subtest-2	16.29	16.27	16.35	17.20	16.93	16.89	16.96	17.80	21.62	21.60	21.67	22.50
3GPP Ref #6	HSDPA Subtest-3	15.69	15.83	15.87	16.70	16.31	16.43	16.45	17.40	21.09	21.15	21.04	22.00
3GPP Ref #6	HSDPA Subtest-4	15.66	15.87	15.86	16.70	16.31	16.46	16.47	17.40	21.00	21.19	21.09	22.00
3GPP Ref #8	DC-HSDPA Subtest-1	16.33	16.36	16.35	17.20	16.81	16.91	16.92	17.80	21.59	21.69	21.66	22.50
3GPP Ref #8	DC-HSDPA Subtest-2	16.35	16.46	16.11	17.20	16.91	17.10	16.83	17.80	21.66	21.73	21.51	22.50
3GPP Ref #8	DC-HSDPA Subtest-3	15.83	15.69	15.72	16.70	16.44	16.27	16.41	17.40	20.97	21.15	21.15	22.00
3GPP Ref #8	DC-HSDPA Subtest-4	15.66	15.80	15.80	16.70	16.32	16.38	16.38	17.40	21.12	21.16	21.06	22.00
3GPP Ref #6	HSUPA Subtest-1	16.41	16.35	16.34	17.20	16.95	16.84	17.02	17.80	21.53	21.53	21.44	22.50
3GPP Ref #6	HSUPA Subtest-2	14.13	14.45	14.43	15.20	14.72	14.92	15.01	15.90	19.67	19.66	19.68	20.50
3GPP Ref #6	HSUPA Subtest-3	15.26	15.32	15.36	16.20	15.76	15.86	15.94	16.90	20.58	20.62	20.77	21.50
3GPP Ref #6	HSUPA Subtest-4	15.20	15.30	15.29	15.20	14.80	14.92	14.93	15.90	19.65	19.65	19.68	20.50
3GPP Ref #6	HSUPA Subtest-5	16.19	16.29	16.29	17.20	16.79	16.85	17.02	17.80	21.50	21.69	21.66	22.50



Band 2 Ant 1 DS13										
BW (MHz)	Modulation	RB Size (MHz)	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	Turn-off (dB)	APR (dB)	APR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.74	16.15	16.11				
20	QPSK	1	49	16.06	16.05	16.03	17.5	0		
20	QPSK	50	0	16.06	16.13	16.05				
20	QPSK	50	24	16.06	16.12	16.04				
20	QPSK	50	50	16.09	16.05	16.10	17.5	0		
20	QPSK	100	0	16.08	16.11	16.09				
20	HQAM	1	0	15.97	15.99	15.97				
20	HQAM	1	49	15.97	15.99	15.96	17.5	0		
20	HQAM	1	99	16.01	16.04	16.04				
20	HQAM	50	0	16.02	16.00	16.11				
20	HQAM	50	24	16.10	16.05	16.02	17.5	0		
20	HQAM	50	50	16.09	16.07	16.06				
20	HQAM	100	0	15.98	16.01	16.06				
20	HQAM	1	49	16.07	16.05	16.02	17.5	0		
20	HQAM	50	0	15.96	16.03	16.04				
20	HQAM	50	24	16.02	16.10	16.09	17.5	0		
20	HQAM	50	50	15.96	16.07	16.09				
20	HQAM	100	0	15.99	16.06	16.09				
20	HQAM	1	49	15.97	16.06	16.08	17.5	0		
20	SSBAM	1	99	15.96	15.98	16.08				
20	SSBAM	50	0	15.99	16.01	16.07				
20	SSBAM	50	24	16.09	16.05	16.09	17.5	0		
20	SSBAM	50	50	15.97	16.07	16.01				
20	SSBAM	100	0	16.07	16.00	16.12				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.88	16.01	16.05				
15	QPSK	1	49	15.84	16.03	16.09	17.5	0		
15	QPSK	1	74	15.88	16.00	16.09				
15	QPSK	36	0	15.88	15.88	15.88				
15	QPSK	36	18	15.84	15.91	15.87				
15	QPSK	36	36	15.86	15.88	15.88	17.5	0		
15	HQAM	1	0	15.91	15.99	16.04				
15	HQAM	1	49	15.96	16.01	16.08	17.5	0		
15	HQAM	1	99	15.96	16.00	16.09				
15	HQAM	36	0	15.87	15.88	15.88				
15	HQAM	36	18	15.84	15.91	15.84	17.5	0		
15	HQAM	36	36	15.86	15.88	15.88				
15	HQAM	75	0	15.92	16.00	16.09				
15	HQAM	75	0	15.98	16.00	16.09	17.5	0		
15	HQAM	1	0	15.92	16.00	16.04				
15	HQAM	1	49	15.93	16.01	16.08	17.5	0		
15	HQAM	1	74	15.93	16.01	16.08				
15	HQAM	36	0	15.95	15.95	15.88				
15	HQAM	36	18	15.93	15.93	15.88	17.5	0		
15	HQAM	36	36	15.95	16.02	16.00				
15	HQAM	75	0	15.97	16.03	16.08				
15	SSBAM	1	99	15.97	16.00	16.09	17.5	0		
15	SSBAM	1	74	15.99	16.04	16.06				
15	SSBAM	36	0	15.99	16.02	16.04				
15	SSBAM	36	18	15.95	15.97	16.04	17.5	0		
15	SSBAM	36	36	15.88	15.88	16.02				
15	SSBAM	75	0	16.00	16.00	16.09				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.86	15.90	15.95				
10	QPSK	1	25	15.86	15.95	15.93	17.5	0		
10	QPSK	1	49	15.91	15.95	15.91				
10	QPSK	12	0	15.86	15.92	16.06				
10	QPSK	12	13	15.88	16.02	16.02	17.5	0		
10	QPSK	25	0	15.93	16.00	16.04				
10	QPSK	25	12	15.88	16.02	16.02				
10	HQAM	1	0	15.97	16.09	16.02				
10	HQAM	1	25	15.96	16.08	16.00	17.5	0		
10	HQAM	1	49	15.96	16.01	16.09				
10	HQAM	12	0	15.94	16.03	16.09				
10	HQAM	12	13	15.90	16.08	16.03	17.5	0		
10	HQAM	25	0	15.99	16.04	16.09				
10	HQAM	25	12	15.93	16.09	16.07				
10	HQAM	50	0	15.93	16.09	16.07				
10	HQAM	1	0	15.85	16.08	16.00	17.5	0		
10	HQAM	1	24	15.93	16.05	16.09				
10	HQAM	1	49	15.96	16.08	16.05				
10	HQAM	25	0	15.95	16.08	16.04	17.5	0		
10	HQAM	25	12	15.85	16.07	16.02				
10	HQAM	50	0	15.97	16.07	16.01				
10	SSBAM	1	99	15.93	16.05	16.02	17.5	0		
10	SSBAM	1	25	15.85	16.02	16.06				
10	SSBAM	12	0	15.85	16.08	16.09				
10	SSBAM	12	13	15.86	16.03	16.08	17.5	0		
10	SSBAM	25	0	15.96	16.03	16.08				
10	SSBAM	25	12	15.94	16.09	16.09				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.82	15.82	15.82				
5	QPSK	1	12	15.85	15.92	16.00	17.5	0		
5	QPSK	1	24	15.88	15.94	16.09				
5	QPSK	12	0	15.86	15.92	16.00				
5	QPSK	12	7	15.80	15.90	16.00	17.5	0		
5	QPSK	12	13	15.85	16.08	16.01				
5	QPSK	25	0	15.96	16.08	16.06				
5	HQAM	1	0	15.94	16.06	16.08				
5	HQAM	1	12	15.98	16.05	16.00	17.5	0		
5	HQAM	1	24	15.94	16.05	16.09				
5	HQAM	12	0	15.92	16.08	16.06				
5	HQAM	12	7	15.90	16.08	16.03	17.5	0		
5	HQAM	12	13	15.96	16.09	16.03				
5	HQAM	25	0	15.96	16.06	16.08				
5	HQAM	1	0	15.90	16.03	16.00	17.5	0		
5	HQAM	1	12	15.94	16.07	16.09				
5	HQAM	1	24	15.90	16.05	16.09				
5	HQAM	12	0	15.90	16.02	16.02	17.5	0		
5	HQAM	12	13	15.92	16.07	16.07				
5	HQAM	25	0	15.98	16.00	16.04				
5	HQAM	25	12	15.90	16.02	16.04	17.5	0		
5	SSBAM	1	99	15.96	16.05	16.09	17.5	0		
5	SSBAM	1	12	15.96	16.05	16.09				
5	SSBAM	12	0	15.90	16.09	16.09				
5	SSBAM	12	7	15.96	16.05	16.09	17.5	0		
5	SSBAM	25	0	15.96	16.08	16.08				
5	SSBAM	25	12	15.90	16.09	16.09				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.91	15.97	15.91				
1.4	QPSK	1	8	15.89	15.90	15.92	17.5	0		
1.4	QPSK	1	14	15.96	15.92	15.95				
1.4	QPSK	8	0	15.90	16.00	16.00				
1.4	QPSK	8	7	15.97	16.09	16.02	17.5	0		
1.4	QPSK	15	0	15.92	16.05	16.09				
1.4	HQAM	1	0	15.87	16.08	16.08				
1.4	HQAM	1	8	15.91	16.02	16.07	17.5	0		
1.4	HQAM	14	0	15.90	16.02	16.07				
1.4	HQAM	8	0	15.87	16.08	16.05				
1.4	HQAM	8	4	15.85	16.04	16.09	17.5	0		
1.4	HQAM	15	0	15.91	16.00	16.09				
1.4	HQAM	8	7	15.98	16.05	16.08	17.5	0		
1.4	HQAM	1	0	15.97	16.05	16.08				
1.4	HQAM	8	4	15.97	16.07	16.08	17.5	0		
1.4	HQAM	1	14	15.98	16.01	16.05				
1.4	HQAM	8	7	15.96	16.09	16.09				
1.4	SSBAM	1	99	15.96	16.05	16.09	17.5	0		
1.4	SSBAM	1	8	15.96	16.04	16.08				
1.4	SSBAM	8	0	16.00	16.03	16.09				
1.4	SSBAM	8	4	15.89	16.01	16.02	17.5	0		
1.4	SSBAM	15	0	15.90	16.09	16.09				
1.4	SSBAM	15	0	15.85	16.00					



Band 12 Ant 1 DS13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.50	22.48				
10	QPSK	1	25	22.31	22.32	22.40	24	0		
10	QPSK	1	49	22.42	22.31	22.40				
10	QPSK	25	0	21.42	21.56	21.55				
10	QPSK	25	12	21.41	21.52	21.41	23	1		
10	QPSK	25	25	21.43	21.33	21.38				
10	QPSK	50	0	21.46	21.53	21.50				
10	16QAM	1	0	21.55	21.52	21.53	16QAM			
10	16QAM	1	25	21.38	21.45	21.39	23	1		
10	16QAM	1	49	21.47	21.43	21.46				
10	16QAM	25	0	20.59	20.39	20.30	16QAM			
10	16QAM	25	12	20.59	20.58	20.31	22	2		
10	16QAM	25	25	20.42	20.44	20.50				
10	16QAM	50	0	20.42	20.55	20.57				
10	16QAM	1	0	20.42	20.34	20.40				
10	16QAM	1	25	20.45	20.42	20.26	22	2		
10	16QAM	1	49	20.49	20.45	20.45				
10	16QAM	25	0	19.41	19.43	19.54				
10	16QAM	25	12	19.56	19.42	19.27	21	3		
10	16QAM	25	25	19.59	19.35	19.52				
10	16QAM	50	0	19.47	19.43	19.35				
10	16QAM	1	0	17.62	17.51	17.51				
10	256QAM	1	25	17.43	17.50	17.61	19	5		
10	256QAM	1	49	17.45	17.37	17.44				
10	256QAM	25	0	17.45	17.52	17.52				
10	256QAM	25	12	17.61	17.50	17.52	19	5		
10	256QAM	25	25	17.38	17.57	17.49				
10	256QAM	50	0	17.42	17.43	17.42				
Channel										
Frequency (MHz)										
9	QPSK	1	0	22.42	22.41	22.27				
9	QPSK	1	24	22.41	22.20	22.37	24	0		
9	QPSK	12	0	21.38	21.58	21.45				
9	QPSK	12	7	21.41	21.52	21.35	23	1		
9	QPSK	12	13	21.41	21.49	21.32				
9	QPSK	25	0	21.46	21.52	21.47				
9	16QAM	1	0	21.51	21.48	21.44	23	1		
9	16QAM	1	12	21.30	21.37	21.42				
9	16QAM	1	25	21.41	21.41	21.41				
9	16QAM	12	0	20.51	20.31	20.30	22	2		
9	16QAM	12	7	20.53	20.40	20.31				
9	16QAM	25	0	20.42	20.57	20.45				
9	16QAM	1	0	20.39	20.39	20.30	22	2		
9	16QAM	1	24	20.45	20.47	20.30				
9	16QAM	12	0	19.42	19.44	19.49				
9	16QAM	12	7	19.45	19.36	19.33	21	3		
9	16QAM	12	13	19.43	19.36	19.57				
9	16QAM	25	0	19.48	19.35	19.25				
9	256QAM	1	0	17.59	17.48	17.55	19	5		
9	256QAM	1	24	17.34	17.33	17.27				
9	256QAM	12	0	17.46	17.36	17.44				
9	256QAM	12	7	17.46	17.37	17.41	19	5		
9	256QAM	12	13	17.36	17.41	17.29				
9	256QAM	25	0	17.41	17.33	17.47				
Channel										
Frequency (MHz)										
8	QPSK	1	0	22.45	22.41	22.27				
8	QPSK	1	14	22.46	22.31	22.31	24	0		
8	QPSK	8	0	21.46	21.56	21.47				
8	QPSK	8	4	21.39	21.51	21.34	23	1		
8	QPSK	8	7	21.49	21.35	21.48				
8	QPSK	16	0	21.46	21.46	21.46				
8	16QAM	1	0	21.20	21.38	21.30	23	1		
8	16QAM	1	8	21.34	21.44	21.41				
8	16QAM	1	14	21.35	21.45	21.45				
8	16QAM	8	0	20.53	20.37	20.30	22	2		
8	16QAM	8	4	20.36	20.47	20.28				
8	16QAM	16	0	20.41	20.46	20.42				
8	16QAM	1	0	20.42	20.42	20.43	22	2		
8	16QAM	8	8	20.33	20.45	20.30				
8	16QAM	1	14	20.45	20.50	20.34				
8	16QAM	8	0	19.43	19.44	19.35				
8	16QAM	8	4	19.50	19.38	19.35	21	3		
8	16QAM	8	7	19.49	19.31	19.49				
8	16QAM	16	0	19.54	19.40	19.20				
8	256QAM	1	0	17.53	17.48	17.34	19	5		
8	256QAM	1	8	17.39	17.51	17.45				
8	256QAM	1	14	17.34	17.34	17.45				
8	256QAM	8	0	17.57	17.47	17.52	19	5		
8	256QAM	8	7	17.48	17.51	17.38				
8	256QAM	16	0	17.41	17.30	17.45				
Channel										
Frequency (MHz)										
14	QPSK	1	0	22.45	22.52	22.45				
14	QPSK	1	3	22.26	22.35	22.14	24	0		
14	QPSK	1	5	22.42	22.26	22.39				
14	QPSK	3	0	22.27	22.34	22.44				
14	QPSK	3	1	22.41	22.33	22.32				
14	QPSK	3	3	22.47	22.37	22.43	23	1		
14	16QAM	1	0	21.36	21.36	21.37				
14	16QAM	1	0	21.42	21.48	21.23				
14	16QAM	1	3	21.39	21.31	21.27	23	1		
14	16QAM	1	5	21.27	21.38	21.36				
14	16QAM	3	0	21.31	21.48	21.28				
14	16QAM	3	1	21.45	21.47	21.28				
14	16QAM	3	3	21.31	21.48	21.41				
14	16QAM	6	0	20.33	20.40	20.37	22	2		
14	16QAM	1	0	20.55	20.43	20.50				
14	16QAM	3	0	20.37	20.38	20.38				
14	16QAM	1	5	20.41	20.40	20.39	22	2		
14	16QAM	3	0	20.40	20.37	20.40				
14	16QAM	3	1	20.58	20.36	20.32				
14	16QAM	3	3	20.47	20.32	20.42	21	3		
14	16QAM	6	0	19.46	19.33	19.34				
14	256QAM	1	0	17.40	17.51	17.26	19	5		
14	256QAM	1	3	17.42	17.51	17.52				
14	256QAM	3	1	17.50	17.45	17.25				
14	256QAM	3	3	17.42	17.57	17.26	19	5		
14	256QAM	6	0	17.59	17.36	17.56				

Band 13 Ant 1 DS13 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.48	22.48				
10	16QAM	1	25	22.43	22.43	22.43	24	0		
10	16QAM	1	49	22.32	22.32	22.32				
10	16QAM	25	0	21.54	21.54	21.54				
10	16QAM	25	12	21.48	21.48	21.48	23	1		
10	16QAM	25	25	21.32	21.32	21.32				
10	16QAM	50	0	21.51	21.47	21.47				
10	16QAM	1	25	21.45	21.45	21.45	23	1		
10	16QAM	1	49	21.39	21.39	21.39				
10	16QAM	25	12	20.51	20.51	20.51	22	2		
10	16QAM	25	25	20.45	20.45	20.45				
10	16QAM	50	0	20.58	20.58	20.58				
10	16QAM	1	0	20.30	20.30	20.30				
10	16QAM	1	25	20.46	20.46	20.46	22	2		
10	16QAM	1	49	20.41	20.41	20.41				
10	16QAM	25	0	19.47	19.47	19.47				
10	16QAM	25	12	19.36	19.36	19.36	21	3		
10	16QAM	25	25	19.38	19.38	19.38				
10	16QAM	50	0	19.45	19.45	19.45				
10	256QAM	1	25	17.54	17.54	17.54	19	5		
10	256QAM	1	49	17.42	17.42	17.42				
10	256QAM	25	12	17.45	17.45	17.45	19	5		
10	256QAM	25	25	1						



Band 25 Ant 1 DSI3										
BW (MHz)	Modulat (MHz)	RB Size	RB Offset	Power Low Ch./Freq.	Power Mediu Ch./Freq.	Power High Ch./Freq.	Turnup (dB)	APR (dB)		
Channel										
				1860	1888	1905				
20	OPSR	1	0	18.15	18.17	18.11				
20	OPSR	1	8	18.15	18.17	18.11	17.5	0		
20	OPSR	1	16	18.16	18.11	18.16				
20	OPSR	50	0	18.12	18.15	18.13				
20	OPSR	50	24	18.12	18.15	18.13	17.5	0		
20	OPSR	50	50	18.03	18.08	18.06				
20	OPSR	100	0	18.08	18.14	18.08				
20	HOAM	1	0	18.03	18.01	18.05	17.5	0		
20	HOAM	1	49	18.08	18.00	18.03				
20	HOAM	1	99	18.08	18.07	18.08				
20	HOAM	50	0	18.02	18.02	18.01	17.5	0		
20	HOAM	50	24	18.07	18.09	18.07				
20	HOAM	50	50	18.10	18.04	18.08				
20	HOAM	100	0	18.02	18.09	18.07	17.5	0		
20	HOAM	1	0	18.04	18.11	18.08				
20	HOAM	1	49	18.08	18.05	18.06	17.5	0		
20	HOAM	1	99	18.02	18.09	18.06				
20	HOAM	50	24	18.05	18.04	18.05	17.5	0		
20	HOAM	50	50	18.00	18.00	18.01				
20	HOAM	100	0	18.05	18.00	18.00	17.5	0		
20	HOAM	1	49	18.06	18.04	18.08	17.5	0		
20	HOAM	1	99	18.04	18.03	18.07				
20	HOAM	50	24	18.07	18.06	18.06	17.5	0		
20	HOAM	50	50	18.07	18.08	18.05				
20	HOAM	100	0	18.02	18.04	18.04	17.5	0		
Channel										
				26115	26180	26615				
Frequency (MHz)										
				1927.5	1982	1927.5				
15	OPSR	1	0	19.33	19.31	19.38				
15	OPSR	1	8	19.29	19.34	19.30	17.5	0		
15	OPSR	1	16	19.32	19.32	19.34				
15	OPSR	36	0	19.39	19.39	19.34				
15	OPSR	36	20	19.31	19.39	19.32	17.5	0		
15	OPSR	36	36	19.39	19.31	19.35				
15	HOAM	1	0	19.38	19.37	19.38	17.5	0		
15	HOAM	1	37	19.30	19.38	19.30				
15	HOAM	1	74	19.37	19.37	19.31	17.5	0		
15	HOAM	36	20	19.35	19.30	19.30				
15	HOAM	36	20	19.31	19.35	19.38	17.5	0		
15	HOAM	50	0	19.34	19.37	19.37				
15	HOAM	50	24	19.34	19.39	19.37	17.5	0		
15	HOAM	100	0	19.34	19.39	19.39	17.5	0		
Channel										
				26115	26180	26615				
Frequency (MHz)										
				1927.5	1982	1927.5				
15	OPSR	1	0	19.33	19.31	19.38				
15	OPSR	1	8	19.29	19.34	19.30	17.5	0		
15	OPSR	1	16	19.32	19.32	19.34				
15	OPSR	36	0	19.39	19.39	19.34				
15	OPSR	36	20	19.31	19.39	19.32	17.5	0		
15	OPSR	36	36	19.39	19.31	19.35				
15	HOAM	1	0	19.38	19.37	19.38	17.5	0		
15	HOAM	1	37	19.30	19.38	19.30				
15	HOAM	1	74	19.37	19.37	19.31	17.5	0		
15	HOAM	36	20	19.35	19.30	19.30				
15	HOAM	36	20	19.31	19.35	19.38	17.5	0		
15	HOAM	50	0	19.34	19.37	19.37				
15	HOAM	50	24	19.34	19.39	19.37	17.5	0		
15	HOAM	100	0	19.34	19.39	19.39	17.5	0		
Channel										
				26115	26180	26615				
Frequency (MHz)										
				1927.5	1982	1927.5				
15	OPSR	1	0	19.33	19.31	19.38				
15	OPSR	1	8	19.29	19.34	19.30	17.5	0		
15	OPSR	1	16	19.32	19.32	19.34				
15	OPSR	36	0	19.39	19.39	19.34				
15	OPSR	36	20	19.31	19.39	19.32	17.5	0		
15	OPSR	36	36	19.39	19.31	19.35				
15	HOAM	1	0	19.38	19.37	19.38	17.5	0		
15	HOAM	1	37	19.30	19.38	19.30				
15	HOAM	1	74	19.37	19.37	19.31	17.5	0		
15	HOAM	36	20	19.35	19.30	19.30				
15	HOAM	36	20	19.31	19.35	19.38	17.5	0		
15	HOAM	50	0	19.34	19.37	19.37				
15	HOAM	50	24	19.34	19.39	19.37	17.5	0		
15	HOAM	100	0	19.34	19.39	19.39	17.5	0		

Band 26 Ant 1 DSI3										
BW (MHz)	Modulat (MHz)	RB Size	RB Offset	Power Low Ch./Freq.	Power Mediu Ch./Freq.	Power High Ch./Freq.	Turnup (dB)	APR (dB)		
Channel										
				821.8	831.5	841.8				
15	OPSR	1	0	22.42	22.54	22.51				
15	OPSR	1	37	22.47	22.41	22.43	23.4	0		
15	OPSR	1	74	22.53	22.23	22.38				
15	OPSR	36	0	21.49	21.52	21.46				
15	OPSR	36	20	21.48	21.44	21.39	23.4	0.4		
15	OPSR	36	36	21.44	21.34	21.40				
15	OPSR	75	0	21.52	21.55	21.53				
15	HOAM	1	0	21.48	21.41	21.39	23.4	0.4		
15	HOAM	1	37	21.43	21.45	21.41				
15	HOAM	1	74	21.46	21.43	21.50				
15	HOAM	36	0	20.49	20.56	20.58	22	1.4		
15	HOAM	36	20	20.42	20.53	20.33				
15	HOAM	36	36	20.47	20.44	20.39				
15	HOAM	75	0	20.59	20.59	20.59	22	1.4		
15	HOAM	1	0	20.50	20.38	20.42				
15	HOAM	1	37	20.38	20.52	20.40	22	1.4		
15	HOAM	1	74	20.46	20.36	20.38				
15	HOAM	36	20	19.44	19.43	19.38	21	2.4		
15	HOAM	36	36	19.48	19.48	19.48				
15	HOAM	75	0	19.47	19.37	19.35				
15	SSOAM	1	0	17.54	17.52	17.62	19	4.4		
15	SSOAM	1	74	17.47	17.39	17.51				
15	SSOAM	1	147	17.58	17.41	17.53	19	4.4		
15	SSOAM	36	20	17.57	17.44	17.50				
15	SSOAM	36	36	17.47	17.46	17.34	19	4.4		
15	SSOAM	75	0	17.52	17.50	17.52	19	4.4		
Channel										
				819	831.5	844				
Frequency (MHz)										
				2242	2244	2241				
15	OPSR	1	0	22.42	22.44	22.41				
15	OPSR	1	37	22.47	22.41	22.43	23.4	0		
15	OPSR	1	74	22.53	22.27	22.35				
15	OPSR	36	0	21.52	21.53	21.41				
15	OPSR	36	20	21.48	21.44	21.39	23.4	0.4		
15	OPSR	36	36	21.49	21.25	21.39				
15	HOAM	1	0	21.48	21.43	21.34	23.4	0.4		
15	HOAM	1	37	21.43	21.44	21.39				
15	HOAM	1	74	21.46	21.43	21.50				
15	HOAM	36	20	20.52	20.40	20.25	22	1.4		
15	HOAM	36	20	20.44	20.41	20.27				
15	HOAM	36	36	20.46	20.36	20.33	22	1.4		
15	HOAM	50	0	20.40	20.34	20.37				
15	HOAM	50	24	20.46	20.39	20.38	22	1.4		
15	HOAM	100	0	20.40	20.49	20.38	22	1.4		
15	HOAM	1	0	19.38	19.39	19.38				
15	HOAM	1	37	19.38	19.38	19.38	21	2.4		
15	HOAM	1	74	19.38	19.38	19.38				
15	HOAM	36	20	19.37	19.27	19.25	21	2.4		
15	HOAM	36	36	19.49	19.40	19.25				
15	HOAM	50	0	19.43	19.41	19.33	19	4.4		
15	HOAM	50	24	19.41	19.41	19.33				
15	HOAM	100	0	19.41	19.41	19.33	19	4.4		
15	SSOAM	1</								



Band 38 Ant 1 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				38750	38800	38150				
Frequency (MHz)										
20	QPSK	1	0	21.37	21.44	21.43				
20	QPSK	1	49	21.24	21.42	21.24		22.6	0	
20	QPSK	1	99	21.35	21.32	21.20				
20	QPSK	50	0	21.30	21.40	21.42				
20	QPSK	50	24	21.30	21.40	21.31				
20	QPSK	50	50	21.24	21.41	21.24		22.6	0	
20	QPSK	100	0	21.36	21.41	21.38				
20	HQAM	1	0	21.25	21.31	21.19				
20	HQAM	1	49	21.37	21.43	21.30		22.6	0	
20	HQAM	1	99	21.23	21.38	21.23				
20	HQAM	50	0	21.01	20.88	20.72				
20	HQAM	50	24	20.85	20.92	20.82		22	0.6	
20	HQAM	50	50	20.78	20.83	21.05				
20	HQAM	100	0	20.89	21.01	20.92				
20	HQAM	1	0	20.83	20.81	20.81				
20	HQAM	1	49	20.82	20.90	20.78		22	0.6	
20	HQAM	1	99	20.77	20.84	20.84				
20	HQAM	50	0	19.87	19.79	19.87				
20	HQAM	50	24	19.98	19.88	19.84		21	1.6	
20	HQAM	50	50	19.88	19.87	19.82				
20	HQAM	100	0	19.89	19.82	19.73				
20	SSBQAM	1	0	18.03	18.01	17.79				
20	SSBQAM	1	49	17.92	17.92	18.07		19	3.6	
20	SSBQAM	1	99	17.76	17.77	17.86				
20	SSBQAM	50	0	17.77	17.79	17.94				
20	SSBQAM	50	24	17.67	17.92	17.87		19	3.6	
20	SSBQAM	50	50	17.62	17.84	17.86				
20	SSBQAM	100	0	17.62	17.85	18.03				
Channel										
				38755	38800	38175		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
15	QPSK	1	0	21.29	21.29	21.19				
15	QPSK	1	49	21.32	21.32	21.26		22.6	0	
15	QPSK	1	74	21.31	21.28	21.33				
15	QPSK	36	0	21.37	21.32	21.21				
15	QPSK	36	20	21.36	21.31	21.21		22.6	0	
15	QPSK	36	39	20.77	20.79	20.86				
15	QPSK	75	0	21.38	21.29	21.21				
15	HQAM	1	0	21.35	21.40	21.27				
15	HQAM	1	37	21.31	21.33	21.20		22.6	0	
15	HQAM	1	74	21.27	21.32	21.26				
15	HQAM	36	0	20.98	20.79	20.61				
15	HQAM	36	20	20.74	20.86	20.67		22	0.6	
15	HQAM	36	39	20.77	20.71	20.86				
15	HQAM	75	0	20.77	20.83	20.77				
15	HQAM	36	39	20.72	20.89	20.64		22	0.6	
15	HQAM	1	0	20.80	20.88	20.70				
15	HQAM	1	37	20.80	20.88	20.70				
15	HQAM	36	20	19.85	19.86	19.85		21	1.6	
15	HQAM	36	39	19.87	19.79	19.87				
15	HQAM	75	0	19.87	19.79	19.89				
15	SSBQAM	1	0	17.96	17.94	17.79				
15	SSBQAM	1	37	17.83	17.91	18.00		19	3.6	
15	SSBQAM	36	0	17.83	17.85	17.96				
15	SSBQAM	36	20	17.80	17.75	17.93		19	3.6	
15	SSBQAM	36	39	17.78	17.83	17.76				
15	SSBQAM	75	0	17.81	17.75	17.99				
Channel										
				2575	2595	2615		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
10	QPSK	1	0	21.37	21.30	21.29				
10	QPSK	1	25	21.32	21.43	21.24		22.6	0	
10	QPSK	1	49	21.29	21.29	21.26				
10	QPSK	25	0	21.32	21.38	21.28				
10	QPSK	25	12	21.37	21.29	21.31		22.6	0	
10	QPSK	25	25	21.29	21.37	21.32				
10	QPSK	50	0	21.34	21.40	21.33				
10	HQAM	1	0	21.30	21.30	21.19				
10	HQAM	1	25	21.28	21.41	21.28		22.6	0	
10	HQAM	1	49	21.34	21.35	21.24				
10	HQAM	25	0	20.89	20.77	20.71				
10	HQAM	25	12	20.76	20.92	20.68		22	0.6	
10	HQAM	25	25	20.64	20.85	20.85				
10	HQAM	50	0	20.80	20.95	20.70				
10	HQAM	1	0	20.88	20.76	20.76		22	0.6	
10	HQAM	1	25	20.80	20.78	20.75				
10	HQAM	25	0	19.83	19.74	19.89				
10	HQAM	25	12	19.84	19.81	19.81		21	1.6	
10	HQAM	25	25	19.86	19.80	19.85				
10	HQAM	50	0	19.88	19.78	19.81				
10	HQAM	50	0	17.95	17.98	17.84				
10	SSBQAM	1	25	17.87	17.90	18.01		19	3.6	
10	SSBQAM	1	49	17.88	17.72	17.81				
10	SSBQAM	25	0	17.84	17.80	17.82				
10	SSBQAM	25	12	17.85	17.76	17.89		19	3.6	
10	SSBQAM	25	25	17.80	17.84	17.70				
10	SSBQAM	50	0	17.82	17.84	18.00				
Channel										
				3775	3800	3825		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
5	QPSK	1	0	21.36	21.28	21.25				
5	QPSK	1	12	21.33	21.32	21.19		22.6	0	
5	QPSK	1	24	21.31	21.28	21.21				
5	QPSK	12	0	21.28	21.30	21.31				
5	QPSK	12	7	21.24	21.32	21.31		22.6	0	
5	QPSK	12	13	21.29	21.42	21.32				
5	QPSK	25	0	21.29	21.33	21.20				
5	HQAM	1	0	21.30	21.29	21.21				
5	HQAM	1	12	21.27	21.38	21.22		22.6	0	
5	HQAM	1	24	21.31	21.43	21.32				
5	HQAM	12	0	20.82	20.75	20.74				
5	HQAM	12	7	20.73	20.77	20.79		22	0.6	
5	HQAM	12	13	20.82	20.73	20.96				
5	HQAM	25	0	20.67	20.86	20.91				
5	HQAM	1	0	20.90	20.70	20.81		22	0.6	
5	HQAM	1	12	20.70	20.74	20.70				
5	HQAM	1	24	20.85	20.89	20.70				
5	HQAM	12	0	19.79	19.83	19.86		21	1.6	
5	HQAM	12	13	19.85	19.79	19.89				
5	HQAM	25	0	19.90	19.71	19.64				
5	SSBQAM	1	0	17.91	17.88	17.79		19	3.6	
5	SSBQAM	1	12	17.91	17.86	17.86				
5	SSBQAM	1	24	17.75	17.81	17.83				
5	SSBQAM	12	0	17.71	17.76	17.62				
5	SSBQAM	12	7	17.90	17.78	17.85		19	3.6	
5	SSBQAM	12	13	17.81	17.80	17.79				

Band 41 Ant 1 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)										
20	QPSK	1	0	21.31	21.35	21.38	21.33	21.29		
20	QPSK	1	49	21.20	21.32	21.26	21.26	21.23	22.6	0
20	QPSK	1	99	21.22	21.34	21.31	21.32	21.32		
20	QPSK	50	0	21.32	21.35	21.32	21.29	21.29		
20	QPSK	50	24	21.22	21.33	21.29	21.30	21.31		
20	QPSK	50	50	21.32	21.27	21.20	21.31	21.36	22.6	0
20	QPSK	100	0	21.28	21.31	21.35	21.33	21.29		
20	HQAM	1	0	21.27	21.29	21.26	21.24	21.27		
20	HQAM	1	49	21.33	21.30	21.32	21.30	21.30	22.6	0
20	HQAM	1	99	21.28	21.23	21.20	21.33	21.31		
20	HQAM	50	0	20.70	20.69	20.44	20.67	20.67		
20	HQAM	50	24	20.65	20.72	20.81	20.69	20.69	22	0.6
20	HQAM	50	50	20.53	20.67					



GSM1900 Ant 2 DSS3

GSM1900 Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1863	1869.8		1852.2	1863	1869.8	
GSM 1 Tx slot	28.60	29.98	29.60	30.50	19.60	20.98	20.60	21.50
GPRS 1 Tx slot	28.65	30.03	29.65	30.50	19.65	21.03	20.65	21.50
GPRS 2 Tx slot	28.55	27.81	27.71	28.50	20.55	21.87	21.71	22.50
GPRS 3 Tx slot	28.01	28.18	28.12	27.20	20.75	21.93	21.86	22.74
GPRS 4 Tx slot	23.51	24.55	24.28	25.50	20.51	21.55	21.28	22.50
EDGE 1 Tx slot	24.74	25.69	26.07	26.50	15.74	16.69	17.07	17.50
EDGE 2 Tx slot	23.58	24.55	24.95	25.50	17.58	18.55	18.93	19.50
EDGE 3 Tx slot	22.00	23.18	23.34	24.00	17.74	18.90	19.08	19.74
EDGE 4 Tx slot	20.52	21.58	21.77	22.50	17.52	18.58	18.77	19.50

WCDMA II Ant 2 DSS3

WCDMA IV Ant 2 DSS3

Band	WCDMA II Ant 2			Tune-up Limit (dBm)	WCDMA IV Ant 2			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513	
TX Channel	9282	9400	9538		1312	1413	1513	
RX Channel	9652	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1723.6	1723.6	
3GPP Rel 99 AMR 12.2Kbps	20.34	20.40	20.42	21.10	19.40	19.58	19.45	20.20
3GPP Rel 99 RMC 12.2Kbps	20.45	20.45	20.42	21.10	19.44	19.45	19.40	20.20
3GPP Rel 6 HSDPA Subtest 1	19.28	19.42	19.52	20.10	18.33	18.47	18.50	19.20
3GPP Rel 6 HSDPA Subtest 2	19.35	19.45	19.45	20.10	18.44	18.41	18.41	19.20
3GPP Rel 6 HSDPA Subtest 3	18.75	18.90	18.80	19.60	17.87	17.93	17.86	18.70
3GPP Rel 6 HSDPA Subtest 4	18.83	18.95	18.81	19.60	17.80	17.98	17.90	18.70
3GPP Rel 6 DC-HSDPA Subtest 1	19.32	19.51	19.50	20.10	18.36	18.40	18.36	19.20
3GPP Rel 6 DC-HSDPA Subtest 2	19.45	19.52	19.25	20.10	18.50	18.57	18.35	19.20
3GPP Rel 6 DC-HSDPA Subtest 3	18.80	18.88	18.94	19.60	17.74	17.90	18.05	18.70
3GPP Rel 6 DC-HSDPA Subtest 4	18.86	18.98	18.75	19.60	17.69	17.82	17.84	18.70
3GPP Rel 6 HSUPA Subtest 1	19.41	19.45	19.41	20.10	18.43	18.43	18.37	19.20
3GPP Rel 6 HSUPA Subtest 2	17.36	17.45	17.55	18.10	16.35	16.57	16.46	17.20
3GPP Rel 6 HSUPA Subtest 3	18.33	18.45	18.53	19.10	17.49	17.51	17.50	18.20
3GPP Rel 6 HSUPA Subtest 4	17.37	17.40	17.43	18.10	16.38	16.42	16.56	17.20
3GPP Rel 6 HSUPA Subtest 5	19.45	19.51	19.57	20.10	18.38	18.51	18.57	19.20



Band 2 Ant 2 DS13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power High Ch./F.Freq.	Turnup (dB)	APRS (dB)
Channel: 18600 18600 18600							
20	QPSK	1	0	20.05	20.07	20.04	
20	QPSK	1	6	19.96	19.93	19.98	21.1
20	QPSK	1	12	20.02	20.03	20.01	
20	QPSK	1	18	19.96	19.93	19.98	21.1
20	QPSK	1	24	20.03	20.05	20.07	
20	QPSK	1	30	19.96	19.93	19.98	21.1
20	QPSK	1	36	20.01	20.02	20.05	
20	QPSK	1	42	19.96	19.93	19.98	21.1
20	QPSK	1	48	19.93	19.92	19.95	
20	QPSK	1	54	19.96	19.95	19.97	21.1
20	QPSK	1	60	20.01	20.02	20.05	
20	QPSK	1	66	19.96	19.93	19.98	21.1
20	QPSK	1	72	19.93	19.92	19.95	
20	QPSK	1	78	19.96	19.95	19.97	21.1
20	QPSK	1	84	20.01	20.02	20.05	
20	QPSK	1	90	19.96	19.93	19.98	21.1
20	QPSK	1	96	19.93	19.92	19.95	
20	QPSK	1	102	19.96	19.95	19.97	21.1
20	QPSK	1	108	20.01	20.02	20.05	
20	QPSK	1	114	19.96	19.93	19.98	21.1
20	QPSK	1	120	19.93	19.92	19.95	
20	QPSK	1	126	19.96	19.95	19.97	21.1
20	QPSK	1	132	20.01	20.02	20.05	
20	QPSK	1	138	19.96	19.93	19.98	21.1
20	QPSK	1	144	19.93	19.92	19.95	
20	QPSK	1	150	19.96	19.95	19.97	21.1
20	QPSK	1	156	20.01	20.02	20.05	
20	QPSK	1	162	19.96	19.93	19.98	21.1
20	QPSK	1	168	19.93	19.92	19.95	
20	QPSK	1	174	19.96	19.95	19.97	21.1
20	QPSK	1	180	20.01	20.02	20.05	
20	QPSK	1	186	19.96	19.93	19.98	21.1
20	QPSK	1	192	19.93	19.92	19.95	
20	QPSK	1	198	19.96	19.95	19.97	21.1
20	QPSK	1	204	20.01	20.02	20.05	
20	QPSK	1	210	19.96	19.93	19.98	21.1
20	QPSK	1	216	19.93	19.92	19.95	
20	QPSK	1	222	19.96	19.95	19.97	21.1
20	QPSK	1	228	20.01	20.02	20.05	
20	QPSK	1	234	19.96	19.93	19.98	21.1
20	QPSK	1	240	19.93	19.92	19.95	
20	QPSK	1	246	19.96	19.95	19.97	21.1
20	QPSK	1	252	20.01	20.02	20.05	
20	QPSK	1	258	19.96	19.93	19.98	21.1
20	QPSK	1	264	19.93	19.92	19.95	
20	QPSK	1	270	19.96	19.95	19.97	21.1
20	QPSK	1	276	20.01	20.02	20.05	
20	QPSK	1	282	19.96	19.93	19.98	21.1
20	QPSK	1	288	19.93	19.92	19.95	
20	QPSK	1	294	19.96	19.95	19.97	21.1
20	QPSK	1	300	20.01	20.02	20.05	
20	QPSK	1	306	19.96	19.93	19.98	21.1
20	QPSK	1	312	19.93	19.92	19.95	
20	QPSK	1	318	19.96	19.95	19.97	21.1
20	QPSK	1	324	20.01	20.02	20.05	
20	QPSK	1	330	19.96	19.93	19.98	21.1
20	QPSK	1	336	19.93	19.92	19.95	
20	QPSK	1	342	19.96	19.95	19.97	21.1
20	QPSK	1	348	20.01	20.02	20.05	
20	QPSK	1	354	19.96	19.93	19.98	21.1
20	QPSK	1	360	19.93	19.92	19.95	
20	QPSK	1	366	19.96	19.95	19.97	21.1
20	QPSK	1	372	20.01	20.02	20.05	
20	QPSK	1	378	19.96	19.93	19.98	21.1
20	QPSK	1	384	19.93	19.92	19.95	
20	QPSK	1	390	19.96	19.95	19.97	21.1
20	QPSK	1	396	20.01	20.02	20.05	
20	QPSK	1	402	19.96	19.93	19.98	21.1
20	QPSK	1	408	19.93	19.92	19.95	
20	QPSK	1	414	19.96	19.95	19.97	21.1
20	QPSK	1	420	20.01	20.02	20.05	
20	QPSK	1	426	19.96	19.93	19.98	21.1
20	QPSK	1	432	19.93	19.92	19.95	
20	QPSK	1	438	19.96	19.95	19.97	21.1
20	QPSK	1	444	20.01	20.02	20.05	
20	QPSK	1	450	19.96	19.93	19.98	21.1
20	QPSK	1	456	19.93	19.92	19.95	
20	QPSK	1	462	19.96	19.95	19.97	21.1
20	QPSK	1	468	20.01	20.02	20.05	
20	QPSK	1	474	19.96	19.93	19.98	21.1
20	QPSK	1	480	19.93	19.92	19.95	
20	QPSK	1	486	19.96	19.95	19.97	21.1
20	QPSK	1	492	20.01	20.02	20.05	
20	QPSK	1	498	19.96	19.93	19.98	21.1
20	QPSK	1	504	19.93	19.92	19.95	
20	QPSK	1	510	19.96	19.95	19.97	21.1
20	QPSK	1	516	20.01	20.02	20.05	
20	QPSK	1	522	19.96	19.93	19.98	21.1
20	QPSK	1	528	19.93	19.92	19.95	
20	QPSK	1	534	19.96	19.95	19.97	21.1
20	QPSK	1	540	20.01	20.02	20.05	
20	QPSK	1	546	19.96	19.93	19.98	21.1
20	QPSK	1	552	19.93	19.92	19.95	
20	QPSK	1	558	19.96	19.95	19.97	21.1
20	QPSK	1	564	20.01	20.02	20.05	
20	QPSK	1	570	19.96	19.93	19.98	21.1
20	QPSK	1	576	19.93	19.92	19.95	
20	QPSK	1	582	19.96	19.95	19.97	21.1
20	QPSK	1	588	20.01	20.02	20.05	
20	QPSK	1	594	19.96	19.93	19.98	21.1
20	QPSK	1	600	19.93	19.92	19.95	
20	QPSK	1	606	19.96	19.95	19.97	21.1
20	QPSK	1	612	20.01	20.02	20.05	
20	QPSK	1	618	19.96	19.93	19.98	21.1
20	QPSK	1	624	19.93	19.92	19.95	
20	QPSK	1	630	19.96	19.95	19.97	21.1
20	QPSK	1	636	20.01	20.02	20.05	
20	QPSK	1	642	19.96	19.93	19.98	21.1
20	QPSK	1	648	19.93	19.92	19.95	
20	QPSK	1	654	19.96	19.95	19.97	21.1
20	QPSK	1	660	20.01	20.02	20.05	
20	QPSK	1	666	19.96	19.93	19.98	21.1
20	QPSK	1	672	19.93	19.92	19.95	
20	QPSK	1	678	19.96	19.95	19.97	21.1
20	QPSK	1	684	20.01	20.02	20.05	
20	QPSK	1	690	19.96	19.93	19.98	21.1
20	QPSK	1	696	19.93	19.92	19.95	
20	QPSK	1	702	19.96	19.95	19.97	21.1
20	QPSK	1	708	20.01	20.02	20.05	
20	QPSK	1	714	19.96	19.93	19.98	21.1
20	QPSK	1	720	19.93	19.92	19.95	
20	QPSK	1	726	19.96	19.95	19.97	21.1
20	QPSK	1	732	20.01	20.02	20.05	
20	QPSK	1	738	19.96	19.93	19.98	21.1
20	QPSK	1	744	19.93	19.92	19.95	
20	QPSK	1	750	19.96	19.95	19.97	21.1
20	QPSK	1	756	20.01	20.02	20.05	
20	QPSK	1	762	19.96	19.93	19.98	21.1
20	QPSK	1	768	19.93	19.92	19.95	
20	QPSK	1	774	19.96	19.95	19.97	21.1
20	QPSK	1	780	20.01	20.02	20.05	
20	QPSK	1	786	19.96	19.93	19.98	21.1
20	QPSK	1	792	19.93	19.92	19.95	
20	QPSK	1	798	19.96	19.95	19.97	21.1
20	QPSK	1	804	20.01	20.02	20.05	
20	QPSK	1	810	19.96	19.93	19.98	21.1
20	QPSK	1	816	19.93	19.92	19.95	
20	QPSK	1	822	19.96	19.95	19.97	21.1
20	QPSK	1	828	20.01	20.02	20.05	
20	QPSK	1	834	19.96	19.93	19.98	21.1
20	QPSK	1	840	19.93	19.92	19.95	
20	QPSK	1	846	19.96	19.95	19.97	21.1
20	QPSK	1	852	20.01	20.02	20.05	
20	QPSK	1	858	19.96	19.93	19.98	21.1
20	QPSK	1	864	19.93	19.92	19.95	
20	QPSK	1	870	19.96	19.95	19.97	21.1
20	QPSK	1	876	20.01	20.02	20.05	
20	QPSK	1	882	19.96	19.93	19.98	21.1
20	QPSK	1	888	19.93	19.92	19.95	
20	QPSK	1	894	19.96	19.95	19.97	21.1
20	QPSK	1	900	20.01	20.02	20.05	



Band 25 Ant 2 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mch Ch./Freq.	Power High Ch./Freq.	Tune-up (MHz)	APR (dB)		
Channel										
20	QPSK	1	0	20.02	20.06	20.04				
20	QPSK	1	49	20.01	20.00	20.04	21.1	0		
20	QPSK	1	99	20.01	20.00	20.04				
20	QPSK	50	0	20.01	20.04	20.00				
20	QPSK	50	24	20.01	20.00	20.04	21.1	0		
20	QPSK	50	50	20.01	19.91	19.98				
20	QPSK	100	0	20.02	20.03	20.01				
20	16QAM	1	0	19.99	19.96	20.03				
20	16QAM	1	49	19.92	19.97	20.03	21.1	0		
20	16QAM	1	99	19.91	19.94	19.93				
20	16QAM	50	0	20.05	19.92	20.01				
20	16QAM	50	24	20.02	20.01	19.98	21.1	0		
20	16QAM	50	50	19.98	20.03	20.04				
20	16QAM	100	0	20.00	19.93	20.02				
20	64QAM	1	0	20.02	20.05	19.99				
20	64QAM	1	49	19.94	19.94	20.01	21.1	0		
20	64QAM	1	99	19.97	19.96	19.93				
20	64QAM	50	0	19.47	19.36	19.42				
20	64QAM	50	24	19.57	19.51	19.50	21	0.1		
20	64QAM	50	50	19.50	19.45	19.53				
20	64QAM	100	0	19.28	19.34	19.27				
20	256QAM	1	0	17.44	17.48	17.48				
20	256QAM	1	49	17.45	17.52	17.44	19	2.1		
20	256QAM	1	99	17.53	17.46	17.23				
20	256QAM	50	0	17.23	17.36	17.28				
20	256QAM	50	24	17.38	17.40	17.44	19	2.1		
20	256QAM	50	50	17.45	17.40	17.42				
20	256QAM	100	0	17.47	17.42	17.52				
Channel										
Frequency (MHz)				26115	26340	26515	Tune-up (MHz)	APR (dB)		
15	QPSK	1	0	19.81	19.90	19.84				
15	QPSK	1	37	19.85	19.83	19.89	21.1	0		
15	QPSK	1	74	19.96	19.82	19.93				
15	QPSK	36	0	19.80	19.96	19.96				
15	QPSK	36	24	19.83	19.82	19.83	21.1	0		
15	QPSK	36	36	19.84	19.83	19.90				
15	16QAM	1	0	19.85	19.86	19.86				
15	16QAM	1	37	19.82	19.83	19.86	21.1	0		
15	16QAM	1	74	19.88	19.86	19.92				
15	16QAM	36	0	19.80	19.95	19.84				
15	16QAM	36	20	19.90	19.93	19.92	21.1	0		
15	16QAM	36	39	19.87	19.89	19.88				
15	16QAM	75	0	19.83	19.88	19.91				
15	64QAM	1	0	19.83	19.86	19.87				
15	64QAM	1	37	19.87	19.90	19.85	21.1	0		
15	64QAM	1	74	19.81	19.96	19.95				
15	64QAM	36	0	19.42	19.35	19.39				
15	64QAM	36	20	19.51	19.42	19.48	21	0.1		
15	64QAM	36	39	19.50	19.44	19.53				
15	64QAM	75	0	19.24	19.34	19.40				
15	256QAM	1	0	17.53	17.42	17.51				
15	256QAM	1	37	17.53	17.53	17.51	19	2.1		
15	256QAM	1	74	17.53	17.43	17.30				
15	256QAM	36	0	17.23	17.36	17.28				
15	256QAM	36	20	17.52	17.38	17.36	19	2.1		
15	256QAM	36	39	17.53	17.44	17.30				
15	256QAM	75	0	17.47	17.40	17.39				
Channel										
Frequency (MHz)				26590	26340	26540	Tune-up (MHz)	APR (dB)		
10	QPSK	1	0	19.88	19.90	19.84				
10	QPSK	1	25	19.94	19.91	19.92	21.1	0		
10	QPSK	1	49	19.94	19.94	19.96				
10	QPSK	25	0	19.90	19.90	19.90				
10	QPSK	25	12	19.92	19.90	19.85	21.1	0		
10	QPSK	25	25	19.91	19.90	19.89				
10	16QAM	1	0	19.95	19.94	19.88				
10	16QAM	1	25	19.91	19.90	19.92	21.1	0		
10	16QAM	1	49	19.88	19.86	19.88				
10	16QAM	25	0	19.82	19.93	19.90				
10	16QAM	25	12	19.91	19.86	19.93	21.1	0		
10	16QAM	25	25	19.88	19.86	19.85				
10	16QAM	50	0	19.83	19.97	19.93				
10	64QAM	1	0	19.87	19.86	19.82				
10	64QAM	1	25	19.83	19.82	19.85	21.1	0		
10	64QAM	1	49	19.88	19.95	19.95				
10	64QAM	25	0	19.45	19.39	19.25				
10	64QAM	25	12	19.83	19.44	19.52	21	0.1		
10	64QAM	25	25	19.49	19.37	19.44				
10	256QAM	1	0	17.45	17.45	17.50				
10	256QAM	1	25	17.41	17.48	17.49	19	2.1		
10	256QAM	1	49	17.37	17.33	17.23				
10	256QAM	25	0	17.25	17.42	17.25				
10	256QAM	25	12	17.39	17.40	17.37	19	2.1		
10	256QAM	25	25	17.53	17.39	17.44				
10	256QAM	50	0	17.53	17.52	17.45				
Channel										
Frequency (MHz)				26665	26340	26665	Tune-up (MHz)	APR (dB)		
5	QPSK	1	0	19.85	19.85	19.84				
5	QPSK	1	12	19.89	19.86	19.94	21.1	0		
5	QPSK	1	24	19.93	19.93	19.82				
5	QPSK	12	0	19.81	19.93	19.86				
5	QPSK	12	7	19.91	19.89	19.89	21.1	0		
5	QPSK	12	13	19.94	19.82	19.88				
5	QPSK	20	0	19.82	19.82	19.85				
5	16QAM	1	0	19.87	19.95	19.86				
5	16QAM	1	12	19.93	19.81	19.95	21.1	0		
5	16QAM	1	24	19.86	19.96	19.92				
5	16QAM	12	0	19.81	19.82	19.82				
5	16QAM	12	7	19.82	19.82	19.84	21.1	0		
5	16QAM	12	13	19.83	19.92	19.86				
5	16QAM	20	0	19.83	19.82	19.91				
5	64QAM	1	0	19.86	19.94	19.84				
5	64QAM	1	12	19.83	19.83	19.88	21.1	0		
5	64QAM	1	24	19.92	19.92	19.87				
5	64QAM	12	0	19.44	19.32	19.44				
5	64QAM	12	7	19.55	19.51	19.62	21	0.1		
5	64QAM	12	13	19.44	19.43	19.55				
5	64QAM	20	0	19.31	19.43	19.29				
5	256QAM	1	0	17.49	17.48	17.54				
5	256QAM	1	12	17.42	17.47	17.41	19	2.1		
5	256QAM	1	24	17.30	17.38	17.26				
5	256QAM	12	0	17.53	17.31	17.32				
5	256QAM	12	7	17.37	17.42	17.43	19	2.1		
5	256QAM	12	13	17.51	17.42	17.36				
5	256QAM	20	0	17.47	17.41	17.50				
Channel										
Frequency (MHz)				26665	26340	26675	Tune-up (MHz)	APR (dB)		
3	QPSK	1	0	19.83	19.89	19.90				
3	QPSK	1	8	19.89	19.88	19.88	21.1	0		
3	QPSK	1	14	19.89	19.90	19.93				
3	QPSK	8	0	19.84	19.82	19.82				
3	QPSK	8	4	19.83	19.89	19.93	21.1	0		
3	QPSK	8	7	19.89	19.96	19.93				
3	QPSK	15	0	19.82	19.93	19.87				
3	16QAM	1	0	19.91	19.85	19.95				
3	16QAM	1	8	19.89	19.84	19.95	21.1	0		
3	16QAM	1	14	19.84	19.87	19.81				
3	16QAM	8	0	19.82	19.90	19.90				
3	16QAM	8	4	19.82	19.84	19.91	21.1	0		
3	16QAM	8	7	19.83	19.88	19.83				
3	16QAM	15	0	19.82	19.97	19.86				
3	64QAM	1	0	19.97	19.86	19.97				
3										



Band 7 Ant 3 DS13

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
				2510	2535	2560		
Frequency (MHz)								
20	QPSK	1	0	21.52	21.63	21.48	22.8	0
20	QPSK	1	49	21.45	21.47	21.49		
20	QPSK	1	99	21.53	21.56	21.62		
20	QPSK	50	0	20.59	20.68	20.62	22	0.8
20	QPSK	50	24	20.57	20.65	20.53		
20	QPSK	50	50	20.53	20.45	20.43		
20	QPSK	100	0	20.58	20.65	20.59	22	0.8
20	16QAM	1	0	20.40	20.45	20.49		
20	16QAM	1	49	20.35	20.35	20.55		
20	16QAM	1	99	20.46	20.65	20.55	21	1.8
20	16QAM	50	0	19.61	19.72	19.48		
20	16QAM	50	24	19.35	19.55	19.42		
20	16QAM	50	50	19.39	19.35	19.56	21	1.8
20	16QAM	100	0	19.61	19.57	19.55		
20	16QAM	1	0	19.54	19.69	19.44		
20	64QAM	1	49	19.44	19.57	19.53	21	1.8
20	64QAM	1	99	19.50	19.61	19.44		
20	64QAM	50	0	18.78	18.59	18.59		
20	64QAM	50	24	18.78	18.69	18.77	20	2.8
20	64QAM	50	50	18.65	18.63	18.71		
20	64QAM	100	0	18.41	18.70	18.41		
20	256QAM	1	0	16.68	16.69	16.81	18	4.8
20	256QAM	1	49	16.68	16.66	16.67		
20	256QAM	1	99	16.54	16.53	16.50		
20	256QAM	50	0	16.36	16.57	16.39	18	4.8
20	256QAM	50	24	16.72	16.60	16.71		
20	256QAM	50	50	16.68	16.65	16.58		
20	256QAM	100	0	16.77	16.70	16.73		
Channel								
				20825	21100	21375		
Frequency (MHz)								
				2507.5	2535	2562.5		
15	QPSK	1	0	21.48	21.50	21.52	22.8	0
15	QPSK	1	37	21.53	21.50	21.50		
15	QPSK	1	74	21.55	21.55	21.60		
15	QPSK	38	0	20.62	20.67	20.59	22	0.8
15	QPSK	38	20	20.51	20.57	20.55		
15	QPSK	38	39	20.55	20.45	20.56		
15	QPSK	75	0	20.61	20.70	20.49	22	0.8
15	16QAM	1	0	20.52	20.38	20.40		
15	16QAM	1	37	20.47	20.56	20.48		
15	16QAM	1	74	20.51	20.63	20.66	21	1.8
15	16QAM	38	0	19.50	19.75	19.47		
15	16QAM	38	20	19.34	19.61	19.36		
15	16QAM	38	39	19.38	19.32	19.52	21	1.8
15	16QAM	75	0	19.55	19.57	19.44		
15	64QAM	1	0	19.68	19.60	19.58		
15	64QAM	1	37	19.44	19.57	19.44	21	1.8
15	64QAM	1	74	19.64	19.68	19.46		
15	64QAM	38	0	18.81	18.55	18.55		
15	64QAM	38	20	18.86	18.67	18.67	20	2.8
15	64QAM	38	39	18.62	18.58	18.68		
15	64QAM	75	0	18.39	18.58	18.46		
15	256QAM	1	0	16.81	16.62	16.73	18	4.8
15	256QAM	1	37	16.60	16.68	16.65		
15	256QAM	1	74	16.45	16.58	16.63		
15	256QAM	38	0	16.37	16.54	16.46	18	4.8
15	256QAM	38	20	16.69	16.59	16.72		
15	256QAM	38	39	16.65	16.53	16.49		
15	256QAM	75	0	16.74	16.65	16.61		
Channel								
				20800	21100	21400		
Frequency (MHz)								
				2508	2535	2565		
10	QPSK	1	0	21.51	21.51	21.44	22.8	0
10	QPSK	1	25	21.57	21.45	21.47		
10	QPSK	1	49	21.55	21.62	21.60		
10	QPSK	25	0	20.57	20.62	20.61	22	0.8
10	QPSK	25	12	20.48	20.56	20.55		
10	QPSK	25	25	20.66	20.48	20.45		
10	QPSK	50	0	20.65	20.59	20.52	22	0.8
10	16QAM	1	0	20.41	20.39	20.38		
10	16QAM	1	25	20.58	20.68	20.47		
10	16QAM	1	49	20.43	20.59	20.59	21	1.8
10	16QAM	25	0	19.80	19.74	19.59		
10	16QAM	25	12	19.46	19.58	19.42		
10	16QAM	25	25	19.35	19.40	19.58	21	1.8
10	16QAM	50	0	19.54	19.58	19.48		
10	64QAM	1	0	19.53	19.62	19.57		
10	64QAM	1	25	19.46	19.52	19.54	21	1.8
10	64QAM	1	49	19.59	19.60	19.50		
10	64QAM	25	0	18.70	18.49	18.52		
10	64QAM	25	12	18.85	18.57	18.78	20	2.8
10	64QAM	25	25	18.73	18.63	18.74		
10	64QAM	50	0	18.38	18.71	18.43		
10	256QAM	1	0	16.75	16.70	16.86	18	4.8
10	256QAM	1	25	16.67	16.64	16.76		
10	256QAM	1	49	16.47	16.54	16.52		
10	256QAM	25	0	16.48	16.53	16.46	18	4.8
10	256QAM	25	12	16.72	16.63	16.70		
10	256QAM	25	25	16.69	16.62	16.49		
10	256QAM	50	0	16.74	16.60	16.71		
Channel								
				23775	24100	24425		
Frequency (MHz)								
				2902.5	2935	2967.5		
5	QPSK	1	0	21.58	21.53	21.40	22.8	0
5	QPSK	1	12	21.44	21.45	21.49		
5	QPSK	1	24	21.48	21.59	21.59		
5	QPSK	12	0	20.80	20.76	20.59	22	0.8
5	QPSK	12	7	20.46	20.64	20.50		
5	QPSK	12	13	20.61	20.47	20.51		
5	QPSK	25	0	20.58	20.63	20.50	22	0.8
5	16QAM	1	0	20.42	20.49	20.44		
5	16QAM	1	12	20.50	20.55	20.50		
5	16QAM	1	24	20.42	20.65	20.63	21	1.8
5	16QAM	12	0	19.53	19.66	19.48		
5	16QAM	12	7	19.45	19.59	19.45		
5	16QAM	12	13	19.39	19.42	19.60	21	1.8
5	16QAM	25	0	19.50	19.65	19.43		
5	64QAM	1	0	19.55	19.66	19.57		
5	64QAM	1	12	19.39	19.46	19.51	21	1.8
5	64QAM	1	24	19.67	19.67	19.39		
5	64QAM	12	0	18.72	18.50	18.51		
5	64QAM	12	7	18.90	18.59	18.83	20	2.8
5	64QAM	12	13	18.66	18.56	18.70		
5	64QAM	25	0	18.44	18.66	18.41		
5	256QAM	1	0	16.80	16.70	16.82	18	4.8
5	256QAM	1	12	16.63	16.56	16.76		
5	256QAM	1	24	16.41	16.63	16.50		
5	256QAM	12	0	16.43	16.53	16.43	18	4.8
5	256QAM	12	7	16.62	16.59	16.73		
5	256QAM	12	13	16.75	16.59	16.53		
5	256QAM	25	0	16.79	16.60	16.67		



Band 38 Ant 3 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel	Frequency (MHz)			39750	39800	39150				
20	QPSK	1	0	21.48	21.52	21.44				
20	QPSK	1	49	21.49	21.47	21.41			23	0
20	QPSK	1	99	21.40	21.46	21.42				
20	QPSK	50	0	19.31	19.36	19.50				
20	QPSK	50	24	20.51	20.53	20.57			22	1
20	QPSK	50	50	20.51	20.39	20.47				
20	QPSK	100	0	20.61	20.62	20.58				
20	HQAM	1	0	20.47	20.51	20.36				
20	HQAM	1	49	20.52	20.63	20.74			22	1
20	HQAM	1	99	20.44	20.96	20.51				
20	HQAM	50	0	19.52	19.73	19.58				
20	HQAM	50	24	19.31	19.63	19.33			21	2
20	HQAM	50	50	19.31	19.36	19.50				
20	HQAM	100	0	19.53	19.56	19.50				
20	HQAM	1	0	19.63	19.66	19.49				
20	HQAM	1	49	19.37	19.50	19.53			21	2
20	HQAM	1	99	19.70	19.65	19.52				
20	HQAM	50	0	18.78	18.76	18.82				
20	HQAM	50	24	18.86	18.63	18.85			20	3
20	HQAM	50	50	18.70	18.64	18.71				
20	HQAM	100	0	18.40	18.88	18.40				
20	256QAM	1	0	16.78	16.82	16.82			18	5
20	256QAM	1	49	16.77	16.77	16.77				
20	256QAM	1	99	16.57	16.59	16.53				
20	256QAM	50	0	16.35	16.63	16.40				
20	256QAM	50	24	16.33	16.55	16.68			18	5
20	256QAM	50	50	16.77	16.84	16.44				
20	256QAM	100	0	16.80	16.70	16.69				
15	QPSK	1	0	21.44	21.36	21.30			23	0
15	QPSK	1	49	21.48	21.34	21.36				
15	QPSK	1	74	21.44	21.43	21.50				
15	QPSK	36	0	20.50	20.59	20.59				
15	QPSK	36	20	20.38	20.43	20.42			22	1
15	QPSK	36	39	19.27	19.54	19.44				
15	QPSK	75	0	20.48	20.49	20.42				
15	HQAM	1	0	20.38	20.28	20.27				
15	HQAM	1	37	20.46	20.57	20.34			22	1
15	HQAM	1	74	20.32	20.48	20.50				
15	HQAM	36	0	19.43	19.55	19.36				
15	HQAM	36	20	19.36	19.52	19.26			21	2
15	HQAM	36	39	19.27	19.25	19.47				
15	HQAM	75	0	19.42	19.56	19.46				
15	HQAM	1	0	18.67	18.63	18.64				
15	HQAM	1	37	19.34	19.47	19.47			21	2
15	HQAM	1	74	19.33	19.47	19.47				
15	HQAM	36	0	18.67	18.40	18.45				
15	HQAM	36	20	18.70	18.40	18.65			20	3
15	HQAM	36	39	18.52	18.53	18.51				
15	HQAM	75	0	18.42	18.55	18.35				
15	256QAM	1	0	16.65	16.50	16.69				
15	256QAM	1	37	16.50	16.56	16.52			18	5
15	256QAM	1	74	16.50	16.50	16.50				
15	256QAM	36	0	16.27	16.47	16.23				
15	256QAM	36	20	16.59	16.52	16.54			18	5
15	256QAM	36	39	16.22	16.54	16.36				
15	256QAM	75	0	16.60	16.61	16.60				
10	QPSK	1	0	21.75	21.36	21.31			23	0
10	QPSK	1	25	21.35	21.49	21.38				
10	QPSK	1	49	21.38	21.48	21.32				
10	QPSK	25	0	20.58	20.67	20.57				
10	QPSK	25	12	20.42	20.56	20.52			22	1
10	QPSK	25	25	20.49	20.31	20.40				
10	QPSK	50	0	20.48	20.61	20.46				
10	HQAM	1	0	19.29	19.28	19.24				
10	HQAM	1	25	20.38	20.45	20.43			22	1
10	HQAM	1	49	20.37	20.57	20.53				
10	HQAM	25	0	19.46	19.62	19.52				
10	HQAM	25	12	19.33	19.35	19.47			21	2
10	HQAM	25	25	19.32	19.35	19.47				
10	HQAM	50	0	19.42	19.57	19.43				
10	HQAM	1	0	19.55	19.60	19.49				
10	HQAM	1	25	19.34	19.46	19.42			21	2
10	HQAM	1	49	19.33	19.31	19.37				
10	HQAM	25	0	18.60	18.47	18.39				
10	HQAM	25	12	18.76	18.52	18.70			20	3
10	HQAM	25	25	18.57	18.50	18.65				
10	HQAM	50	0	18.40	18.40	18.31				
10	HQAM	50	0	16.66	16.55	16.76				
10	256QAM	1	25	16.51	16.53	16.55			18	5
10	256QAM	1	49	16.47	16.54	16.51				
10	256QAM	25	0	16.26	16.42	16.24				
10	256QAM	25	12	16.56	16.56	16.56			18	5
10	256QAM	25	25	16.59	16.41	16.49				
10	256QAM	50	0	16.66	16.62	16.62				

Band 41 Ant 3 DSI3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Middle Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel	Frequency (MHz)			39750	40185	40620	41055	41490				
20	QPSK	1	0	21.43	21.51	21.54	21.39	21.40				
20	QPSK	1	49	21.53	21.53	21.46	21.42	21.46			23	0
20	QPSK	1	99	21.45	21.50	21.52	21.46	21.41				
20	QPSK	50	0	20.61	20.62	20.65	20.61	20.58				
20	QPSK	50	24	20.63	20.63	20.63	20.61	20.63				
20	QPSK	50	50	20.46	20.41	20.41	20.41	20.37			22	1
20	QPSK	100	0	20.56	20.56	20.56	20.57	20.55				
20	HQAM	1	0	20.46	20.53	20.47	20.44	20.47				
20	HQAM	1	49	20.57	20.59	20.56	20.56	20.56			22	1
20	HQAM	1	99	20.49	20.69	20.62	20.40	20.58				
20	HQAM	50	0	19.65	19.72	19.70	19.78	19.78				
20	HQAM	50	24	19.59	19.57	19.62	19.58	19.67			21	2
20	HQAM	50	50	19.34	19.66	19.63	19.35	19.38				
20	HQAM	100	0	19.49	19.67	19.61	19.54	19.61				
20	HQAM	1	0	19.73	19.66	19.74	19.68	19.71				
20	HQAM	1	49	19.50	19.50	19.46	19.51	19.48			21	2
20	HQAM	1	99	19.72	19.64	19.62	19.66	19.69				
20	HQAM	50	0	18.45	18.60	18.52	18.66	18.53				
20	HQAM	50	24	18.65	18.63	18.69	18.61	18.55			20	3
20	HQAM	50	50	18.66	18.64	18.63	18.60	18.69				
20	HQAM	100	0	18.72	18.69	18.69	18.68	18.61				
20	256QAM	1	0	16.57	16.66	16.63	16.59	16.70			18	5
20	256QAM	1	49	16.72	16.77	16.76	16.73	16.73				
20	256QAM	1	99	16.64	16.64	16.64	16.58	16.66				
20	256QAM	50	0	16.56	16.56	16.57	16.61	16.66				
20	256QAM	50	24	16.55	16.48	16.52	16.54	16.52			18	5
20	256QAM	50	50	16.70	16.60	16.58	16.72	16.62				
20	256QAM	100	0	16.74	16.64	16.75	16.66	16.76				
15	QPSK	1	0	21.44	21.36	21.34	21.42	21.41			23	0
15	QPSK	1	37	21.32	21.37	21.41	21.37	21.43				
15	QPSK	1	74	21.35	21.29	21.38	21.33	21.29				
15	QPSK	36	0	20.54	20.54	20.58	20.51	20.47				
15	QPSK	36	20	20.55	20.57	20.59	20.51	20.56			22	1
15	QPSK	36	39	19.26	19.51	19.56	19.45	19.39				
15	QPSK	75	0	20.48	20.58	20.60	20.53	20.47				
15	HQAM	1	0	20.37	20.49	20.42	20.36	20.48				
15	HQAM	1	37	20.47	20.55	20.54	20.61	20.59			22	1
15	HQAM	1	74	20.58	20.60	20.58	20.65	20.63				
15	HQAM	36	0	19.65	19.65	19.56	19.59	19.61				
15	HQAM	36	20	19.59	19.59	19.56	19.61	19.55			21	2
15	HQAM	36	39	19.35	19.28	19.31	19.26	19.30				
15	HQAM	75	0	19.45	19.53	19.44	19.50	19.47				
15	HQAM	1	0	18.45	18.49	18.50	18.45	18.53				
15	HQAM	1	37	19.38	19.42	19.40	19.33	19.36			21	2
15	HQAM	1	74	19.47	19.62	19.53	19.54	19.52				
15	HQAM	36	0	18.36	18.49	18.37	18.45	18.43				
15	HQAM	36	20	18.53	18.51	18.60	18.58	18.57			20	3
15	HQAM	36	39	18.59	18.61	18.58	18.55	18.59				
15	HQAM	75	0	18.59	18.50	18.58	18.65	18.58				
15	256QAM	1	0	16.47	16.59	16.59	16.49	16.53				



Band 42 Part 27Q Ant 7 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.86	22.70	22.73			
20	QPSK	1	49	22.83	22.70	22.83	24	0	
20	QPSK	1	99	22.83	22.57	22.85			
20	QPSK	50	0	21.83	21.74	21.59			
20	QPSK	50	24	21.67	21.66	21.60			23
20	QPSK	50	50	21.58	21.57	21.45			
20	QPSK	100	0	21.84	21.73	21.63			
20	16QAM	1	0	21.37	21.47	21.44			
20	16QAM	1	49	21.43	21.54	21.64			23
20	16QAM	1	99	21.60	21.64	21.67			
20	16QAM	50	0	20.66	20.70	20.75			
20	16QAM	50	24	20.48	20.39	20.42			22
20	16QAM	50	50	20.54	20.47	20.48			
20	16QAM	100	0	20.45	20.57	20.58			
20	64QAM	1	0	20.60	20.64	20.72			
20	64QAM	1	49	20.52	20.42	20.58			22
20	64QAM	1	99	20.53	20.47	20.55			
20	64QAM	50	0	19.57	19.48	19.63			
20	64QAM	50	24	19.73	19.63	19.75			21
20	64QAM	50	50	19.71	19.71	19.61			
20	64QAM	100	0	19.55	19.55	19.55			
20	256QAM	1	0	17.64	17.57	17.73			
20	256QAM	1	49	17.71	17.66	17.80			19
20	256QAM	1	99	17.58	17.57	17.66			
20	256QAM	50	0	17.55	17.51	17.57			
20	256QAM	50	24	17.55	17.66	17.72			19
20	256QAM	50	50	17.45	17.48	17.52			
20	256QAM	100	0	17.67	17.75	17.57			
Channel				42145	42590	43035	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.51	22.65	22.52			
15	QPSK	1	37	22.40	22.50	22.48			24
15	QPSK	1	74	22.34	22.46	22.54			
15	QPSK	36	0	21.48	21.59	21.59			
15	QPSK	36	20	21.51	21.52	21.49			23
15	QPSK	36	39	21.48	21.36	21.32			
15	QPSK	75	0	21.58	21.59	21.45			
15	16QAM	1	0	21.28	21.31	21.38			
15	16QAM	1	37	21.44	21.31	21.51			23
15	16QAM	1	74	21.54	21.49	21.55			
15	16QAM	36	0	20.53	20.67	20.63			
15	16QAM	36	20	20.33	20.41	20.41			22
15	16QAM	36	39	20.49	20.41	20.34			
15	16QAM	75	0	20.46	20.43	20.47			
15	64QAM	1	0	20.80	20.49	20.54			
15	64QAM	1	37	20.39	20.34	20.34			22
15	64QAM	1	74	20.33	20.42	20.32			
15	64QAM	36	0	19.53	19.46	19.54			
15	64QAM	36	20	19.64	19.66	19.65			21
15	64QAM	36	39	19.66	19.53	19.51			
15	64QAM	75	0	19.45	19.38	19.38			
15	256QAM	1	0	17.67	17.58	17.64			
15	256QAM	1	37	17.67	17.65	17.49			19
15	256QAM	1	74	17.50	17.45	17.42			
15	256QAM	36	0	17.34	17.37	17.45			
15	256QAM	36	20	17.54	17.58	17.66			19
15	256QAM	36	39	17.37	17.41	17.55			
15	256QAM	75	0	17.46	17.62	17.54			
Channel				42140	42590	43030	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.54	22.71	22.57			
10	QPSK	1	25	22.45	22.59	22.51			24
10	QPSK	1	49	22.83	22.53	22.85			
10	QPSK	25	0	21.46	21.55	21.50			23
10	QPSK	25	25	21.37	21.38	21.32			
10	QPSK	50	0	21.55	21.56	21.43			
10	16QAM	1	0	21.27	21.31	21.38			
10	16QAM	1	25	21.31	21.44	21.41			23
10	16QAM	1	49	21.44	21.53	21.45			
10	16QAM	25	0	20.64	20.68	20.55			
10	16QAM	25	12	20.36	20.35	20.37			22
10	16QAM	25	25	20.36	20.48	20.29			
10	16QAM	50	0	20.39	20.47	20.54			
10	64QAM	1	0	20.64	20.48	20.50			
10	64QAM	1	25	20.36	20.40	20.44			22
10	64QAM	1	49	20.44	20.32	20.33			
10	64QAM	25	0	19.41	19.44	19.46			
10	64QAM	25	12	19.68	19.68	19.77			21
10	64QAM	25	25	19.76	19.65	19.63			
10	64QAM	50	0	19.46	19.39	19.44			
10	256QAM	1	0	17.68	17.53	17.69			
10	256QAM	1	25	17.61	17.50	17.53			19
10	256QAM	1	49	17.42	17.36	17.51			
10	256QAM	25	0	17.33	17.44	17.42			
10	256QAM	25	12	17.55	17.58	17.56			19
10	256QAM	25	25	17.36	17.51	17.54			
10	256QAM	50	0	17.48	17.55	17.56			
Channel				42116	42590	43064	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.86	22.81	22.54			
5	QPSK	1	12	22.49	22.81	22.55			24
5	QPSK	1	24	22.56	22.49	22.54			
5	QPSK	12	0	21.45	21.61	21.60			
5	QPSK	12	7	21.44	21.58	21.49			23
5	QPSK	12	13	21.36	21.43	21.44			
5	QPSK	25	0	21.52	21.55	21.52			
5	16QAM	1	0	21.23	21.44	21.46			
5	16QAM	1	12	21.28	21.38	21.48			23
5	16QAM	1	24	21.54	21.55	21.53			
5	16QAM	12	0	20.64	20.55	20.62			
5	16QAM	12	7	20.31	20.34	20.29			22
5	16QAM	12	13	20.40	20.40	20.38			
5	16QAM	25	0	20.40	20.52	20.47			
5	64QAM	1	0	20.57	20.54	20.52			
5	64QAM	1	12	20.34	20.40	20.41			22
5	64QAM	1	24	20.34	20.45	20.32			
5	64QAM	12	0	19.50	19.43	19.43			
5	64QAM	12	7	19.70	19.68	19.73			21
5	64QAM	12	13	19.75	19.51	19.47			
5	64QAM	25	0	19.49	19.46	19.39			
5	256QAM	1	0	17.63	17.52	17.62			
5	256QAM	1	12	17.54	17.49	17.51			19
5	256QAM	1	24	17.40	17.45	17.47			
5	256QAM	12	0	17.42	17.47	17.43			
5	256QAM	12	7	17.55	17.53	17.63			19
5	256QAM	12	13	17.41	17.43	17.45			
5	256QAM	25	0	17.42	17.59	17.59			



Reduced Power Mode for DSI4

GSM850 Ant 0 DSI4									
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	128	198	251		128	198	251		
Tx Channel	854.2	856.4	858.8	854.2	856.4	858.8	854.2	856.4	858.8
Frequency (MHz)	854.2	856.4	858.8	854.2	856.4	858.8	854.2	856.4	858.8
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78	24.50	24.50
GPRS 1 Tx slot	32.74	32.95	32.98	33.50	23.74	23.85	23.88	24.50	24.50
GPRS 2 Tx slot	29.65	30.91	30.88	31.50	23.65	24.91	24.88	25.50	25.50
GPRS 3 Tx slot	28.18	29.33	29.31	30.00	23.90	25.07	25.05	25.74	25.74
GPRS 4 Tx slot	26.54	27.73	27.91	28.00	23.54	24.73	24.91	25.00	25.00
EDGE 1 Tx slot	26.65	26.45	26.71	27.00	18.65	17.45	17.71	18.00	18.00
EDGE 2 Tx slot	24.67	25.40	25.20	26.00	18.67	19.40	19.20	20.00	20.00
EDGE 3 Tx slot	23.14	23.92	23.91	24.50	18.88	19.66	19.65	20.24	20.24
EDGE 4 Tx slot	21.52	22.24	22.21	23.00	18.52	19.24	19.21	20.00	20.00

WCDMA V Ant 0 DSI4				
Band	WCDMA V Ant 0			Tune-up Limit (dBm)
3M Channel	4152	4152	4253	
Rx Channel	4357	4407	4458	
Frequency (MHz)	4357	4407	4458	
3GPP Rel 99 AMR 12.2kbps	22.53	22.62	22.56	24.00
3GPP Rel 99 RMC 12.2kbps	22.25	22.25	22.25	24.00
3GPP Rel 6 HSDPA Subtest-1	21.57	21.69	21.68	23.00
3GPP Rel 6 HSDPA Subtest-2	21.61	21.64	21.62	23.00
3GPP Rel 6 HSDPA Subtest-3	21.07	21.17	21.07	22.50
3GPP Rel 6 HSDPA Subtest-4	21.00	21.15	21.15	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.53	21.63	21.64	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.61	21.71	21.57	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.03	21.11	21.09	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.05	21.09	21.12	22.50
3GPP Rel 6 HSUPA Subtest-1	21.61	21.57	21.70	23.00
3GPP Rel 6 HSUPA Subtest-2	19.54	19.68	19.65	21.00
3GPP Rel 6 HSUPA Subtest-3	20.57	20.60	20.69	22.00
3GPP Rel 6 HSUPA Subtest-4	19.54	19.67	19.60	21.00
3GPP Rel 6 HSUPA Subtest-5	21.50	21.67	21.60	23.00



Band 5 Ant 0 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.60	22.63	22.61			
10	QPSK	1	25	22.46	22.59	22.46			
10	QPSK	1	49	22.56	22.45	22.57		24	0
10	QPSK	25	0	21.61	21.62	21.67			
10	QPSK	25	12	21.62	21.64	21.54			
10	QPSK	25	25	21.59	21.55	21.58		23	1
10	QPSK	50	0	21.61	21.65	21.60			
10	16QAM	1	0	21.59	21.65	21.50			
10	16QAM	1	25	21.53	21.60				
10	16QAM	1	49	21.61	21.61	21.58		23	1
10	16QAM	25	0	20.67	20.65	20.57			
10	16QAM	25	12	20.68	20.66	20.57			
10	16QAM	25	25	20.55	20.62	20.66		22	2
10	16QAM	50	0	20.60	20.63	20.63			
10	16QAM	1	0	20.63	20.61	20.68			
10	16QAM	1	25	20.60	20.57	20.59		22	2
10	16QAM	1	49	20.65	20.58	20.56			
10	16QAM	25	0	19.59	19.56	19.66			
10	16QAM	25	12	19.67	19.65	19.53			
10	16QAM	25	25	19.66	19.62	19.55		21	3
10	16QAM	50	0	19.68	19.57	19.54			
10	256QAM	1	0	17.62	17.70	17.65			
10	256QAM	1	25	17.63	17.67	17.67		19	5
10	256QAM	1	49	17.59	17.62	17.61			
10	256QAM	25	0	17.65	17.60	17.67			
10	256QAM	25	12	17.66	17.67	17.58			
10	256QAM	25	25	17.57	17.71	17.61		19	5
10	256QAM	50	0	17.60	17.55	17.65			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.49	22.54	22.54			
5	QPSK	1	12	22.45	22.46	22.39			
5	QPSK	1	24	22.40	22.35	22.42		24	0
5	QPSK	12	0	21.43	21.66	21.63			
5	QPSK	12	7	21.57	21.54	21.44		23	1
5	QPSK	12	13	21.49	21.50	21.49			
5	QPSK	25	0	21.48	21.47	21.48			
5	16QAM	1	0	21.51	21.54	21.43			
5	16QAM	1	12	21.50	21.48	21.54		23	1
5	16QAM	1	24	21.46	21.50	21.41			
5	16QAM	12	0	20.61	20.62	20.44			
5	16QAM	12	7	20.55	20.48	20.53		22	2
5	16QAM	12	13	20.46	20.58	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	16QAM	1	0	20.45	20.57	20.63			
5	16QAM	1	12	20.47	20.48	20.55		22	2
5	16QAM	1	24	20.51	20.42	20.39			
5	16QAM	12	0	19.47	19.40	19.59			
5	16QAM	12	7	19.61	19.57	19.48			
5	16QAM	12	13	19.56	19.47	19.59		21	3
5	16QAM	25	0	19.62	19.49	19.47			
5	256QAM	1	0	17.59	17.64	17.41			
5	256QAM	1	12	17.56	17.49	17.54		19	5
5	256QAM	1	24	17.45	17.48	17.48			
5	256QAM	12	0	17.55	17.48	17.63			
5	256QAM	12	7	17.61	17.55	17.47			
5	256QAM	12	13	17.44	17.57	17.56		19	5
5	256QAM	25	0	17.48	17.41	17.58			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.57	22.47	22.51			
3	QPSK	1	8	22.41	22.44	22.31		24	0
3	QPSK	1	14	22.51	22.38	22.49			
3	QPSK	8	0	21.46	21.66	21.50			
3	QPSK	8	4	21.48	21.57	21.41		23	1
3	QPSK	8	8	21.46	21.48	21.44			
3	QPSK	15	0	21.53	21.59	21.47			
3	16QAM	1	0	21.49	21.58	21.35			
3	16QAM	1	8	21.52	21.46	21.49		23	1
3	16QAM	1	14	21.44	21.53	21.54			
3	16QAM	8	0	20.62	20.48	20.45			
3	16QAM	8	4	20.52	20.59	20.46		22	2
3	16QAM	8	7	20.46	20.54	20.59			
3	16QAM	15	0	20.51	20.61	20.59			
3	16QAM	1	0	20.50	20.56	20.59		22	2
3	16QAM	1	8	20.61	20.39	20.54			
3	16QAM	1	14	21.44	21.50	21.41			
3	16QAM	8	0	19.55	19.49	19.60			
3	16QAM	8	4	19.57	19.59	19.41		21	3
3	16QAM	8	7	19.50	19.52	19.48			
3	16QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.59	17.60	17.42			
3	256QAM	1	8	17.45	17.57	17.57		19	5
3	256QAM	1	14	17.43	17.55	17.46			
3	256QAM	8	0	17.54	17.51	17.49			
3	256QAM	8	4	17.61	17.55	17.46		19	5
3	256QAM	8	7	17.42	17.67	17.54			
3	256QAM	15	0	17.63	17.48	17.60			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.57	22.52	22.48			
1.4	QPSK	1	3	22.29	22.44	22.30			
1.4	QPSK	1	5	22.53	22.34	22.55		24	0
1.4	QPSK	3	0	22.44	22.51	22.48			
1.4	QPSK	3	1	22.57	22.50	22.43			
1.4	QPSK	3	3	22.50	22.50	22.57		23	1
1.4	16QAM	1	0	21.48	21.51	21.55			
1.4	16QAM	1	0	21.45	21.60	21.37			
1.4	16QAM	1	3	21.43	21.38	21.44			
1.4	16QAM	1	12	21.44	21.50	21.41		23	1
1.4	16QAM	3	0	21.44	21.53	21.42			
1.4	16QAM	3	1	21.51	21.52	21.46			
1.4	16QAM	3	3	21.48	21.61	21.45		22	2
1.4	16QAM	6	0	20.46	20.47	20.50			
1.4	16QAM	1	0	20.59	20.54	20.58			
1.4	16QAM	1	3	20.42	20.54	20.58		22	2
1.4	16QAM	1	5	20.57	20.48	20.50			
1.4	16QAM	3	0	20.52	20.52	20.45			
1.4	16QAM	3	1	20.52	20.53	20.47			
1.4	16QAM	3	3	20.52	20.49	20.50		21	3
1.4	16QAM	6	0	19.51	19.51	19.42			
1.4	256QAM	1	0	17.57	17.55	17.39			
1.4	256QAM	1	3	17.46	17.61	17.62		19	5
1.4	256QAM	1	5	17.57	17.56	17.58			
1.4	256QAM	3	0	17.58	17.58	17.64			
1.4	256QAM	3	1	17.55	17.63	17.42			
1.4	256QAM	3	1	17.46	17.65	17.48		19	5
1.4	256QAM	6	0	17.44	17.53	17.62		19	5

Band 7 Ant 0 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.49	22.50	22.54			
20	QPSK	1	49	22.41	22.54	22.35		24	0
20	QPSK	1	99	22.48	22.29	22.46			
20	QPSK	50	0	21.52	21.52	21.54			
20	QPSK	50	24	21.53	21.49	21.44		23	1
20	QPSK	50	50	21.41	21.47	21.41			
20	QPSK	100	0	21.52	21.60	21.54			
20	16QAM	1	0	21.42	21.47	21.35			
20	16QAM	1	49	21.46	21.50	21.50		23	1
20	16QAM	1	99	21.51	21.49	21.41			
20	16QAM	50	0	20.54	20.50	20.50			
20	16QAM	50	24	20.63	20.50	20.50		22	2
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	16QAM	1	0	20.60	20.56	20.57			
20	16QAM	1	49	20.55	20.44	20.49		22	2
20	16QAM	1	99	20.59	20.40	20.42			
20	16QAM	50	0	19.44	19.38	19.60			
20	16QAM	50	24	19.52	19.57	19.41		21	3
20	16QAM	50	50	19.54	19.54	19.51			
20	16QAM	10							



Band 13 Ant 0 DS14										
BW (MHz)	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)										
10	QPSK	1	0	22.71	22.71					
10	QPSK	1	25	22.80				24	0	
10	QPSK	1	49	22.38						
10	QPSK	25	0	22.38						
10	QPSK	25	12	21.62				23	1	
10	QPSK	25	25	21.53						
10	QPSK	50	0	21.67						
10	16QAM	1	0	21.60						
10	16QAM	1	25	21.51				23	1	
10	16QAM	1	49	21.56						
10	16QAM	25	0	20.88						
10	16QAM	25	12	20.67				22	2	
10	16QAM	25	25	20.54						
10	16QAM	50	0	20.56						
10	16QAM	1	49	21.56						
10	16QAM	1	25	20.54				22	2	
10	16QAM	1	49	20.58						
10	16QAM	25	0	19.49						
10	16QAM	25	12	19.57				21	3	
10	16QAM	25	25	19.69						
10	16QAM	50	0	19.57						
10	256QAM	1	0	17.89				19	5	
10	256QAM	1	25	17.64						
10	256QAM	1	49	17.87						
10	256QAM	25	0	17.87						
10	256QAM	25	12	17.73				19	5	
10	256QAM	25	25	17.69						
10	256QAM	50	0	17.55						
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.63	22.53	22.44				
5	QPSK	1	12	22.27	22.52	22.28		24	0	
5	QPSK	1	24	22.55	22.33	22.53				
5	QPSK	12	0	22.38	22.49	22.53				
5	QPSK	12	7	22.50	22.55	22.42		23	1	
5	QPSK	12	13	22.42	22.53	22.81				
5	QPSK	25	0	21.42	21.58	21.47				
5	16QAM	1	0	21.50	21.55	21.29				
5	16QAM	1	12	21.41	21.38	21.44		23	1	
5	16QAM	1	24	21.41	21.46	21.42				
5	16QAM	12	0	21.49	21.48	21.36				
5	16QAM	12	7	21.54	21.56	21.44		22	2	
5	16QAM	12	13	21.43	21.60	21.50				
5	16QAM	25	0	20.50	20.41	20.52				
5	16QAM	1	0	20.60	20.56	20.68				
5	16QAM	1	12	20.47	20.55	20.49		22	2	
5	16QAM	1	24	20.63	20.46	20.47				
5	16QAM	12	0	20.58	20.58	20.48				
5	16QAM	12	7	20.59	20.50	20.49		21	3	
5	16QAM	12	13	20.48	20.52	20.48				
5	16QAM	25	0	19.50	19.56	19.45				
5	256QAM	1	0	17.57	17.57	17.44		19	5	
5	256QAM	1	12	17.40	17.62	17.70				
5	256QAM	1	24	17.57	17.60	17.52				
5	256QAM	12	0	17.53	17.56	17.83				
5	256QAM	12	7	17.55	17.56	17.48		19	5	
5	256QAM	12	13	17.53	17.61	17.53				
5	256QAM	25	0	17.42	17.47	17.83				

Band 17 Ant 0 DS14										
BW (MHz)	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)										
10	QPSK	1	0	709	710	711				
10	QPSK	1	25	22.61	22.67	22.58		24	0	
10	QPSK	1	49	22.59	22.45	22.51				
10	QPSK	25	0	21.57	21.62	21.54				
10	QPSK	25	12	21.55	21.62	21.57		23	1	
10	QPSK	25	25	21.59	21.59	21.59				
10	QPSK	50	0	21.61	21.63	21.59				
10	16QAM	1	0	21.54	21.67	21.48				
10	16QAM	1	25	21.56	21.56	21.56		23	1	
10	16QAM	1	49	21.63	21.54	21.61				
10	16QAM	25	0	20.85	20.66	20.51				
10	16QAM	25	12	20.61	20.71	20.59		22	2	
10	16QAM	25	25	20.55	20.83	20.67				
10	16QAM	50	0	20.60	20.62	20.66				
10	16QAM	1	0	20.67	20.56	20.65				
10	16QAM	1	25	20.57	20.58	20.54		22	2	
10	16QAM	1	49	20.68	20.68	20.52				
10	16QAM	25	0	19.60	19.58	19.62				
10	16QAM	25	12	19.71	19.61	19.54		21	3	
10	16QAM	25	25	19.66	19.55	19.71				
10	16QAM	50	0	19.75	19.53	19.50				
10	256QAM	1	0	17.70	17.67	17.58		19	5	
10	256QAM	1	25	17.59	17.63	17.72				
10	256QAM	1	49	17.51	17.60	17.68				
10	256QAM	25	0	17.63	17.60	17.61				
10	256QAM	25	12	17.76	17.59	17.58				
10	256QAM	25	25	17.68	17.72	17.63		19	5	
10	256QAM	50	0	17.63	17.58	17.70				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.58	22.47				
5	QPSK	1	12	22.42	22.47	22.42		24	0	
5	QPSK	1	24	22.52	22.41	22.51				
5	QPSK	12	0	21.51	21.53	21.83				
5	QPSK	12	7	21.54	21.52	21.45		23	1	
5	QPSK	12	13	21.55	21.41	21.55				
5	QPSK	25	0	21.51	21.60	21.46				
5	16QAM	1	0	21.41	21.56	21.43				
5	16QAM	1	12	21.49	21.38	21.57		23	1	
5	16QAM	1	24	21.58	21.57	21.44				
5	16QAM	12	0	20.51	20.60	20.45				
5	16QAM	12	7	20.64	20.52	20.50		22	2	
5	16QAM	12	13	20.47	20.45	20.50				
5	16QAM	25	0	20.47	20.51	20.51				
5	16QAM	1	0	20.53	20.54	20.51				
5	16QAM	1	12	20.46	20.47	20.46		22	2	
5	16QAM	1	24	20.52	20.51	20.47				
5	16QAM	12	0	19.53	19.49	19.56				
5	16QAM	12	7	19.64	19.53	19.42		21	3	
5	16QAM	12	13	19.53	19.54	19.62				
5	16QAM	25	0	19.55	19.48	19.44				
5	256QAM	1	0	17.63	17.66	17.40		19	5	
5	256QAM	1	12	17.53	17.63	17.59				
5	256QAM	1	24	17.47	17.49	17.43				
5	256QAM	12	0	17.50	17.48	17.54				
5	256QAM	12	7	17.65	17.55	17.49		19	5	
5	256QAM	12	13	17.40	17.66	17.45				
5	256QAM	25	0	17.47	17.44	17.52				

Band 26 Ant 0 DS14										
BW (MHz)	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)										
15	QPSK	1	0	22.48	22.49	22.44				
15	QPSK	1	37	22.31	22.45	22.32		24	0	
15	QPSK	1	74	22.46	22.41	22.44				
15	QPSK	38	0	21.85	21.87	21.83				
15	QPSK	38	20	21.51	21.55	21.47		23	1	
15	QPSK	38	39	21.51	21.55	21.52				
15	QPSK	75	0	21.54	21.56	21.54				
15	16QAM	1	0	21.46	21.48	21.38				
15	16QAM	1	37	21.49	21.39	21.47		23	1	
15	16QAM	1	74	21.50	21.56	21.48				
15	16QAM	38	0	20.59	20.51	20.50				
15	16QAM	38	20	20.65	20.53	20.38		22	2	
15	16QAM	38	39	20.51	20.48	20.58				
15	16QAM	75	0	20.43	20.54	20.52				
15	16QAM	1	0	20.55	20.50	20.50				



Band 38 Ant 0 DS14											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				37650	38000	38150					
20	QPSK	1	0	2596	2596	2610					
20	QPSK	1	49	2230	2230	2245			24	0	
20	QPSK	1	99	2250	2250	2265					
20	QPSK	50	0	2153	2167	2161					
20	QPSK	50	24	2148	2149	2144			23	1	
20	QPSK	50	20	2145	2145	2143					
20	QPSK	100	0	2150	2161	2145					
20	16QAM	1	0	2145	2150	2147					
20	16QAM	1	49	2145	2146	2153			23	1	
20	16QAM	1	99	2145	2154	2145					
20	16QAM	50	0	2053	2060	2052					
20	16QAM	50	24	2061	2063	2041			22	2	
20	16QAM	50	20	2038	2044	2059					
20	16QAM	100	0	2056	2060	2047					
20	16QAM	100	0	2050	2050	2057					
20	16QAM	1	49	2050	2051	2052			22	2	
20	16QAM	1	99	2053	2043	2053					
20	16QAM	50	0	1947	1946	1948					
20	16QAM	50	24	1938	1935	1948			21	3	
20	16QAM	50	20	1940	1935	1948					
20	16QAM	100	0	1946	1949	1941					
20	256QAM	1	0	1751	1766	1747					
20	256QAM	1	49	1756	1754	1755			19	5	
20	256QAM	1	99	1745	1750	1748					
20	256QAM	50	0	1748	1749	1754					
20	256QAM	50	24	1760	1763	1740			19	5	
20	256QAM	50	20	1749	1765	1746					
20	256QAM	100	0	1747	1751	1748					
Channel											
Frequency (MHz)				2677.5	2696	2612.5					
15	QPSK	1	0	2243	2240	2240					
15	QPSK	1	37	2222	2244	2234			24	0	
15	QPSK	1	75	2142	2142	2142					
15	QPSK	36	0	2139	2141	2154					
15	QPSK	36	20	2149	2143	2143			23	1	
15	QPSK	36	39	2133	2135	2143					
15	QPSK	75	0	2142	2142	2145					
15	16QAM	1	37	2135	2130	2143			23	1	
15	16QAM	1	74	2138	2134	2140					
15	16QAM	36	0	2052	2045	2037			22	2	
15	16QAM	36	20	2046	2049	2056					
15	16QAM	36	39	2038	2038	2047					
15	16QAM	75	0	2047	2038	2048			22	2	
15	16QAM	1	0	2047	2040	2045					
15	16QAM	1	74	2048	2038	2035			22	2	
15	16QAM	36	0	1941	1940	1954					
15	16QAM	36	20	1947	1947	1928			21	3	
15	16QAM	36	39	1944	1945	1943					
15	16QAM	75	0	1745	1753	1739					
15	256QAM	1	0	1744	1756	1720					
15	256QAM	1	37	1745	1754	1743			19	5	
15	256QAM	1	74	1738	1739	1745					
15	256QAM	36	0	1740	1734	1742					
15	256QAM	36	20	1745	1753	1739			19	5	
15	256QAM	36	39	1738	1736	1734					
15	256QAM	75	0	1738	1728	1738					
Channel											
Frequency (MHz)				37650	38000	38200					
10	QPSK	1	0	2234	2244	2230					
10	QPSK	1	25	2231	2245	2230			24	0	
10	QPSK	1	49	2242	2232	2230					
10	QPSK	25	0	2143	2154	2150					
10	QPSK	25	25	2132	2129	2132			23	1	
10	QPSK	50	0	2142	2149	2137					
10	16QAM	1	0	2131	2152	2142					
10	16QAM	1	49	2146	2138	2142			23	1	
10	16QAM	1	99	2148	2144	2134					
10	16QAM	25	0	2053	2042	2042					
10	16QAM	25	12	2041	2043	2031			22	2	
10	16QAM	25	25	2038	2044	2050					
10	16QAM	50	0	2041	2046	2045					
10	16QAM	1	0	2041	2047	2056					
10	16QAM	1	25	2048	2044	2043			22	2	
10	16QAM	1	49	2047	2036	2029					
10	16QAM	25	25	1947	1938	1942					
10	16QAM	25	12	1942	1952	1928			21	3	
10	16QAM	25	25	1947	1939	1947					
10	16QAM	50	0	1948	1933	1931					
10	256QAM	1	0	1748	1745	1740					
10	256QAM	1	25	1745	1750	1755			19	5	
10	256QAM	1	49	1739	1739	1747					
10	256QAM	25	0	1750	1737	1746					
10	256QAM	25	12	1751	1754	1736					
10	256QAM	25	25	1737	1750	1738					
10	256QAM	50	0	1737	1731	1743					
Channel											
Frequency (MHz)				3777.5	38000	38225					
5	QPSK	1	0	2248	2236	2245					
5	QPSK	1	12	2221	2231	2229			24	0	
5	QPSK	1	24	2226	2226	2230					
5	QPSK	12	0	2137	2149	2147					
5	QPSK	12	7	2145	2152	2134			23	1	
5	QPSK	12	13	2134	2138	2145					
5	QPSK	25	0	2152	2137	2144					
5	16QAM	1	0	2141	2149	2138					
5	16QAM	1	12	2132	2135	2148			23	1	
5	16QAM	1	24	2142	2136	2135					
5	16QAM	12	0	2054	2050	2030					
5	16QAM	12	7	2041	2048	2038			22	2	
5	16QAM	12	13	2041	2046	2053					
5	16QAM	25	0	2042	2039	2048					
5	16QAM	1	12	2033	2043	2045			22	2	
5	16QAM	1	24	2049	2032	2039					
5	16QAM	12	0	1941	1937	1949					
5	16QAM	12	7	1949	1943	1925			21	3	
5	16QAM	12	13	1940	1942	1937					
5	256QAM	1	0	1743	1744	1731					
5	256QAM	1	12	1745	1747	1754			19	5	
5	256QAM	1	24	1745	1740	1734					
5	256QAM	12	0	1737	1738	1750					
5	256QAM	12	7	1745	1740	1738			19	5	
5	256QAM	12	13	1742	1744	1739					
5	256QAM	25	0	1744	1731	1741					

Band 41 Ant 0 DS14											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				39750	40186	40620	41055	41490			
20	QPSK	1	0	2596	2595	2635	2635	2680			
20	QPSK	1	0	2241	2247	2250	2246	2245			
20	QPSK	1	49	2239	2243	2247	2243	2244			
20	QPSK	1	99	2241	2245	2238	2247	2240		24	0
20	QPSK	50	0	2148	2157	2159	2154	2155			
20	QPSK	50	24	2151	2147	2152	2140	2149		23	1
20	QPSK	50	20	2143	2153	2146	2139	2152			
20	QPSK	100	0	2149	2158	2150	2154	2155			
20	16QAM	1	0	2147	2141	2160	2131	2156			
20	16QAM	1	49	2150	2150	2137	2157	2153		23	1
20	16QAM	1	99	2143	2144	2146	2148	2144			
20											



GSM850 Ant 1 DS4									
GSM850 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	152.2	158.4	164.6	128	132.2	138.4	144.6		
Frequency (MHz)	852.2	858.4	864.6		852.2	858.4	864.6		
GSM 1 Tx slot	31.88	32.75	32.98	33.50	22.88	23.75	23.98	24.50	
GPRS 1 Tx slot	31.96	32.65	32.96	33.50	22.96	23.65	23.96	24.50	
GPRS 2 Tx slots	29.67	30.56	30.56	31.50	23.67	24.56	24.50	25.50	
GPRS 3 Tx slots	28.12	28.97	28.88	30.00	23.88	24.71	24.62	25.14	
GPRS 4 Tx slots	25.52	27.16	27.47	27.50	22.52	24.18	24.47	24.50	
EDGE 1 Tx slot	25.81	26.82	26.54	27.00	18.81	17.52	17.54	18.00	
EDGE 2 Tx slots	23.47	23.27	23.32	23.00	18.47	19.27	19.32	20.00	
EDGE 3 Tx slots	22.91	23.84	23.76	24.50	18.65	19.58	19.50	20.24	
EDGE 4 Tx slots	21.23	22.16	22.18	23.00	18.23	19.16	19.18	20.00	

GSM1900 Ant 1 DS4									
GSM1900 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	152.2	158.4	164.6	128	132.2	138.4	144.6		
Frequency (MHz)	1852.2	1858.4	1864.6		1852.2	1858.4	1864.6		
GSM 1 Tx slot	27.21	28.24	28.28	29.00	18.21	19.24	19.28	20.00	
GPRS 1 Tx slot	27.33	28.24	28.35	29.00	18.33	19.24	19.35	20.00	
GPRS 2 Tx slots	24.54	25.85	25.75	26.50	18.54	19.85	19.75	20.50	
GPRS 3 Tx slots	23.14	24.29	24.18	25.00	18.88	20.00	19.80	20.74	
GPRS 4 Tx slots	21.53	22.45	22.77	23.50	18.53	19.45	19.77	20.50	
EDGE 1 Tx slot	22.55	23.78	23.77	24.50	13.55	14.78	14.77	15.50	
EDGE 2 Tx slots	21.68	22.65	22.78	23.50	15.68	16.65	16.78	17.50	
EDGE 3 Tx slots	20.05	21.05	21.15	22.00	15.79	16.79	16.88	17.74	
EDGE 4 Tx slots	18.49	19.53	19.55	20.00	15.49	16.53	16.55	17.00	

WCDMA II Ant 1 DS4				WCDMA IV Ant 1 DS4				WCDMA V Ant 1 DS4					
Band	WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1				
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9602	9800	9938	1537	1638	1738	4357	4407	4458				
RX Channel	9602	9800	9938	1537	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1860	1867.6	1712.4	1725.6	1732.6	826.4	834.4	842.6				
3GPP Ref #9	AMR 12.2Kbps	20.45	20.58	20.58	21.50	20.46	20.64	20.57	21.50	22.51	22.60	22.62	24.00
3GPP Ref #9	RMC 12.2Kbps	20.56	20.61	20.58	21.50	20.68	20.77	20.74	21.50	22.64	22.71	22.65	24.00
3GPP Ref #6	HSDPA Subtest-1	19.05	19.81	19.70	20.50	19.50	19.63	19.67	20.50	21.57	21.65	21.63	23.00
3GPP Ref #6	HSDPA Subtest-2	19.59	19.59	19.64	20.50	19.59	19.71	19.60	20.50	21.62	21.60	21.67	23.00
3GPP Ref #6	HSDPA Subtest-3	19.01	19.14	19.15	20.00	19.13	19.14	19.01	20.00	21.09	21.15	21.04	22.50
3GPP Ref #6	HSDPA Subtest-4	18.96	19.22	19.14	20.00	18.96	19.16	19.19	20.00	21.00	21.19	21.09	22.50
3GPP Ref #8	DC-HSDPA Subtest-1	19.56	19.62	19.64	20.50	19.57	19.60	19.63	20.50	21.59	21.69	21.66	23.00
3GPP Ref #8	DC-HSDPA Subtest-2	19.68	19.75	19.49	20.50	19.64	19.64	19.63	20.50	21.66	21.73	21.51	23.00
3GPP Ref #8	DC-HSDPA Subtest-3	19.08	19.04	19.07	20.00	19.03	19.16	19.03	20.00	20.97	21.15	21.15	22.50
3GPP Ref #8	DC-HSDPA Subtest-4	19.01	19.15	19.05	20.00	19.01	19.06	19.11	20.00	21.12	21.16	21.06	22.50
3GPP Ref #6	HSUPA Subtest-1	19.65	19.59	19.68	20.50	19.57	19.52	19.64	20.50	21.53	21.53	21.64	23.00
3GPP Ref #6	HSUPA Subtest-2	17.49	17.67	17.71	18.50	17.46	17.61	17.64	18.50	19.57	19.66	19.68	21.00
3GPP Ref #6	HSUPA Subtest-3	19.51	19.61	19.64	20.50	19.64	19.63	19.76	19.50	20.58	20.62	20.77	22.00
3GPP Ref #6	HSUPA Subtest-4	17.57	17.62	17.60	18.50	17.58	17.75	17.60	18.50	19.65	19.65	19.68	21.00
3GPP Ref #6	HSUPA Subtest-5	19.51	19.62	19.67	20.50	19.43	19.60	19.60	20.50	21.50	21.69	21.66	23.00



Band 2 Ant 1 DS14										
BW (MHz)	Modulation	RB Size (MHz)	RB Offset (MHz)	Power Ch./Freq. (dBm)	Power Low Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Turn-up (min)	Turn-off (min)	MPE (dB)	MPE (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.40	22.54	22.43			24	0
20	QPSK	1	48	22.40	22.54	22.48			24	0
20	QPSK	1	96	22.50	22.36	22.46			24	0
20	QPSK	50	0	21.40	21.62	21.57			23	1
20	QPSK	50	24	21.50	21.41	21.41			23	1
20	QPSK	50	50	21.52	21.43	21.50			23	1
20	QPSK	100	0	21.37	21.59	21.56			23	1
20	HQDM	1	0	21.36	21.53	21.38			23	1
20	HQDM	1	48	21.45	21.52	21.43			23	1
20	HQDM	1	96	21.54	21.50	21.54			23	1
20	HQDM	50	0	20.95	20.99	20.98			22	2
20	HQDM	50	24	20.47	20.55	20.42			22	2
20	HQDM	50	50	20.40	20.48	20.62			22	2
20	HQDM	100	0	20.54	20.45	20.47			22	2
20	HQDM	1	48	20.47	20.52	20.42			22	2
20	HQDM	1	96	20.46	20.54	20.46			22	2
20	HQDM	50	0	19.52	19.51	19.52			21	3
20	HQDM	50	24	19.67	19.50	19.43			21	3
20	HQDM	50	50	19.59	19.45	19.38			21	3
20	HQDM	100	0	19.59	19.46	19.34			21	3
20	HQDM	1	48	17.54	17.55	17.42			19	5
20	HQDM	1	96	17.54	17.58	17.55			19	5
20	HQDM	1	144	17.54	17.49	17.45			19	5
20	HQDM	50	0	17.59	17.59	17.59			19	5
20	HQDM	50	24	17.61	17.59	17.57			19	5
20	HQDM	50	50	17.50	17.57	17.47			19	5
20	HQDM	100	0	17.59	17.57	17.47			19	5
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.40	22.49	22.42			24	0
16	QPSK	1	37	22.31	22.24	22.27			24	0
16	QPSK	1	74	22.42	22.24	22.31			24	0
16	QPSK	36	0	21.44	21.47	21.43			23	1
16	QPSK	36	18	21.30	21.43	21.43			23	1
16	QPSK	36	36	21.37	21.34	21.42			23	1
16	HQDM	1	0	21.39	21.41	21.39			23	1
16	HQDM	1	37	21.44	21.38	21.46			23	1
16	HQDM	1	74	21.46	21.45	21.42			23	1
16	HQDM	36	0	20.46	20.53	20.28			22	2
16	HQDM	36	18	20.46	20.46	20.38			22	2
16	HQDM	36	36	20.46	20.46	20.46			22	2
16	HQDM	75	0	20.37	20.42	20.42			22	2
16	HQDM	1	0	20.53	20.30	20.48			22	2
16	HQDM	1	37	20.43	20.30	20.38			22	2
16	HQDM	1	74	20.54	20.57	20.57			22	2
16	HQDM	36	0	19.33	19.32	19.38			21	3
16	HQDM	36	18	19.43	19.36	19.31			21	3
16	HQDM	36	36	19.40	19.28	19.51			21	3
16	HQDM	75	0	19.53	19.36	19.37			21	3
16	HQDM	1	0	17.54	17.59	17.48			19	5
16	HQDM	1	37	17.38	17.39	17.49			19	5
16	HQDM	1	74	17.28	17.39	17.49			19	5
16	HQDM	36	0	17.52	17.38	17.46			19	5
16	HQDM	36	18	17.54	17.44	17.34			19	5
16	HQDM	36	36	17.44	17.59	17.46			19	5
16	HQDM	75	0	17.46	17.52	17.46			19	5
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.30	22.42	22.35			24	0
10	QPSK	1	25	22.19	22.35	22.26			24	0
10	QPSK	1	49	22.33	22.20	22.34			24	0
10	QPSK	40	0	21.45	21.61	21.58			23	1
10	QPSK	25	12	21.40	21.51	21.45			23	1
10	QPSK	25	25	21.38	21.45	21.34			23	1
10	HQDM	1	0	21.33	21.44	21.21			23	1
10	HQDM	1	25	21.40	21.38	21.35			23	1
10	HQDM	1	49	21.36	21.41	21.39			23	1
10	HQDM	40	0	20.51	20.48	20.26			22	2
10	HQDM	40	20	20.41	20.45	20.40			22	2
10	HQDM	40	40	20.38	20.35	20.35			22	2
10	HQDM	50	0	20.41	20.41	20.41			22	2
10	HQDM	50	25	20.37	20.47	20.37			22	2
10	HQDM	1	0	20.39	20.39	20.44			22	2
10	HQDM	1	25	20.36	20.46	20.36			22	2
10	HQDM	1	49	20.49	20.46	20.32			22	2
10	HQDM	25	0	19.42	19.38	19.40			21	3
10	HQDM	25	12	19.46	19.35	19.28			21	3
10	HQDM	25	25	19.53	19.39	19.46			21	3
10	HQDM	50	0	19.54	19.29	19.32			21	3
10	HQDM	1	0	17.44	17.47	17.46			19	5
10	HQDM	1	49	17.32	17.41	17.46			19	5
10	HQDM	1	96	17.36	17.37	17.47			19	5
10	HQDM	40	0	17.44	17.32	17.42			19	5
10	HQDM	40	20	17.42	17.33	17.32			19	5
10	HQDM	40	40	17.43	17.38	17.47			19	5
10	HQDM	50	0	17.43	17.38	17.50			19	5
10	HQDM	50	25	17.40	17.32	17.41			19	5
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.45	22.43	22.41			24	0
5	QPSK	1	12	22.22	22.33	22.27			24	0
5	QPSK	1	24	22.36	22.24	22.26			24	0
5	QPSK	12	0	21.45	21.54	21.52			23	1
5	QPSK	12	7	21.36	21.41	21.38			23	1
5	QPSK	12	13	21.45	21.35	21.43			23	1
5	QPSK	25	0	21.48	21.38	21.43			23	1
5	HQDM	1	0	21.31	21.46	21.35			23	1
5	HQDM	1	12	21.35	21.27	21.31			23	1
5	HQDM	1	24	21.46	21.34	21.38			23	1
5	HQDM	12	0	20.46	20.56	20.26			22	2
5	HQDM	12	7	20.41	20.59	20.36			22	2
5	HQDM	12	13	20.36	20.44	20.42			22	2
5	HQDM	25	0	20.34	20.40	20.41			22	2
5	HQDM	1	0	20.53	20.39	20.51			22	2
5	HQDM	1	12	20.36	20.38	20.38			22	2
5	HQDM	1	24	20.40	20.40	20.28			22	2
5	HQDM	12	0	19.40	19.33	19.48			21	3
5	HQDM	12	7	19.46	19.24	19.38			21	3
5	HQDM	12	13	19.39	19.29	19.53			21	3
5	HQDM	25	0	19.40	19.32	19.33			21	3
5	HQDM	1	0	17.44	17.43	17.38			19	5
5	HQDM	1	12	17.40	17.48	17.48			19	5
5	HQDM	1	24	17.36	17.35	17.43			19	5
5	HQDM	12	0	17.44	17.40	17.40			19	5
5	HQDM	12	7	17.42	17.45	17.32			19	5
5	HQDM	12	13	17.42	17.50	17.51			19	5
5	HQDM	25	0	17.40	17.50	17.50			19	5
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.45	22.43	22.41			24	0
1.4	QPSK	1	3	22.24	22.36	22.30			24	0
1.4	QPSK	1	6	22.43	22.17	22.32			24	0
1.4	QPSK	1	9	22.28	22.41	22.36			24	0
1.4	QPSK	3	0	21.44	21.47	21.47			23	1
1.4	QPSK	3	3	21.43	21.45	21.46			23	1
1.4	QPSK	3	6	21.41	21.45	21.38			23	1
1.4	QPSK	8	0	21.48	21.38	21.46			23	1
1.4	HQDM	1	0	21.29	21.50	21.35			23	1
1.4	HQDM	1	8	21.31	21.28	21.40			23	1
1.4	HQDM	1	14	21.39	21.21	21.47			23	1
1.4	HQDM	8	0	20.52	20.50	20.38			22	2
1.4	HQDM	8	4	20.41	20.47	20.37			22	2
1.4	HQDM	8								



Band 12 Ant 1 DS14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MFR (dB)	Tune-up (dB)	MFR (dB)
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.50	22.48				
10	QPSK	1	25	22.31	22.34	22.48	24	0		
10	QPSK	1	49	22.42	22.31	22.40				
10	QPSK	25	0	21.42	21.56	21.55				
10	QPSK	25	12	21.49	21.52	21.41	23	1		
10	QPSK	25	25	21.43	21.33	21.38				
10	QPSK	50	0	21.48	21.53	21.50				
10	16QAM	1	0	21.35	21.52	21.33	23	1		
10	16QAM	1	25	21.38	21.48	21.39				
10	16QAM	1	49	21.47	21.43	21.46				
10	16QAM	25	0	20.59	20.39	20.30	22	2		
10	16QAM	25	12	20.59	20.58	20.31				
10	16QAM	25	25	20.22	20.44	20.37				
10	16QAM	50	0	20.42	20.55	20.27				
10	16QAM	1	0	20.42	20.34	20.40				
10	16QAM	1	25	20.26	20.42	20.36	22	2		
10	16QAM	1	49	20.49	20.45	20.45				
10	16QAM	25	0	19.41	19.43	19.54				
10	16QAM	25	12	19.56	19.42	19.47	21	3		
10	16QAM	25	25	19.50	19.35	19.35				
10	16QAM	50	0	19.47	19.43	19.35				
10	16QAM	1	0	17.62	17.53	17.58				
10	16QAM	1	25	17.43	17.50	17.51	19	5		
10	16QAM	1	49	17.45	17.37	17.44				
10	16QAM	25	0	17.49	17.52	17.52	19	5		
10	16QAM	25	12	17.41	17.50	17.52				
10	16QAM	25	25	17.38	17.57	17.49				
10	16QAM	50	0	17.50	17.43	17.43				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.42	22.41	22.27				
5	QPSK	1	12	22.30	22.47	22.41	24	0		
5	QPSK	1	24	22.41	22.20	22.37				
5	QPSK	12	0	21.38	21.58	21.45				
5	QPSK	12	7	21.41	21.52	21.39	23	1		
5	QPSK	12	13	21.41	21.40	21.52				
5	16QAM	1	0	21.41	21.52	21.39	23	1		
5	16QAM	1	12	21.30	21.37	21.42				
5	16QAM	1	24	21.38	21.41	21.50				
5	16QAM	12	0	20.51	20.31	20.30	22	2		
5	16QAM	12	7	20.53	20.40	20.31				
5	16QAM	12	13	20.34	20.45	20.36				
5	16QAM	25	0	20.42	20.57	20.48				
5	16QAM	1	0	20.38	20.39	20.30	22	2		
5	16QAM	1	12	20.34	20.45	20.36				
5	16QAM	1	24	20.45	20.47	20.30				
5	16QAM	12	0	19.42	19.44	19.49				
5	16QAM	12	7	19.43	19.38	19.35	21	3		
5	16QAM	12	13	19.43	19.38	19.37				
5	16QAM	25	0	19.48	19.35	19.25				
5	16QAM	1	0	17.51	17.52	17.52				
5	16QAM	1	12	17.50	17.46	17.55	19	5		
5	16QAM	1	24	17.34	17.33	17.37				
5	16QAM	12	0	17.46	17.46	17.46	19	5		
5	16QAM	12	7	17.46	17.37	17.41				
5	16QAM	12	13	17.38	17.41	17.39				
5	16QAM	25	0	17.41	17.33	17.41				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.48	22.45	22.27				
3	QPSK	1	8	22.28	22.38	22.43	24	0		
3	QPSK	1	14	22.48	22.31	22.31				
3	QPSK	8	0	21.41	21.56	21.44	23	1		
3	QPSK	8	4	21.39	21.51	21.34				
3	QPSK	8	7	21.49	21.35	21.48				
3	QPSK	16	0	20.42	20.41	20.34	23	1		
3	16QAM	1	0	21.20	21.38	21.30				
3	16QAM	1	8	21.34	21.44	21.41	23	1		
3	16QAM	1	14	21.34	21.46	21.41				
3	16QAM	8	0	20.53	20.37	20.30	22	2		
3	16QAM	8	4	20.35	20.47	20.28				
3	16QAM	8	7	20.32	20.30	20.46				
3	16QAM	16	0	20.41	20.46	20.42				
3	16QAM	1	0	20.42	20.42	20.43	22	2		
3	16QAM	1	8	20.33	20.48	20.30				
3	16QAM	1	14	20.45	20.50	20.34				
3	16QAM	8	0	19.43	19.44	19.35	21	3		
3	16QAM	8	4	19.20	19.38	19.36				
3	16QAM	8	7	19.49	19.51	19.49				
3	16QAM	16	0	19.54	19.40	19.20				
3	16QAM	1	0	17.53	17.48	17.34	19	5		
3	16QAM	1	8	17.39	17.51	17.48				
3	16QAM	1	14	17.34	17.34	17.45				
3	16QAM	8	0	17.29	17.41	17.41	19	5		
3	16QAM	8	4	17.57	17.47	17.52				
3	16QAM	8	7	17.48	17.51	17.38				
3	16QAM	16	0	17.41	17.30	17.46	19	5		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.48	22.32	22.45				
1.4	QPSK	1	3	22.20	22.35	22.14	24	0		
1.4	QPSK	1	5	22.42	22.28	22.39				
1.4	QPSK	3	0	22.27	22.34	22.44	23	1		
1.4	QPSK	3	1	22.41	22.33	22.32				
1.4	QPSK	3	3	22.47	22.37	22.43	23	1		
1.4	QPSK	6	0	21.36	21.36	21.37				
1.4	16QAM	1	0	21.42	21.46	21.23	23	1		
1.4	16QAM	1	3	21.39	21.31	21.27				
1.4	16QAM	1	5	21.27	21.38	21.38				
1.4	16QAM	3	0	21.31	21.48	21.29	22	2		
1.4	16QAM	3	1	21.45	21.47	21.28				
1.4	16QAM	3	3	21.38	21.46	21.41				
1.4	16QAM	6	0	20.33	20.40	20.37	22	2		
1.4	16QAM	1	0	20.55	20.43	20.50				
1.4	16QAM	1	3	20.37	20.38	20.38	22	2		
1.4	16QAM	1	5	20.41	20.40	20.39				
1.4	16QAM	3	0	20.40	20.37	20.40				
1.4	16QAM	3	1	20.38	20.36	20.32	21	3		
1.4	16QAM	3	3	20.47	20.32	20.42				
1.4	16QAM	6	0	19.48	19.33	19.34	19	5		
1.4	16QAM	6	0	17.40	17.51	17.50				
1.4	16QAM	1	3	17.42	17.51	17.52				
1.4	16QAM	1	5	17.50	17.44	17.40	19	5		
1.4	16QAM	3	0	17.53	17.45	17.53				
1.4	16QAM	3	1	17.50	17.45	17.25				
1.4	16QAM	3	3	17.45	17.57	17.26	19	5		
1.4	16QAM	6	0	17.50	17.36	17.58				

Band 13 Ant 1 DS14 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MFR (dB)	Tune-up (dB)	MFR (dB)
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.48	22.48	22.48				
10	16QAM	1	25	22.45	22.45	22.39	24	0		
10	16QAM	1	49	22.32	22.32	22.32				
10	16QAM	25	0	21.54	21.54	21.42	23	1		
10	16QAM	25	12	21.52	21.52	21.52				
10	16QAM	25	25	21.52	21.52	21.52				
10	16QAM	50	0	21.51	21.51	21.51	23	1		
10	16QAM	1	0	21.45	21.45	21.45				
10	16QAM	1	25	21.45	21.45	21.45				
10	16QAM	1	49	21.38	21.38	21.38				
10	16QAM	25	0	20.51	20.51	20.51	22	2		
10	16QAM	25	12	20.48	20.48	20.48				
10	16QAM	25	25	20.48	20.48	20.48				
10	16QAM	50	0	20.30	20.30	20.30	22	2		
10	16QAM	1	0	20.44						



Band 25 Ant 1 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-slot (min)	MPE (dB)	MPE (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.56	22.61	22.56	24	0	0
20	QPSK	1	48	22.56	22.61	22.56	24	0	0
20	QPSK	1	96	22.51	22.38	22.41	24	0	0
20	QPSK	50	0	21.53	21.68	21.57	23	1	1
20	QPSK	50	24	21.48	21.54	21.48	23	1	1
20	QPSK	50	50	21.59	21.46	21.49	23	1	1
20	QPSK	100	0	21.62	21.65	21.53	23	1	1
20	HQAM	1	0	21.38	21.46	21.33	23	1	1
20	HQAM	1	48	21.52	21.56	21.47	23	1	1
20	HQAM	1	96	21.48	21.57	21.58	23	1	1
20	HQAM	50	0	20.58	20.58	20.38	22	2	2
20	HQAM	50	24	20.55	20.58	20.38	22	2	2
20	HQAM	50	50	20.45	20.53	20.58	22	2	2
20	HQAM	100	0	20.57	20.58	20.57	22	2	2
20	HQAM	1	0	20.56	20.43	20.45	22	2	2
20	HQAM	1	48	20.54	20.46	20.47	22	2	2
20	HQAM	1	96	20.54	20.56	20.45	22	2	2
20	HQAM	50	0	19.50	19.54	19.56	21	3	3
20	HQAM	50	24	19.54	19.43	19.45	21	3	3
20	HQAM	50	50	19.57	19.46	19.50	21	3	3
20	HQAM	100	0	19.54	19.43	19.31	21	3	3
20	HQAM	1	0	17.63	17.76	17.47	19	5	5
20	2BQAM	1	48	17.48	17.58	17.57	19	5	5
20	2BQAM	1	96	17.43	17.44	17.57	19	5	5
20	2BQAM	50	0	17.54	17.54	17.44	19	5	5
20	2BQAM	50	24	17.67	17.54	17.53	19	5	5
20	2BQAM	50	50	17.49	17.61	17.46	19	5	5
20	2BQAM	100	0	17.48	17.48	17.58	19	5	5
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.49	22.46	22.36	24	0	0
15	QPSK	1	48	22.32	22.43	22.43	24	0	0
15	QPSK	1	96	22.42	22.38	22.45	24	0	0
15	QPSK	50	0	21.44	21.68	21.63	23	1	1
15	QPSK	50	24	21.44	21.58	21.47	23	1	1
15	QPSK	50	50	21.55	21.49	21.50	23	1	1
15	HQAM	1	0	21.50	21.47	21.63	23	1	1
15	HQAM	1	48	21.28	21.47	21.34	23	1	1
15	HQAM	1	96	21.49	21.58	21.52	23	1	1
15	HQAM	50	0	20.63	20.44	20.39	22	2	2
15	HQAM	50	24	20.43	20.37	20.39	22	2	2
15	HQAM	50	50	20.52	20.56	20.51	22	2	2
15	HQAM	100	0	20.57	20.52	20.44	22	2	2
15	HQAM	1	0	19.48	19.48	19.38	21	3	3
15	HQAM	1	48	19.50	19.43	19.56	21	3	3
15	HQAM	1	96	19.51	19.53	19.31	21	3	3
15	2BQAM	1	48	17.54	17.54	17.44	19	5	5
15	2BQAM	1	96	17.57	17.57	17.57	19	5	5
15	2BQAM	50	0	17.37	17.48	17.50	19	5	5
15	2BQAM	50	24	17.46	17.54	17.54	19	5	5
15	2BQAM	50	50	17.55	17.55	17.54	19	5	5
15	2BQAM	100	0	17.53	17.53	17.53	19	5	5
15	2BQAM	1	0	17.43	17.48	17.58	19	5	5
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.56	22.46	22.55	24	0	0
10	QPSK	1	48	22.32	22.58	22.55	24	0	0
10	QPSK	1	96	22.34	22.38	22.55	24	0	0
10	QPSK	50	0	22.57	22.37	22.43	24	0	0
10	QPSK	50	24	21.46	21.68	21.63	23	1	1
10	QPSK	50	50	21.47	21.67	21.47	23	1	1
10	HQAM	1	0	21.34	21.49	21.44	23	1	1
10	HQAM	1	48	21.52	21.58	21.49	23	1	1
10	HQAM	1	96	21.56	21.46	21.47	23	1	1
10	HQAM	50	0	20.61	20.52	20.44	22	2	2
10	HQAM	50	24	20.50	20.56	20.40	22	2	2
10	HQAM	50	50	20.54	20.54	20.58	22	2	2
10	HQAM	100	0	20.47	20.47	20.45	22	2	2
10	HQAM	1	0	20.53	20.58	20.55	22	2	2
10	HQAM	1	48	20.53	20.46	20.45	22	2	2
10	HQAM	1	96	19.45	19.46	19.53	21	3	3
10	HQAM	1	144	19.51	19.48	19.48	21	3	3
10	HQAM	50	0	19.63	19.46	19.57	21	3	3
10	HQAM	50	24	19.63	19.46	19.39	21	3	3
10	HQAM	50	50	19.56	19.46	19.38	21	3	3
10	2BQAM	1	48	17.47	17.53	17.53	19	5	5
10	2BQAM	1	96	17.51	17.42	17.56	19	5	5
10	2BQAM	50	0	17.42	17.46	17.54	19	5	5
10	2BQAM	50	24	17.48	17.56	17.51	19	5	5
10	2BQAM	50	50	17.55	17.50	17.53	19	5	5
10	2BQAM	100	0	17.50	17.41	17.57	19	5	5
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.65	22.54	22.63	24	0	0
5	QPSK	1	24	22.29	22.58	22.56	24	0	0
5	QPSK	1	48	22.54	22.33	22.44	24	0	0
5	QPSK	50	0	21.51	21.68	21.65	23	1	1
5	QPSK	50	24	21.48	21.60	21.41	23	1	1
5	QPSK	100	0	21.44	21.43	21.43	23	1	1
5	HQAM	1	0	21.33	21.50	21.41	23	1	1
5	HQAM	1	48	21.45	21.47	21.51	23	1	1
5	HQAM	1	96	21.57	21.43	21.52	23	1	1
5	HQAM	50	0	20.63	20.52	20.42	22	2	2
5	HQAM	50	24	20.53	20.62	20.40	22	2	2
5	HQAM	50	50	20.48	20.54	20.58	22	2	2
5	HQAM	100	0	20.47	20.47	20.45	22	2	2
5	HQAM	1	0	20.53	20.58	20.55	22	2	2
5	HQAM	1	48	20.53	20.46	20.45	22	2	2
5	HQAM	1	96	19.45	19.46	19.53	21	3	3
5	HQAM	1	144	19.51	19.48	19.48	21	3	3
5	HQAM	50	0	19.63	19.46	19.57	21	3	3
5	HQAM	50	24	19.63	19.46	19.39	21	3	3
5	HQAM	50	50	19.56	19.46	19.38	21	3	3
5	2BQAM	1	48	17.47	17.53	17.53	19	5	5
5	2BQAM	1	96	17.51	17.42	17.56	19	5	5
5	2BQAM	50	0	17.42	17.46	17.54	19	5	5
5	2BQAM	50	24	17.48	17.56	17.51	19	5	5
5	2BQAM	50	50	17.55	17.50	17.53	19	5	5
5	2BQAM	100	0	17.50	17.41	17.57	19	5	5
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.43	22.61	22.43	24	0	0
3	QPSK	1	48	22.39	22.58	22.52	24	0	0
3	QPSK	1	96	22.45	22.33	22.47	24	0	0
3	QPSK	50	0	21.43	21.68	21.65	23	1	1
3	QPSK	50	24	21.44	21.55	21.43	23	1	1
3	QPSK	50	50	21.57	21.46	21.42	23	1	1
3	HQAM	1	0	21.32	21.51	21.38	23	1	1
3	HQAM	1	48	21.52	21.60	21.52	23	1	1
3	HQAM	1	96	21.47	21.58	21.61	23	1	1
3	HQAM	50	0	20.56	20.46	20.28	22	2	2
3	HQAM	50	24	20.47	20.52	20.48	22	2	2
3	HQAM	50	50	20.35	20.43	20.62	22	2	2
3	HQAM	100	0	20.48	20.57	20.53	22	2	2
3	HQAM	1	0	20.58	20.47	20.49	22	2	2
3	HQAM	1	48	20.43	20.52	20.42	22	2	2
3	HQAM	1	96	19.44	19.49	19.54	21	3	3
3	HQAM	1	144	19.52	19.49	19.44	21	3	3
3	HQAM	50	0	19.61	19.43	19.56	21	3	3
3	HQAM	50	24	19.67	19.45	19.56	21	3	3
3	HQAM	50	50	19.62	19.41	19.48	21	3	3
3	2BQAM	1	48	17.59	17.54	17.50	19	5	5
3	2BQAM	1	96	17.48	17.48	17.48	19	5	5
3	2BQAM	50	0	17.43	17.45	17.50	19	5	5
3	2BQAM	50	24	17.54	17.43	17.55	19	5	5
3	2BQAM	50	50	17.41	17.56	17.56	19	5	5



Band 38 Ant 1 DS14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				38750	38800	38150				
Frequency (MHz)										
20	QPSK	1	0	22.91	22.95	22.88				
20	QPSK	1	49	22.80	22.81	22.80		24	0	
20	QPSK	1	99	22.78	22.72	22.80				
20	QPSK	50	0	21.82	21.86	21.86				
20	QPSK	50	24	21.82	21.81	21.74		23	1	
20	QPSK	50	50	21.81	21.80	21.82				
20	QPSK	100	0	21.81	21.88	21.82				
20	HQAM	1	0	21.74	21.85	21.88				
20	HQAM	1	49	21.87	21.85	21.84		23	1	
20	HQAM	1	99	21.84	21.89	21.83				
20	HQAM	50	0	21.01	20.88	20.72				
20	HQAM	50	24	20.85	20.92	20.82		22	2	
20	HQAM	50	50	20.78	20.83	21.05				
20	HQAM	100	0	20.80	21.01	20.92				
20	HQAM	1	0	20.83	20.81	20.81				
20	HQAM	1	49	20.82	20.90	20.78		22	2	
20	HQAM	1	99	20.77	20.84	20.84				
20	HQAM	50	24	19.98	19.98	19.84		21	3	
20	HQAM	50	50	19.88	19.77	20.02				
20	HQAM	100	0	19.89	19.82	19.73				
20	SSQAM	1	0	18.03	18.01	17.79		19	5	
20	SSQAM	1	49	17.97	17.97	18.07				
20	SSQAM	1	99	17.76	17.77	17.86				
20	SSQAM	50	0	17.77	17.79	17.94		19	5	
20	SSQAM	50	24	17.87	17.92	17.87				
20	SSQAM	50	50	17.82	17.84	17.86				
20	SSQAM	100	0	17.82	17.85	18.03				
Channel				38755	38800	38175		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
15	QPSK	1	0	22.85	22.86	22.87				
15	QPSK	1	49	22.81	22.82	22.82		24	0	
15	QPSK	1	74	22.84	22.72	22.74				
15	QPSK	36	0	21.74	21.89	21.81				
15	QPSK	36	20	21.74	21.87	21.83		23	1	
15	QPSK	36	39	21.82	21.80	21.87				
15	QPSK	75	0	21.80	21.92	21.84				
15	HQAM	1	0	21.69	21.81	21.72				
15	HQAM	1	37	21.75	21.84	21.81		23	1	
15	HQAM	1	74	21.83	21.74	21.81				
15	HQAM	36	0	20.80	20.86	20.87		22	2	
15	HQAM	36	39	20.77	20.71	20.86				
15	HQAM	75	0	20.77	20.83	20.77				
15	HQAM	36	39	19.87	19.73	19.86		22	2	
15	HQAM	1	37	20.72	20.89	20.64				
15	HQAM	1	74	20.80	20.88	20.70				
15	HQAM	36	0	18.80	18.74	18.88				
15	HQAM	36	20	19.85	19.86	19.85		21	3	
15	HQAM	75	0	19.87	19.79	19.89				
15	HQAM	36	39	17.86	17.94	17.79		19	5	
15	SSQAM	1	37	17.83	17.91	18.00				
15	SSQAM	1	74	17.88	17.85	17.87				
15	SSQAM	36	0	17.80	17.75	17.93		19	5	
15	SSQAM	36	20	17.83	17.76	17.93				
15	SSQAM	36	39	17.81	17.75	17.96				
Channel				38755	38800	38175		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
10	QPSK	1	0	22.75	22.82	22.71				
10	QPSK	1	25	22.76	22.88	22.79		24	0	
10	QPSK	1	49	22.81	22.85	22.82				
10	QPSK	25	0	21.72	21.90	21.95				
10	QPSK	25	12	21.79	21.83	21.86		23	1	
10	QPSK	25	25	21.77	21.77	21.77				
10	QPSK	50	0	21.82	21.87	21.93				
10	HQAM	1	49	21.80	21.86	21.78		23	1	
10	HQAM	1	25	21.73	21.84	21.86				
10	HQAM	1	49	21.87	21.83	21.78				
10	HQAM	25	0	20.89	20.77	20.71		22	2	
10	HQAM	25	12	20.85	20.84	20.86				
10	HQAM	25	25	20.84	20.85	20.85				
10	HQAM	50	0	20.80	20.95	20.80				
10	HQAM	1	0	20.88	20.76	20.76		22	2	
10	HQAM	1	25	20.80	20.78	20.75				
10	HQAM	25	0	19.88	19.78	19.81		21	3	
10	HQAM	25	12	19.84	19.81	19.81				
10	HQAM	25	25	19.86	19.80	19.85				
10	HQAM	50	0	19.88	19.79	19.81				
10	HQAM	1	25	17.85	17.98	17.84		19	5	
10	SSQAM	1	25	17.87	17.90	18.01				
10	SSQAM	1	49	17.88	17.72	17.84				
10	SSQAM	25	0	17.84	17.80	17.82				
10	SSQAM	25	12	17.85	17.76	17.89		19	5	
10	SSQAM	25	25	17.80	17.84	17.70				
10	SSQAM	50	0	17.82	17.84	18.00				
Channel				38775	38800	38225		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
5	QPSK	1	0	22.80	22.84	22.86				
5	QPSK	1	12	22.85	22.75	22.73		24	0	
5	QPSK	1	24	22.77	22.73	22.76				
5	QPSK	12	0	21.75	21.96	21.81				
5	QPSK	12	7	21.77	21.87	21.71		23	1	
5	QPSK	12	13	21.84	21.70	21.85				
5	QPSK	25	0	21.84	21.94	21.91				
5	HQAM	1	0	21.83	21.85	21.74				
5	HQAM	1	49	21.81	21.86	21.79		23	1	
5	HQAM	1	24	21.84	21.77	21.85				
5	HQAM	12	0	20.82	20.75	20.74				
5	HQAM	12	7	20.73	20.77	20.79		22	2	
5	HQAM	12	13	20.82	20.73	20.96				
5	HQAM	25	0	20.87	20.80	20.91				
5	HQAM	1	24	20.85	20.89	20.70		22	2	
5	HQAM	1	49	20.81	20.86	20.81				
5	HQAM	12	7	19.89	19.83	19.86		21	3	
5	HQAM	12	13	19.85	19.79	19.88				
5	HQAM	25	0	19.90	19.71	19.64				
5	SSQAM	1	0	17.91	17.88	17.92		19	5	
5	SSQAM	1	12	17.91	17.86	17.95				
5	SSQAM	1	24	17.75	17.81	17.83				
5	SSQAM	12	0	17.71	17.76	17.62				
5	SSQAM	12	7	17.90	17.78	17.85		19	5	
5	SSQAM	12	13	17.81	17.89	17.79				
5	SSQAM	25	0	17.80	17.70	17.92				

Band 41 Ant 1 DS14											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)											
20	QPSK	1	0	22.75	22.81	22.77	22.61	22.68			
20	QPSK	1	49	22.72	22.85	22.84	22.74	22.70		24	
20	QPSK	1	99	22.58	22.45	22.82	22.46	22.47			
20	QPSK	50	0	21.68	21.83	21.78	21.69	21.71			
20	QPSK	50	24	21.68	21.81	21.75	21.52	21.73		23	
20	QPSK	50	50	21.70	21.51	21.72	21.51	21.52			
20	QPSK	100	0	21.71	21.77	21.78	21.73	21.76			
20	HQAM	1	0	21.44	21.70	21.53	21.75	21.69			
20	HQAM	1	49	21.65	21.74	21.70	21.64	21.71		23	
20	HQAM	1	99	21.71	21.89	21.98	21.58	21.61			
20	HQAM	50	0	20.70	20.69	20.44	20.67	20.67			
20	HQAM	50	24	20.65	20.72	20.81	20.69	20.69		22	
20	HQAM	50	50	20.53	20.67	20.72	20.68	20.63			
20	HQAM	100	0	20.67	20.69	20.68	20.77	20.67			
20	HQAM	1	0	20.64	20.52	20.68	20.61	20.58			
20	HQAM	1	49	20.62	20.68	20.56	20.75	20.68		22	
20	HQAM	1	99	20.65	20.75	20.55	20.71	20.65			
20	HQAM	50	24	19.89	19.71	19.53	19.69	19.62		21	
20	HQAM	50	50	19.78	19.67	19.85	19.53	19.54			
20	HQAM	100	0	19.73	19.63	19.50	19.63	19.65			
20	SSQAM	1	0	17.86	17.81	17.57	17.87	17.80		19	
20	SSQAM	1	49	17.68	17.67	17.62	17.62	17.71			
20	SSQAM	1	99	17.53	17.57	17.66	17.59	17.70			
20	SSQAM	50	0	17.61	17.60	17.66	17.64	17.59		21	
20	SSQAM	50	24	17.69	17.69	17.71	17.60	17.67			
20	SSQAM	50	50	17.62	17.71	17.62	17.62	17.76		19	
20	SSQAM	100	0	17.63	17.65	17.70	17.64	17.57			
Channel				39755	40173	40620	41058	41515		turn-up limit (dBm)	MPR (dB)
Frequency (MHz)											
15	QPSK	1	0	22.56	22.63	22.55	22.61	22.64			
15	QPSK	1	47	22.57	22.59	22.56	22.57	22.57		24	0
15	QPSK	1	74	22.53	22.48	22.50	22.53	22.39			
15	QPSK	36	0	21.53	21.74	21.71	21.74	21.71			
15	QPSK										



GSM1900 Ant 2 DS14

GSM1900 Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1863	1869.8		1852.2	1863	1869.8	
GSM 1 Tx slot	28.60	29.98	29.60	30.50	19.60	20.98	20.60	21.50
GPRS 1 Tx slot	28.65	30.03	29.65	30.50	19.65	21.03	20.65	21.50
GPRS 2 Tx slot	28.55	27.87	27.71	28.50	20.55	21.87	21.71	22.50
GPRS 3 Tx slot	28.01	28.18	28.12	27.00	20.75	21.83	21.86	22.14
GPRS 4 Tx slot	23.51	24.55	24.28	25.50	20.51	21.55	21.28	22.50
EDGE 1 Tx slot	24.74	25.69	26.07	26.50	15.74	16.69	17.07	17.50
EDGE 2 Tx slot	23.58	24.55	24.93	25.50	17.58	18.55	18.93	19.50
EDGE 3 Tx slot	22.00	23.18	23.34	24.00	17.74	18.90	19.08	19.74
EDGE 4 Tx slot	20.52	21.58	21.77	22.50	17.52	18.58	18.77	19.50

WCDMA II Ant 2 DS14

WCDMA IV Ant 2 DS14

Band	WCDMA II Ant 2			Tune-up Limit (dBm)	WCDMA IV Ant 2			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513	
TX Channel	9282	9400	9538		1312	1413	1513	
RX Channel	9652	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1723.8	1723.8	
3GPP Rel 99	AMR 12.2Kbps	22.34	22.43	22.42	24.00	22.45	22.35	22.47
3GPP Rel 99	RMC 12.2Kbps	22.34	22.45	22.43	24.00	22.43	22.51	22.45
3GPP Rel 6	HSDPA Subtest-1	21.20	21.28	21.44	23.00	21.41	21.47	23.00
3GPP Rel 6	HSDPA Subtest-2	21.41	21.41	21.53	23.00	21.44	21.42	21.43
3GPP Rel 6	HSDPA Subtest-3	20.82	21.01	20.88	22.50	20.87	20.82	20.82
3GPP Rel 6	HSDPA Subtest-4	20.86	20.92	20.85	22.50	20.84	20.86	20.86
3GPP Rel 6	DC-HSDPA Subtest-1	21.32	21.54	21.48	23.00	21.37	21.42	21.42
3GPP Rel 6	DC-HSDPA Subtest-2	21.41	21.48	21.20	23.00	21.52	21.51	21.36
3GPP Rel 6	DC-HSDPA Subtest-3	20.77	20.88	20.83	22.50	20.74	20.90	21.01
3GPP Rel 6	DC-HSDPA Subtest-4	20.92	20.85	20.85	22.50	20.94	20.95	20.81
3GPP Rel 6	HSUPA Subtest-1	21.40	21.37	21.48	23.00	21.38	21.40	21.40
3GPP Rel 6	HSUPA Subtest-2	19.41	19.45	19.49	21.00	19.31	19.52	19.44
3GPP Rel 6	HSUPA Subtest-3	20.37	20.44	20.52	22.00	20.45	20.38	20.58
3GPP Rel 6	HSUPA Subtest-4	19.34	19.43	19.45	21.00	19.34	19.47	19.53
3GPP Rel 6	HSUPA Subtest-5	21.38	21.50	21.52	23.00	21.38	21.53	21.49



Band 2 Ant 2 DS14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Ch. / Freq.	Turnup (dBm)	APRS (dB)
Channel: 1860 1860 1860								
20	QPSK	1	0	22.48	22.49	22.44	24	0
20	QPSK	1	6	22.41	22.42	22.36	24	0
20	QPSK	1	12	22.36	22.37	22.31	24	0
20	QPSK	1	18	22.31	22.32	22.26	24	0
20	QPSK	1	24	22.26	22.27	22.21	24	0
20	QPSK	1	30	22.21	22.22	22.16	24	0
20	QPSK	1	36	22.16	22.17	22.11	24	0
20	QPSK	1	42	22.11	22.12	22.06	24	0
20	QPSK	1	48	22.06	22.07	22.01	24	0
20	QPSK	1	54	22.01	22.02	21.96	24	0
20	QPSK	1	60	21.96	21.97	21.91	24	0
20	QPSK	1	66	21.91	21.92	21.86	24	0
20	QPSK	1	72	21.86	21.87	21.81	24	0
20	QPSK	1	78	21.81	21.82	21.76	24	0
20	QPSK	1	84	21.76	21.77	21.71	24	0
20	QPSK	1	90	21.71	21.72	21.66	24	0
20	QPSK	1	96	21.66	21.67	21.61	24	0
20	QPSK	1	102	21.61	21.62	21.56	24	0
20	QPSK	1	108	21.56	21.57	21.51	24	0
20	QPSK	1	114	21.51	21.52	21.46	24	0
20	QPSK	1	120	21.46	21.47	21.41	24	0
20	QPSK	1	126	21.41	21.42	21.36	24	0
20	QPSK	1	132	21.36	21.37	21.31	24	0
20	QPSK	1	138	21.31	21.32	21.26	24	0
20	QPSK	1	144	21.26	21.27	21.21	24	0
20	QPSK	1	150	21.21	21.22	21.16	24	0
20	QPSK	1	156	21.16	21.17	21.11	24	0
20	QPSK	1	162	21.11	21.12	21.06	24	0
20	QPSK	1	168	21.06	21.07	21.01	24	0
20	QPSK	1	174	21.01	21.02	20.96	24	0
20	QPSK	1	180	20.96	20.97	20.91	24	0
20	QPSK	1	186	20.91	20.92	20.86	24	0
20	QPSK	1	192	20.86	20.87	20.81	24	0
20	QPSK	1	198	20.81	20.82	20.76	24	0
20	QPSK	1	204	20.76	20.77	20.71	24	0
20	QPSK	1	210	20.71	20.72	20.66	24	0
20	QPSK	1	216	20.66	20.67	20.61	24	0
20	QPSK	1	222	20.61	20.62	20.56	24	0
20	QPSK	1	228	20.56	20.57	20.51	24	0
20	QPSK	1	234	20.51	20.52	20.46	24	0
20	QPSK	1	240	20.46	20.47	20.41	24	0
20	QPSK	1	246	20.41	20.42	20.36	24	0
20	QPSK	1	252	20.36	20.37	20.31	24	0
20	QPSK	1	258	20.31	20.32	20.26	24	0
20	QPSK	1	264	20.26	20.27	20.21	24	0
20	QPSK	1	270	20.21	20.22	20.16	24	0
20	QPSK	1	276	20.16	20.17	20.11	24	0
20	QPSK	1	282	20.11	20.12	20.06	24	0
20	QPSK	1	288	20.06	20.07	20.01	24	0
20	QPSK	1	294	20.01	20.02	19.96	24	0
20	QPSK	1	300	19.96	19.97	19.91	24	0
20	QPSK	1	306	19.91	19.92	19.86	24	0
20	QPSK	1	312	19.86	19.87	19.81	24	0
20	QPSK	1	318	19.81	19.82	19.76	24	0
20	QPSK	1	324	19.76	19.77	19.71	24	0
20	QPSK	1	330	19.71	19.72	19.66	24	0
20	QPSK	1	336	19.66	19.67	19.61	24	0
20	QPSK	1	342	19.61	19.62	19.56	24	0
20	QPSK	1	348	19.56	19.57	19.51	24	0
20	QPSK	1	354	19.51	19.52	19.46	24	0
20	QPSK	1	360	19.46	19.47	19.41	24	0
20	QPSK	1	366	19.41	19.42	19.36	24	0
20	QPSK	1	372	19.36	19.37	19.31	24	0
20	QPSK	1	378	19.31	19.32	19.26	24	0
20	QPSK	1	384	19.26	19.27	19.21	24	0
20	QPSK	1	390	19.21	19.22	19.16	24	0
20	QPSK	1	396	19.16	19.17	19.11	24	0
20	QPSK	1	402	19.11	19.12	19.06	24	0
20	QPSK	1	408	19.06	19.07	19.01	24	0
20	QPSK	1	414	19.01	19.02	18.96	24	0
20	QPSK	1	420	18.96	18.97	18.91	24	0
20	QPSK	1	426	18.91	18.92	18.86	24	0
20	QPSK	1	432	18.86	18.87	18.81	24	0
20	QPSK	1	438	18.81	18.82	18.76	24	0
20	QPSK	1	444	18.76	18.77	18.71	24	0
20	QPSK	1	450	18.71	18.72	18.66	24	0
20	QPSK	1	456	18.66	18.67	18.61	24	0
20	QPSK	1	462	18.61	18.62	18.56	24	0
20	QPSK	1	468	18.56	18.57	18.51	24	0
20	QPSK	1	474	18.51	18.52	18.46	24	0
20	QPSK	1	480	18.46	18.47	18.41	24	0
20	QPSK	1	486	18.41	18.42	18.36	24	0
20	QPSK	1	492	18.36	18.37	18.31	24	0
20	QPSK	1	498	18.31	18.32	18.26	24	0
20	QPSK	1	504	18.26	18.27	18.21	24	0
20	QPSK	1	510	18.21	18.22	18.16	24	0
20	QPSK	1	516	18.16	18.17	18.11	24	0
20	QPSK	1	522	18.11	18.12	18.06	24	0
20	QPSK	1	528	18.06	18.07	18.01	24	0
20	QPSK	1	534	18.01	18.02	17.96	24	0
20	QPSK	1	540	17.96	17.97	17.91	24	0
20	QPSK	1	546	17.91	17.92	17.86	24	0
20	QPSK	1	552	17.86	17.87	17.81	24	0
20	QPSK	1	558	17.81	17.82	17.76	24	0
20	QPSK	1	564	17.76	17.77	17.71	24	0
20	QPSK	1	570	17.71	17.72	17.66	24	0
20	QPSK	1	576	17.66	17.67	17.61	24	0
20	QPSK	1	582	17.61	17.62	17.56	24	0
20	QPSK	1	588	17.56	17.57	17.51	24	0
20	QPSK	1	594	17.51	17.52	17.46	24	0
20	QPSK	1	600	17.46	17.47	17.41	24	0
20	QPSK	1	606	17.41	17.42	17.36	24	0
20	QPSK	1	612	17.36	17.37	17.31	24	0
20	QPSK	1	618	17.31	17.32	17.26	24	0
20	QPSK	1	624	17.26	17.27	17.21	24	0
20	QPSK	1	630	17.21	17.22	17.16	24	0
20	QPSK	1	636	17.16	17.17	17.11	24	0
20	QPSK	1	642	17.11	17.12	17.06	24	0
20	QPSK	1	648	17.06	17.07	17.01	24	0
20	QPSK	1	654	17.01	17.02	16.96	24	0
20	QPSK	1	660	16.96	16.97	16.91	24	0
20	QPSK	1	666	16.91	16.92	16.86	24	0
20	QPSK	1	672	16.86	16.87	16.81	24	0
20	QPSK	1	678	16.81	16.82	16.76	24	0
20	QPSK	1	684	16.76	16.77	16.71	24	0
20	QPSK	1	690	16.71	16.72	16.66	24	0
20	QPSK	1	696	16.66	16.67	16.61	24	0
20	QPSK	1	702	16.61	16.62	16.56	24	0
20	QPSK	1	708	16.56	16.57	16.51	24	0
20	QPSK	1	714	16.51	16.52	16.46	24	0
20	QPSK	1	720	16.46	16.47	16.41	24	0
20	QPSK	1	726	16.41	16.42	16.36	24	0
20	QPSK	1	732	16.36	16.37	16.31	24	0
20	QPSK	1	738	16.31	16.32	16.26	24	0
20	QPSK	1	744	16.26	16.27	16.21	24	0
20	QPSK	1	750	16.21	16.22	16.16	24	0
20	QPSK	1	756	16.16	16.17	16.11	24	0
20	QPSK	1	762	16.11	16.12	16.06	24	0
20	QPSK	1	768	16.06	16.07	16.01	24	0
20	QPSK	1	774	16.01	16.02	15.96	24	0
20	QPSK	1	780	15.96	15.97	15.91	24	0
20	QPSK	1	786	15.91	15.92	15.86	24	0
20	QPSK	1	792	15.86	15.87	15.81	24	0
20	QPSK	1	798	15.81	15.82	15.76	24	0
20	QPSK	1	804	15.76	15.77	15.71	24	0
20	QPSK	1	810	15.71	15.72	15.66	24	0
20	QPSK	1	816	15.66	15.67	15.61	24	0
20	QPSK	1	822	15.61	15.62	15.56	24	0



Band 25 Ant 2 DS14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-on time (sec)	APR (dB)		
Channel										
20	QPSK	1	0	22.43	22.49	22.42		24	0	
20	QPSK	1	49	22.32	22.47	22.43				
20	QPSK	50	0	21.43	21.48	21.46		23	1	
20	QPSK	50	24	21.31	21.41	21.46				
20	QPSK	50	50	21.38	21.28	21.28				
20	QPSK	100	0	21.45	21.47	21.42		23	1	
20	16QAM	1	0	21.29	21.23	21.29				
20	16QAM	1	49	21.22	21.36	21.39				
20	16QAM	1	99	21.31	21.33	21.30				
20	16QAM	50	0	20.67	20.49	20.33				
20	16QAM	50	24	20.31	20.43	20.29				
20	16QAM	50	50	20.25	20.28	20.23				
20	16QAM	100	0	20.28	20.28	20.32				
20	16QAM	1	0	20.39	20.52	20.35				
20	16QAM	1	49	20.22	20.18	20.26				
20	16QAM	1	99	20.45	20.32	20.22				
20	16QAM	50	0	19.47	19.36	19.42				
20	16QAM	50	24	19.52	19.51	19.50				
20	16QAM	50	50	19.50	19.45	19.53				
20	16QAM	100	0	19.28	19.34	19.27				
20	16QAM	1	0	17.64	17.48	17.48				
20	16QAM	1	49	17.45	17.52	17.44				
20	16QAM	1	99	17.53	17.46	17.23				
20	16QAM	50	0	17.25	17.26	17.29				
20	16QAM	50	24	17.38	17.40	17.44				
20	16QAM	50	50	17.45	17.40	17.42				
20	16QAM	100	0	17.45	17.45	17.52				
Channel										
1857.5 1880 1907.5										
15	QPSK	1	0	22.48	22.42	22.45		24	0	
15	QPSK	1	37	22.34	22.43	22.37				
15	QPSK	1	74	22.42	22.34	22.46				
15	QPSK	36	0	21.30	21.50	21.42		23	1	
15	QPSK	36	24	21.40	21.37	21.42				
15	QPSK	36	36	21.44	21.39	21.36				
15	16QAM	1	0	21.51	21.53	21.45				
15	16QAM	1	49	21.44	21.33	21.15				
15	16QAM	1	37	21.30	21.44	21.39				
15	16QAM	1	74	21.42	21.32	21.48				
15	16QAM	36	0	20.46	20.43	20.40				
15	16QAM	36	20	20.34	20.32	20.24				
15	16QAM	36	36	20.23	20.28	20.22				
15	16QAM	75	0	20.51	20.43	20.41				
15	16QAM	1	0	20.45	20.47	20.38				
15	16QAM	1	37	20.45	20.39	20.32				
15	16QAM	1	74	20.35	20.34	20.25				
15	16QAM	36	0	19.42	19.35	19.39				
15	16QAM	36	20	19.31	19.43	19.38				
15	16QAM	36	36	19.50	19.44	19.53				
15	16QAM	75	0	19.24	19.34	19.40				
15	16QAM	1	0	17.53	17.45	17.51				
15	16QAM	1	37	17.53	17.53	17.51				
15	16QAM	1	74	17.53	17.43	17.30				
15	16QAM	36	0	17.25	17.26	17.29				
15	16QAM	36	20	17.52	17.38	17.38				
15	16QAM	36	36	17.53	17.44	17.30				
15	16QAM	75	0	17.47	17.40	17.39				
Channel										
2690 2690 2690										
10	QPSK	1	0	22.34	22.44	22.42		24	0	
10	QPSK	1	49	22.37	22.38	22.44				
10	QPSK	25	0	21.43	21.47	21.49		23	1	
10	QPSK	25	12	21.44	21.31	21.45				
10	QPSK	25	25	21.43	21.37	21.41				
10	16QAM	1	0	21.29	21.37	21.15				
10	16QAM	1	25	21.23	21.37	21.28				
10	16QAM	1	49	21.32	21.42	21.39				
10	16QAM	25	0	20.43	20.37	20.34				
10	16QAM	25	12	20.28	20.45	20.30				
10	16QAM	25	25	20.28	20.31	20.28				
10	16QAM	50	0	20.38	20.37	20.34				
10	16QAM	1	0	20.46	20.43	20.36				
10	16QAM	1	25	20.11	20.36	20.22				
10	16QAM	1	49	20.36	20.38	20.33				
10	16QAM	25	0	19.45	19.39	19.25				
10	16QAM	25	12	19.39	19.44	19.52				
10	16QAM	25	25	19.49	19.37	19.44				
10	16QAM	50	0	19.25	19.33	19.30				
10	16QAM	1	0	17.45	17.45	17.50				
10	16QAM	1	25	17.41	17.48	17.49				
10	16QAM	1	49	17.57	17.53	17.23				
10	16QAM	25	0	17.25	17.25	17.25				
10	16QAM	25	12	17.39	17.40	17.37				
10	16QAM	25	25	17.53	17.39	17.44				
10	16QAM	50	0	17.53	17.52	17.45				
Channel										
2695 2695 2695										
5	QPSK	1	0	22.30	22.40	22.42		24	0	
5	QPSK	1	12	22.20	22.40	22.25				
5	QPSK	1	24	22.36	22.38	22.46				
5	QPSK	12	0	21.42	21.53	21.46		23	1	
5	QPSK	12	7	21.36	21.39	21.38				
5	QPSK	12	13	21.46	21.35	21.29				
5	16QAM	1	0	21.44	21.40	21.44				
5	16QAM	1	12	21.24	21.36	21.33				
5	16QAM	1	24	21.33	21.29	21.31				
5	16QAM	12	0	20.38	20.51	20.41				
5	16QAM	12	7	20.32	20.38	20.32				
5	16QAM	12	13	20.28	20.31	20.29				
5	16QAM	25	0	20.28	20.41	20.43				
5	16QAM	1	0	20.40	20.40	20.36				
5	16QAM	1	12	20.38	20.19	20.25				
5	16QAM	1	24	20.43	20.30	20.27				
5	16QAM	12	0	19.44	19.32	19.44				
5	16QAM	12	7	19.55	19.51	19.62				
5	16QAM	12	13	19.44	19.43	19.55				
5	16QAM	25	0	19.31	19.43	19.29				
5	16QAM	1	0	17.49	17.48	17.54				
5	16QAM	1	12	17.42	17.47	17.41				
5	16QAM	1	24	17.50	17.38	17.26				
5	16QAM	12	0	17.53	17.31	17.32				
5	16QAM	12	7	17.37	17.42	17.43				
5	16QAM	12	13	17.51	17.42	17.36				
5	16QAM	25	0	17.47	17.41	17.50				
Channel										
2695 2695 2695										
3	QPSK	1	0	22.41	22.38	22.41		24	0	
3	QPSK	1	8	22.38	22.43	22.22				
3	QPSK	1	14	22.35	22.40	22.47				
3	QPSK	1	22	22.42	22.33	22.38				
3	QPSK	8	4	21.37	21.33	21.40		23	1	
3	QPSK	8	7	21.45	21.40	21.39				
3	QPSK	8	14	21.45	21.49	21.43				
3	16QAM	1	0	21.25	21.32	21.20				
3	16QAM	1	8	21.29	21.38	21.25				
3	16QAM	1	14	21.35	21.32	21.28				
3	16QAM	8	4	20.41	20.47	20.36				
3	16QAM	8	7	20.25	20.38	20.27				
3	16QAM	8	14	20.18	20.26	20.29				
3	16QAM	16	0	20.37	20.34	20.43				
3	16QAM	1	0	20.40	20.48	20.44				
3	16QAM	1	8	20.21	20.31	20.32				
3	16QAM	1	14	20.35	20.32	20.35				
3	16QAM	8	0	19.52	19.38	19.44				
3	16QAM	8	4	19.60	19.41	19.61				
3	16QAM	8	7	19.47	19.44	19.50				
3	16QAM	8	14	19.52	19.47	19.48				



Band 38 Ant 2 DS14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel	Frequency (MHz)			37650	38000	38150				
20	QPSK	1	0	22.65	22.67	22.63				
20	QPSK	1	49	22.82	22.82	22.46			24	0
20	QPSK	1	99	22.50	22.61	22.84				
20	QPSK	50	0	21.58	21.58	21.81				
20	QPSK	50	24	21.58	21.58	21.85				
20	QPSK	50	50	21.57	21.46	21.50			23	1
20	QPSK	100	0	21.59	21.65	21.55				
20	HQAM	1	0	21.44	21.44	21.42				
20	HQAM	1	49	21.51	21.61	21.47			23	1
20	HQAM	1	99	21.45	21.59	21.58				
20	HQAM	50	0	20.58	20.68	20.55				
20	HQAM	50	24	20.39	20.63	20.40			22	2
20	HQAM	50	50	20.36	20.38	20.56				
20	HQAM	100	0	20.58	20.62	20.50				
20	HQAM	1	0	20.61	20.66	20.51				
20	HQAM	1	49	20.41	20.51	20.49			22	2
20	HQAM	1	99	20.62	20.63	20.44				
20	HQAM	50	0	19.82	19.84	19.80				
20	HQAM	50	24	19.84	19.81	19.79			21	3
20	HQAM	50	50	19.70	19.60	19.71				
20	HQAM	100	0	19.84	19.84	19.47				
20	SSQAM	1	0	17.74	17.68	17.66			19	5
20	SSQAM	1	49	17.68	17.64	17.66				
20	SSQAM	1	99	17.49	17.59	17.56				
20	SSQAM	50	0	17.41	17.58	17.39			19	5
20	SSQAM	50	24	17.66	17.62	17.66				
20	SSQAM	50	50	17.50	17.58	17.51				
20	SSQAM	100	0	17.74	17.68	17.66				
15	QPSK	1	0	22.43	22.52	22.49				
15	QPSK	1	37	22.40	22.56	22.44			24	0
15	QPSK	1	74	22.49	22.51	22.83				
15	QPSK	36	0	21.44	21.58	21.44				
15	QPSK	36	20	21.41	21.43	21.54			23	1
15	QPSK	36	20	21.43	21.58	21.51				
15	QPSK	75	0	21.57	21.51	21.56				
15	HQAM	1	0	21.32	21.41	21.30				
15	HQAM	1	37	21.46	21.52	21.42			23	1
15	HQAM	1	74	21.47	21.45	21.43				
15	HQAM	36	0	20.62	20.43	20.65				
15	HQAM	36	20	20.37	20.44	20.41			22	2
15	HQAM	36	39	20.27	20.31	20.46				
15	HQAM	75	0	20.33	20.38	20.48				
15	HQAM	1	0	20.39	20.41	20.43			22	2
15	HQAM	1	37	20.40	20.34	20.43				
15	HQAM	1	74	20.42	20.46	20.43				
15	HQAM	36	0	19.62	19.54	19.46				
15	HQAM	36	20	19.64	19.56	19.72			21	3
15	HQAM	36	39	19.62	19.51	19.62				
15	HQAM	75	0	19.43	19.46	19.45				
15	SSQAM	1	0	17.59	17.58	17.60				
15	SSQAM	1	37	17.65	17.60	17.50			19	5
15	SSQAM	1	74	17.68	17.68	17.63				
15	SSQAM	36	0	17.38	17.39	17.43				
15	SSQAM	36	20	17.48	17.56	17.49			19	5
15	SSQAM	36	39	17.59	17.45	17.52				
15	SSQAM	75	0	17.67	17.63	17.61				
10	QPSK	1	0	25.75	25.95	26.15				
10	QPSK	1	25	22.50	22.51	22.62			24	0
10	QPSK	1	25	22.40	22.42	22.42				
10	QPSK	25	0	21.47	21.53	21.58				
10	QPSK	25	12	21.43	21.50	21.43			23	1
10	QPSK	25	25	21.59	21.43	21.43				
10	QPSK	50	0	21.53	21.58	21.57				
10	HQAM	1	0	21.48	21.53	21.51			23	1
10	HQAM	1	25	21.48	21.57	21.53				
10	HQAM	1	49	21.41	21.57	21.43			21	3
10	HQAM	25	0	20.62	20.58	20.49				
10	HQAM	25	12	20.48	20.48	20.48			22	2
10	HQAM	25	25	20.48	20.44	20.37				
10	HQAM	50	0	20.50	20.56	20.44				
10	HQAM	50	12	20.52	20.64	20.57			22	2
10	HQAM	50	25	20.44	20.43	20.40				
10	HQAM	100	0	20.54	20.58	20.40				
10	HQAM	25	0	19.59	19.54	19.55			21	3
10	HQAM	25	12	19.79	19.61	19.74				
10	HQAM	25	25	19.58	19.60	19.68				
10	HQAM	50	0	19.20	19.53	19.54				
10	HQAM	50	12	17.70	17.65	17.74			19	5
10	SSQAM	1	25	17.58	17.65	17.62				
10	SSQAM	1	49	17.56	17.55	17.44				
10	SSQAM	25	0	17.42	17.40	17.47				
10	SSQAM	25	12	17.62	17.67	17.63			19	5
10	SSQAM	25	25	17.67	17.59	17.45				
10	SSQAM	50	0	17.68	17.62	17.62				
5	QPSK	1	0	22.49	22.62	22.61				
5	QPSK	1	12	22.38	22.43	22.41			24	0
5	QPSK	1	24	22.46	22.44	22.66				
5	QPSK	12	0	21.53	21.61	21.47				
5	QPSK	12	7	21.51	21.48	21.48			23	1
5	QPSK	12	13	21.50	21.41	21.49				
5	QPSK	25	0	21.64	21.62	21.40				
5	HQAM	1	0	21.26	21.33	21.29			23	1
5	HQAM	1	12	21.38	21.49	21.40				
5	HQAM	12	0	20.53	20.56	20.44				
5	HQAM	12	7	20.29	20.43	20.39			22	2
5	HQAM	12	13	20.34	20.38	20.32				
5	HQAM	25	0	19.56	19.41	19.58				
5	HQAM	25	1	20.52	20.56	20.55				
5	HQAM	1	12	20.29	20.35	20.46			22	2
5	HQAM	1	24	20.53	20.43	20.40				
5	HQAM	12	0	19.70	19.58	19.65			21	3
5	HQAM	12	13	19.60	19.61	19.57				
5	HQAM	25	0	19.39	19.54	19.41				
5	SSQAM	1	0	17.53	17.55	17.68			19	5
5	SSQAM	1	12	17.43	17.60	17.49				
5	SSQAM	1	24	17.50	17.54	17.46				
5	SSQAM	12	0	17.34	17.46	17.31				
5	SSQAM	12	7	17.60	17.53	17.51			19	5
5	SSQAM	12	13	17.47	17.56	17.50				
5	SSQAM	25	0	17.55	17.61	17.50				

Band 41 Ant 2 DS14											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel	Frequency (MHz)			39750	40105	40260	41055	41500			
20	QPSK	1	0	22.51	22.68	22.71	22.68	22.62			
20	QPSK	1	49	22.82	22.83	22.49	22.56	22.44		24	0
20	QPSK	1	99	22.56	22.61	22.69	22.65	22.69			
20	QPSK	50	0	21.54	21.60	21.68	21.60	21.65			
20	QPSK	50	24	21.59	21.50	21.62	21.59	21.58			
20	QPSK	50	50	21.56	21.50	21.48	21.48	21.60		23	1
20	QPSK	100	0	21.58	21.62	21.65	21.63	21.59			
20	HQAM	1	0	21.47	21.45	21.38	21.43	21.45			
20	HQAM	1	49	21.41	21.59	21.51	21.51	21.58		23	1
20	HQAM	1	99	21.46	21.50	21.58	21.51	21.53			
20	HQAM	50	0	20.67	20.57	20.69	20.67	20.53			
20	HQAM	50	24	20.45	20.63	20.52	20.43	20.47		22	2
20	HQAM	50	50	20.51	20.41	20.41	20.56	20.51			
20	HQAM	100	0	20.45	20.70	20.54	20.53	20.64			
20	HQAM	1	0	20.60	20.72	20.58	20.53	20.64			
20	HQAM	1	49	20.37	20.50	20.49	20.46	20.52		22	2
20	HQAM	1	99	20.62	20.63	20.49	20.50	20.45			
20	HQAM	50	0	19.63	19.63	19.59	19.54	19.57			
20	HQAM	50	24	19.85	19.60	19.76	19.82	19.75		21	3
20	HQAM	50	50	19.70	19.56	19.79	19.71	19.73			
20	HQAM	100	0	19.53	19.53	19.57	19.53	19.54			
20	SSQAM	1	0	17.71	17.66	17.68	17.66	17.75		19	5
20	SSQAM	1	49	17.67	17.62	17.63	17.61	17.69			
20	SSQAM	1	99	17.46	17.54	17.41	17.43	17.55			
20	SSQAM	50	0	17.55	17.51	17.42	17.44	17.42			
20	SSQAM	50	24	17.62	17.73	17.60	17.58	17.71		19	5
20	SSQAM	50	50	17.61	17.63	17.64	17.64	17.56			
20	SSQAM	100	0	17.64	17.67	17.59	17.64	17.72			
15	QPSK	1	0	22.62	22.63	22.65	22.63	22.62			
15	QPSK	1	37	22.50	22.52	22.47	22.47	22.49		24	0
15	QPSK	1	74	22.54	22.52	22.65	22.57	22.65			



Band 7 Ant 3 DS14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR		
Channel				2050	2100	2150				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	21.52	21.63	21.48			23	0
20	QPSK	1	49	21.45	21.47	21.49				
20	QPSK	1	99	21.53	21.56	21.62				
20	QPSK	50	0	20.59	20.68	20.62			22	1
20	QPSK	50	24	20.57	20.65	20.53				
20	QPSK	50	50	20.53	20.45	20.43				
20	QPSK	100	0	20.58	20.65	20.59				
20	16QAM	1	0	20.40	20.45	20.49			22	1
20	16QAM	1	49	20.35	20.35	20.35				
20	16QAM	1	99	20.46	20.65	20.55				
20	16QAM	50	0	19.61	19.72	19.48			21	2
20	16QAM	50	24	19.35	19.55	19.42				
20	16QAM	50	50	19.39	19.35	19.56				
20	16QAM	100	0	19.61	19.57	19.55				
20	64QAM	1	0	19.54	19.69	19.44			21	2
20	64QAM	1	49	19.44	19.57	19.53				
20	64QAM	1	99	19.56	19.61	19.44				
20	64QAM	50	0	18.78	18.59	18.59			20	3
20	64QAM	50	24	18.78	18.69	18.77				
20	64QAM	50	50	18.65	18.63	18.71				
20	64QAM	100	0	18.41	18.70	18.41				
20	256QAM	1	0	16.68	16.69	16.81			18	5
20	256QAM	1	49	16.68	16.66	16.67				
20	256QAM	1	99	16.54	16.53	16.50				
20	256QAM	50	0	16.36	16.57	16.39			18	5
20	256QAM	50	24	16.72	16.60	16.71				
20	256QAM	50	50	16.68	16.65	16.58				
20	256QAM	100	0	16.77	16.70	16.73				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	21.48	21.50	21.52			23	0
15	QPSK	1	37	21.53	21.50	21.50				
15	QPSK	1	74	21.55	21.55	21.60				
15	QPSK	38	0	20.62	20.67	20.59			22	1
15	QPSK	38	20	20.51	20.57	20.55				
15	QPSK	38	39	20.55	20.45	20.56				
15	16QAM	75	0	20.61	20.70	20.49			22	1
15	16QAM	1	0	20.52	20.38	20.40				
15	16QAM	1	37	20.47	20.56	20.48				
15	16QAM	1	74	20.51	20.63	20.66			21	2
15	16QAM	38	0	19.50	19.75	19.47				
15	16QAM	38	20	19.34	19.61	19.36			20	3
15	16QAM	38	39	19.38	19.32	19.52				
15	16QAM	75	0	19.55	19.57	19.44				
15	64QAM	1	0	19.68	19.60	19.58			21	2
15	64QAM	1	37	19.44	19.57	19.44				
15	64QAM	1	74	19.64	19.68	19.46				
15	64QAM	38	0	18.81	18.55	18.55			20	3
15	64QAM	38	20	18.86	18.67	18.71				
15	64QAM	38	39	18.62	18.58	18.68				
15	64QAM	75	0	18.39	18.58	18.46				
15	256QAM	1	0	18.81	18.62	18.73			18	5
15	256QAM	1	37	18.60	18.68	18.65				
15	256QAM	1	74	18.45	18.58	18.63				
15	256QAM	38	0	18.37	18.54	18.46			18	5
15	256QAM	38	20	16.69	16.59	16.72				
15	256QAM	38	39	16.65	16.53	16.49				
15	256QAM	75	0	16.74	16.65	16.61				
Channel				20800	21100	21400				
Frequency (MHz)				2508	2535	2565				
10	QPSK	1	0	21.51	21.51	21.44			23	0
10	QPSK	1	25	21.57	21.45	21.47				
10	QPSK	1	49	21.55	21.62	21.60				
10	QPSK	25	0	20.57	20.62	20.61			22	1
10	QPSK	25	12	20.48	20.56	20.55				
10	QPSK	25	25	20.66	20.48	20.45				
10	QPSK	50	0	20.65	20.59	20.52				
10	16QAM	1	0	20.41	20.39	20.38			22	1
10	16QAM	1	25	20.58	20.68	20.47				
10	16QAM	1	49	20.43	20.59	20.59				
10	16QAM	25	0	19.80	19.74	19.59			21	2
10	16QAM	25	12	19.46	19.58	19.42				
10	16QAM	25	25	19.35	19.40	19.58				
10	16QAM	50	0	19.54	19.58	19.48				
10	64QAM	1	0	19.53	19.62	19.57			21	2
10	64QAM	1	25	19.46	19.52	19.54				
10	64QAM	1	49	19.59	19.60	19.50				
10	64QAM	25	0	18.70	18.49	18.52			20	3
10	64QAM	25	12	18.85	18.57	18.78				
10	64QAM	25	25	18.73	18.63	18.74				
10	64QAM	50	0	18.38	18.71	18.43				
10	256QAM	1	0	16.75	16.70	16.86			18	5
10	256QAM	1	25	16.67	16.84	16.76				
10	256QAM	1	49	16.47	16.54	16.52				
10	256QAM	25	0	16.48	16.53	16.46			18	5
10	256QAM	25	12	16.72	16.63	16.70				
10	256QAM	25	25	16.69	16.62	16.49				
10	256QAM	50	0	16.74	16.60	16.71				
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	21.58	21.53	21.40			23	0
5	QPSK	1	12	21.44	21.45	21.49				
5	QPSK	1	24	21.48	21.59	21.59				
5	QPSK	12	0	20.80	20.76	20.59			22	1
5	QPSK	12	7	20.46	20.64	20.50				
5	QPSK	12	13	20.61	20.47	20.51				
5	QPSK	25	0	20.58	20.63	20.50				
5	16QAM	1	0	20.42	20.49	20.44			22	1
5	16QAM	1	12	20.50	20.55	20.50				
5	16QAM	1	24	20.42	20.65	20.63				
5	16QAM	12	0	19.53	19.66	19.48			21	2
5	16QAM	12	7	19.45	19.59	19.45				
5	16QAM	12	13	19.39	19.42	19.60				
5	16QAM	25	0	19.50	19.65	19.43				
5	64QAM	1	0	19.55	19.66	19.57			21	2
5	64QAM	1	12	19.39	19.46	19.51				
5	64QAM	1	24	19.67	19.67	19.39				
5	64QAM	12	0	18.72	18.50	18.51			20	3
5	64QAM	12	7	18.90	18.59	18.83				
5	64QAM	12	13	18.66	18.56	18.70				
5	64QAM	25	0	18.44	18.66	18.41				
5	256QAM	1	0	16.80	16.70	16.82			18	5
5	256QAM	1	12	16.63	16.56	16.76				
5	256QAM	1	24	16.41	16.63	16.50				
5	256QAM	12	0	16.43	16.53	16.43			18	5
5	256QAM	12	7	16.62	16.59	16.73				
5	256QAM	12	13	16.75	16.59	16.53				
5	256QAM	25	0	16.79	16.60	16.67				



Band 38 Ant 3 DS14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel	Frequency (MHz)			37970	38000	38150				
20	QPSK	1	0	21.48	21.52	21.44				
20	QPSK	1	49	21.49	21.47	21.41			23	0
20	QPSK	1	99	21.40	21.46	21.42				
20	QPSK	50	0	19.31	19.36	19.30				
20	QPSK	50	24	20.51	20.53	20.57			22	1
20	QPSK	50	50	20.51	20.39	20.47				
20	QPSK	100	0	20.61	20.62	20.58				
20	HQAM	1	0	20.47	20.51	20.36				
20	HQAM	1	49	20.52	20.63	20.44			22	1
20	HQAM	1	99	20.44	20.96	20.51				
20	HQAM	50	0	19.52	19.73	19.58				
20	HQAM	50	24	19.31	19.63	19.33			21	2
20	HQAM	50	50	19.31	19.36	19.50				
20	HQAM	100	0	19.53	19.56	19.50				
20	HQAM	1	0	19.63	19.66	19.49				
20	HQAM	1	49	19.37	19.50	19.53			21	2
20	HQAM	1	99	19.70	19.65	19.52				
20	HQAM	50	0	18.78	18.76	18.82				
20	HQAM	50	24	18.86	18.63	18.85			20	3
20	HQAM	50	50	18.86	18.63	18.85				
20	HQAM	100	0	18.40	18.88	18.40				
20	256QAM	1	0	16.78	16.82	16.82			18	5
20	256QAM	1	49	16.77	16.77	16.77				
20	256QAM	1	99	16.57	16.59	16.53				
20	256QAM	50	0	16.35	16.63	16.40			18	5
20	256QAM	50	24	16.35	16.55	16.68				
20	256QAM	50	50	16.77	16.84	16.44				
20	256QAM	100	0	16.80	16.70	16.69				
15	QPSK	1	0	21.44	21.36	21.30			23	0
15	QPSK	1	49	21.48	21.34	21.36				
15	QPSK	1	74	21.44	21.43	21.50				
15	QPSK	36	0	20.50	20.59	20.50				
15	QPSK	36	20	20.38	20.43	20.42			22	1
15	QPSK	36	39	20.37	20.64	20.44				
15	QPSK	75	0	20.48	20.49	20.42				
15	HQAM	1	0	20.38	20.28	20.27				
15	HQAM	1	37	20.46	20.57	20.34			22	1
15	HQAM	1	74	20.32	20.48	20.50				
15	HQAM	36	0	19.43	19.55	19.36				
15	HQAM	36	20	19.38	19.52	19.26			21	2
15	HQAM	36	39	19.27	19.25	19.47				
15	HQAM	75	0	19.42	19.56	19.46				
15	HQAM	1	0	18.67	18.63	18.64				
15	HQAM	1	37	18.34	19.47	19.47			21	2
15	HQAM	1	74	18.34	19.47	19.47				
15	HQAM	36	0	18.42	18.55	18.35			20	3
15	HQAM	36	20	18.42	18.55	18.35				
15	HQAM	36	39	18.66	18.50	16.69			18	5
15	256QAM	1	0	16.50	16.56	16.52				
15	256QAM	1	37	16.50	16.56	16.52			18	5
15	256QAM	1	74	16.50	16.56	16.52				
15	256QAM	36	0	16.27	16.47	16.23				
15	256QAM	36	20	16.59	16.52	16.54			18	5
15	256QAM	36	39	16.52	16.54	16.36				
15	256QAM	75	0	16.60	16.61	16.60				
10	QPSK	1	0	21.75	21.36	21.31			23	0
10	QPSK	1	25	21.35	21.49	21.38				
10	QPSK	1	49	21.38	21.48	21.38				
10	QPSK	25	0	20.58	20.67	20.57				
10	QPSK	25	12	20.42	20.56	20.52			22	1
10	QPSK	25	25	20.49	20.31	20.40				
10	QPSK	50	0	20.48	20.61	20.46				
10	HQAM	1	0	20.38	20.29	20.24				
10	HQAM	1	25	20.38	20.45	20.43			22	1
10	HQAM	1	49	20.37	20.57	20.53				
10	HQAM	25	0	19.46	19.62	19.52			21	2
10	HQAM	25	12	19.38	19.52	19.47				
10	HQAM	25	25	19.32	19.35	19.47				
10	HQAM	50	0	19.42	19.57	19.43				
10	HQAM	1	0	19.55	19.60	19.49				
10	HQAM	1	25	19.34	19.46	19.42			21	2
10	HQAM	1	49	19.38	19.29	19.24				
10	HQAM	25	0	18.60	18.47	18.39				
10	HQAM	25	12	18.76	18.52	18.70			20	3
10	HQAM	25	25	18.57	18.50	18.65				
10	HQAM	50	0	18.40	18.48	18.31				
10	HQAM	50	0	16.66	16.55	16.76				
10	256QAM	1	25	16.51	16.53	16.55			18	5
10	256QAM	1	49	16.47	16.54	16.51				
10	256QAM	25	0	16.26	16.42	16.24				
10	256QAM	25	12	16.56	16.66	16.56			18	5
10	256QAM	25	25	16.59	16.41	16.49				
10	256QAM	50	0	16.66	16.62	16.65				

Band 41 Ant 3 DS14											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel	Frequency (MHz)			39790	40185	40620	41055	41490			
20	QPSK	1	0	21.43	21.51	21.54	21.39	21.40			
20	QPSK	1	49	21.53	21.53	21.46	21.42	21.46		23	0
20	QPSK	1	99	21.45	21.50	21.52	21.46	21.41			
20	QPSK	50	0	20.61	20.62	20.65	20.60	20.58			
20	QPSK	50	24	20.63	20.55	20.63	20.61	20.63			
20	QPSK	50	50	20.46	20.41	20.41	20.41	20.37		22	1
20	QPSK	100	0	20.56	20.56	20.54	20.57	20.55			
20	HQAM	1	0	20.46	20.53	20.47	20.44	20.47			
20	HQAM	1	49	20.57	20.59	20.56	20.52	20.56		22	1
20	HQAM	1	99	20.49	20.69	20.62	20.40	20.58			
20	HQAM	50	0	19.65	19.72	19.70	19.78	19.78			
20	HQAM	50	24	19.59	19.57	19.62	19.58	19.67		21	2
20	HQAM	50	50	19.34	19.66	19.63	19.35	19.38			
20	HQAM	100	0	19.49	19.67	19.61	19.54	19.61			
20	HQAM	1	0	19.73	19.66	19.74	19.68	19.71			
20	HQAM	1	49	19.50	19.50	19.46	19.51	19.48		21	2
20	HQAM	1	99	19.72	19.64	19.62	19.66	19.69			
20	HQAM	50	0	18.45	18.61	18.58	18.66	18.53			
20	HQAM	50	24	18.65	18.63	18.69	18.61	18.55		20	3
20	HQAM	50	50	18.66	18.64	18.63	18.60	18.69			
20	HQAM	100	0	18.72	18.69	18.69	18.68	18.61			
20	256QAM	1	0	16.57	16.66	16.63	16.59	16.70		18	5
20	256QAM	1	49	16.72	16.67	16.66	16.62	16.73			
20	256QAM	1	99	16.64	16.64	16.64	16.58	16.66			
20	256QAM	50	0	16.56	16.56	16.57	16.61	16.66			
20	256QAM	50	24	16.55	16.48	16.52	16.54	16.52		18	5
20	256QAM	50	50	16.70	16.60	16.58	16.72	16.62			
20	256QAM	100	0	16.74	16.64	16.75	16.66	16.76			
15	QPSK	1	0	21.44	21.36	21.34	21.42	21.41		23	0
15	QPSK	1	37	21.32	21.39	21.41	21.37	21.43			
15	QPSK	1	74	21.35	21.29	21.38	21.33	21.29			
15	QPSK	36	0	20.54	20.54	20.58	20.51	20.47			
15	QPSK	36	20	20.55	20.57	20.59	20.51	20.56		22	1
15	QPSK	36	39	20.38	20.64	20.62	20.35	20.39			
15	QPSK	75	0	20.48	20.58	20.60	20.53	20.47			
15	HQAM	1	0	20.37	20.48	20.42	20.36	20.48			
15	HQAM	1	37	20.47	20.55	20.54	20.61	20.59		22	1
15	HQAM	1	74	20.58	20.60	20.58	20.65	20.63			
15	HQAM	36	0	19.65	19.55	19.56	19.59	19.61			
15	HQAM	36	20	19.59	19.59	19.56	19.61	19.55		21	2
15	HQAM	36	39	19.35	19.28	19.31	19.26	19.30			
15	HQAM	75	0	19.45	19.53	19.44	19.50	19.47			
15	HQAM	1	0	18.45	18.49	18.50	18.45	18.53			
15	HQAM	1	37	19.38	19.42	19.40	19.33	19.36		21	2
15	HQAM	1	74	19.47	19.62	19.53	19.54	19.52			
15	HQAM	36	0	18.36	18.49	18.37	18.45	18.43			
15	HQAM	36	20	18.53	18.51	18.60	18.58	18.57		20	3
15	HQAM	36	39	18.59	18.61	18.58	18.55	18.59			
15	HQAM	75	0	18.59	18.50	18.58	18.65	18.58			
15	256QAM	1	0	16.47	16.59	16.59	16.49	16.53			
15	256QAM	1	37	16.66	16.61	16.64	16.52	16.67		18	5
15	256QAM	1	74	16.48	16.48	16.50	16.45	16.53			
15	256QAM	36	0	16.51	16.59	16.53	16.				



Band 42 Part 27Q Ant 7 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.66	22.70	22.73			
20	QPSK	1	49	22.63	22.70	22.83	24	0	
20	QPSK	1	99	22.63	22.57	22.85			
20	QPSK	50	0	21.63	21.74	21.59			
20	QPSK	50	24	21.67	21.66	21.60			23
20	QPSK	50	50	21.58	21.57	21.45			
20	QPSK	100	0	21.64	21.73	21.63			
20	16QAM	1	0	21.37	21.47	21.44			
20	16QAM	1	49	21.43	21.54	21.64			23
20	16QAM	1	99	21.60	21.64	21.67			
20	16QAM	50	0	20.66	20.70	20.75			
20	16QAM	50	24	20.48	20.39	20.42			22
20	16QAM	50	50	20.54	20.47	20.48			
20	16QAM	100	0	20.45	20.57	20.58			
20	64QAM	1	0	20.60	20.64	20.72			
20	64QAM	1	49	20.52	20.42	20.58			22
20	64QAM	1	99	20.53	20.47	20.55			
20	64QAM	50	0	19.57	19.48	19.63			
20	64QAM	50	24	19.73	19.63	19.75			21
20	64QAM	50	50	19.71	19.71	19.61			
20	64QAM	100	0	19.55	19.55	19.55			
20	256QAM	1	0	17.64	17.57	17.73			
20	256QAM	1	49	17.71	17.66	17.80			19
20	256QAM	1	99	17.58	17.57	17.66			
20	256QAM	50	0	17.55	17.51	17.57			
20	256QAM	50	24	17.55	17.66	17.72			19
20	256QAM	50	50	17.45	17.48	17.52			
20	256QAM	100	0	17.67	17.75	17.57			
Channel				43145	43545	43945	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.51	22.65	22.52			
15	QPSK	1	37	22.40	22.50	22.48			24
15	QPSK	1	74	22.34	22.46	22.54			
15	QPSK	36	0	21.48	21.59	21.59			
15	QPSK	36	20	21.51	21.52	21.49			23
15	QPSK	36	39	21.48	21.36	21.32			
15	QPSK	75	0	21.56	21.59	21.45			
15	16QAM	1	0	21.28	21.31	21.38			
15	16QAM	1	37	21.44	21.31	21.51			23
15	16QAM	1	74	21.54	21.49	21.55			
15	16QAM	36	0	20.53	20.67	20.63			
15	16QAM	36	20	20.33	20.41	20.41			22
15	16QAM	36	39	20.49	20.41	20.34			
15	16QAM	75	0	20.46	20.43	20.47			
15	64QAM	1	0	20.80	20.49	20.54			
15	64QAM	1	37	20.39	20.34	20.34			22
15	64QAM	1	74	20.33	20.42	20.32			
15	64QAM	36	0	19.53	19.46	19.54			
15	64QAM	36	20	19.64	19.66	19.65			21
15	64QAM	36	39	19.66	19.53	19.51			
15	64QAM	75	0	19.45	19.38	19.38			
15	256QAM	1	0	17.67	17.58	17.64			
15	256QAM	1	37	17.67	17.65	17.49			19
15	256QAM	1	74	17.50	17.45	17.42			
15	256QAM	36	0	17.34	17.37	17.45			
15	256QAM	36	20	17.54	17.58	17.66			19
15	256QAM	36	39	17.37	17.41	17.55			
15	256QAM	75	0	17.46	17.62	17.54			
Channel				43140	43590	43030	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3455			
10	QPSK	1	0	22.54	22.71	22.57			
10	QPSK	1	25	22.45	22.59	22.51			24
10	QPSK	1	49	22.63	22.53	22.65			
10	QPSK	25	0	21.46	21.55	21.50			23
10	QPSK	25	25	21.37	21.38	21.32			
10	QPSK	50	0	21.55	21.56	21.43			
10	16QAM	1	0	21.27	21.31	21.38			
10	16QAM	1	25	21.31	21.44	21.41			23
10	16QAM	1	49	21.44	21.53	21.45			
10	16QAM	25	0	20.64	20.68	20.55			
10	16QAM	25	12	20.36	20.35	20.37			22
10	16QAM	25	25	20.36	20.48	20.29			
10	16QAM	50	0	20.39	20.47	20.54			
10	64QAM	1	0	20.64	20.48	20.50			
10	64QAM	1	25	20.36	20.40	20.44			22
10	64QAM	1	49	20.44	20.32	20.33			
10	64QAM	25	0	19.41	19.44	19.46			21
10	64QAM	25	12	19.68	19.68	19.77			
10	64QAM	25	25	19.76	19.65	19.63			
10	64QAM	50	0	19.46	19.30	19.44			
10	256QAM	1	0	17.68	17.53	17.69			19
10	256QAM	1	25	17.61	17.50	17.53			
10	256QAM	1	49	17.42	17.36	17.51			
10	256QAM	25	0	17.33	17.44	17.42			19
10	256QAM	25	12	17.55	17.58	17.56			
10	256QAM	25	25	17.36	17.51	17.54			
10	256QAM	50	0	17.48	17.55	17.56			
Channel				44116	42990	43064	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.66	22.61	22.54			
5	QPSK	1	12	22.49	22.61	22.55			24
5	QPSK	1	24	22.56	22.49	22.54			
5	QPSK	12	0	21.45	21.61	21.60			
5	QPSK	12	7	21.44	21.58	21.49			23
5	QPSK	12	13	21.36	21.43	21.44			
5	QPSK	25	0	21.52	21.55	21.52			
5	16QAM	1	0	21.23	21.44	21.46			
5	16QAM	1	12	21.28	21.38	21.48			23
5	16QAM	1	24	21.54	21.55	21.53			
5	16QAM	12	0	20.64	20.55	20.62			
5	16QAM	12	7	20.31	20.34	20.29			22
5	16QAM	12	13	20.40	20.40	20.38			
5	16QAM	25	0	20.40	20.52	20.47			
5	64QAM	1	0	20.57	20.54	20.52			
5	64QAM	1	12	20.34	20.40	20.41			22
5	64QAM	1	24	20.34	20.45	20.32			
5	64QAM	12	0	19.50	19.43	19.43			
5	64QAM	12	7	19.70	19.68	19.73			21
5	64QAM	12	13	19.75	19.51	19.47			
5	64QAM	25	0	19.49	19.46	19.39			
5	256QAM	1	0	17.63	17.52	17.62			
5	256QAM	1	12	17.54	17.49	17.51			19
5	256QAM	1	24	17.40	17.45	17.47			
5	256QAM	12	0	17.42	17.47	17.43			
5	256QAM	12	7	17.55	17.53	17.63			19
5	256QAM	12	13	17.41	17.43	17.45			
5	256QAM	25	0	17.42	17.59	17.59			



Reduced Power Mode for DSI6

GSM850 Ant 0 DS16									
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	128	198	251		128	198	251		
Tx Channel	854.2	856.4	858.8	854.2	856.4	858.8	854.2	856.4	858.8
Frequency (MHz)	854.2	856.4	858.8	854.2	856.4	858.8	854.2	856.4	858.8
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78	24.50	24.50
GPRS 1 Tx slot	32.74	32.96	32.98	33.50	23.74	23.86	23.88	24.50	24.50
GPRS 2 Tx slot	29.65	30.91	30.88	31.50	23.65	24.91	24.88	25.50	25.50
GPRS 3 Tx slot	28.18	29.33	29.31	30.00	23.90	25.07	25.05	25.74	25.74
GPRS 4 Tx slot	26.54	27.73	27.91	28.00	23.54	24.73	24.91	25.00	25.00
EDGE 1 Tx slot	26.66	28.45	28.71	27.00	18.66	17.45	17.71	18.00	18.00
EDGE 2 Tx slot	24.67	25.48	25.28	26.00	18.67	19.48	19.28	20.00	20.00
EDGE 3 Tx slot	23.14	23.92	23.91	24.50	18.88	19.66	19.65	20.24	20.24
EDGE 4 Tx slot	21.52	22.24	22.21	23.00	18.52	19.24	19.21	20.00	20.00

WCDMA V Ant 0 DS16				
Band	WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel	4152	4152	4253	4152
Frequency (MHz)	4152	4407	4458	4152
3GPP Rel 99 AMR 12.2kps	22.53	22.62	22.56	24.00
3GPP Rel 99 RMC 12.2kps	22.26	22.26	22.26	24.00
3GPP Rel 6 HSDPA Subtest-1	21.57	21.69	21.68	23.00
3GPP Rel 6 HSDPA Subtest-2	21.61	21.64	21.62	23.00
3GPP Rel 6 HSDPA Subtest-3	21.07	21.17	21.07	22.50
3GPP Rel 6 HSDPA Subtest-4	21.00	21.15	21.15	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.53	21.63	21.64	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.61	21.71	21.57	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.03	21.11	21.09	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.05	21.09	21.12	22.50
3GPP Rel 6 HSUPA Subtest-1	21.61	21.57	21.70	23.00
3GPP Rel 6 HSUPA Subtest-2	19.54	19.68	19.65	21.00
3GPP Rel 6 HSUPA Subtest-3	20.57	20.60	20.69	22.00
3GPP Rel 6 HSUPA Subtest-4	19.54	19.67	19.60	21.00
3GPP Rel 6 HSUPA Subtest-5	21.50	21.67	21.60	23.00



Band 5 Ant 0 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.60	22.63	22.61			
10	QPSK	1	25	22.46	22.59	22.46			
10	QPSK	1	49	22.56	22.45	22.57		24	0
10	QPSK	25	0	21.61	21.61	21.61			
10	QPSK	25	12	21.62	21.64	21.54			
10	QPSK	25	25	21.59	21.55	21.58		23	1
10	QPSK	50	0	21.61	21.65	21.60			
10	16QAM	1	0	21.59	21.85	21.50			
10	16QAM	1	25	21.58	21.53	21.80			
10	16QAM	1	49	21.61	21.61	21.58		23	1
10	16QAM	25	0	20.67	20.65	20.57			
10	16QAM	25	12	20.68	20.66	20.57			
10	16QAM	25	25	20.55	20.62	20.66		22	2
10	16QAM	50	0	20.60	20.63	20.63			
10	16QAM	1	0	20.63	20.61	20.68			
10	16QAM	1	25	20.60	20.57	20.59		22	2
10	16QAM	1	49	20.65	20.58	20.56			
10	16QAM	25	0	19.59	19.56	19.66			
10	16QAM	25	12	19.67	19.65	19.53			
10	16QAM	25	25	19.68	19.57	19.54		21	3
10	16QAM	50	0	19.68	19.57	19.54			
10	256QAM	1	0	17.62	17.70	17.55			
10	256QAM	1	25	17.63	17.67	17.67		19	5
10	256QAM	1	49	17.59	17.62	17.61			
10	256QAM	25	0	17.85	17.80	17.87			
10	256QAM	25	12	17.81	17.87	17.58			
10	256QAM	25	25	17.57	17.71	17.61		19	5
10	256QAM	50	0	17.60	17.55	17.65			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.49	22.54	22.54			
5	QPSK	1	25	22.45	22.48	22.30			
5	QPSK	1	49	22.40	22.35	22.42		24	0
5	QPSK	12	0	21.43	21.66	21.63			
5	QPSK	12	7	21.57	21.54	21.44		23	1
5	QPSK	12	13	21.49	21.50	21.49			
5	QPSK	25	0	21.48	21.47	21.48			
5	16QAM	1	0	21.51	21.54	21.43			
5	16QAM	1	12	21.50	21.48	21.54		23	1
5	16QAM	1	24	21.46	21.50	21.41			
5	16QAM	12	0	20.61	20.62	20.44			
5	16QAM	12	7	20.55	20.48	20.53		22	2
5	16QAM	12	13	20.46	20.58	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	16QAM	1	0	20.45	20.57	20.63			
5	16QAM	1	12	20.47	20.48	20.55		22	2
5	16QAM	1	24	20.51	20.42	20.39			
5	16QAM	12	0	19.47	19.40	19.59			
5	16QAM	12	7	19.61	19.57	19.48			
5	16QAM	12	13	19.56	19.47	19.59		21	3
5	16QAM	25	0	19.62	19.49	19.47			
5	256QAM	1	0	17.59	17.64	17.41			
5	256QAM	1	12	17.56	17.49	17.54		19	5
5	256QAM	1	24	17.45	17.48	17.48			
5	256QAM	12	0	17.55	17.48	17.63			
5	256QAM	12	7	17.61	17.55	17.47		19	5
5	256QAM	12	13	17.44	17.57	17.56			
5	256QAM	25	0	17.48	17.41	17.58			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.57	22.47	22.51			
3	QPSK	1	8	22.41	22.44	22.31		24	0
3	QPSK	1	14	22.51	22.38	22.49			
3	QPSK	8	0	21.46	21.66	21.50			
3	QPSK	8	4	21.48	21.57	21.41		23	1
3	QPSK	8	8	21.56	21.46	21.44			
3	QPSK	15	0	21.53	21.59	21.47			
3	16QAM	1	0	21.49	21.58	21.35			
3	16QAM	1	8	21.52	21.46	21.49		23	1
3	16QAM	1	14	21.44	21.53	21.54			
3	16QAM	8	0	20.62	20.48	20.46			
3	16QAM	8	4	20.54	20.59	20.45		22	2
3	16QAM	8	7	20.46	20.54	20.59			
3	16QAM	15	0	20.51	20.61	20.59			
3	16QAM	1	0	20.50	20.56	20.59			
3	16QAM	1	8	20.61	20.39	20.54		22	2
3	16QAM	1	14	21.44	21.50	21.41			
3	16QAM	8	0	19.55	19.49	19.60			
3	16QAM	8	4	19.57	19.59	19.41		21	3
3	16QAM	8	7	19.50	19.52	19.48			
3	16QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.59	17.60	17.42			
3	256QAM	1	8	17.45	17.57	17.57		19	5
3	256QAM	1	14	17.43	17.55	17.46			
3	256QAM	8	0	17.54	17.51	17.49			
3	256QAM	8	4	17.61	17.55	17.46		19	5
3	256QAM	8	7	17.42	17.87	17.54			
3	256QAM	15	0	17.63	17.48	17.60			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.57	22.52	22.48			
1.4	QPSK	1	3	22.29	22.44	22.30			
1.4	QPSK	1	5	22.53	22.34	22.55		24	0
1.4	QPSK	3	0	22.44	22.51	22.48			
1.4	QPSK	3	1	22.57	22.50	22.43			
1.4	QPSK	3	3	22.50	22.50	22.59			
1.4	QPSK	6	0	21.48	21.51	21.55		23	1
1.4	16QAM	1	0	21.45	21.60	21.37			
1.4	16QAM	1	3	21.43	21.38	21.44			
1.4	16QAM	1	12	21.44	21.50	21.41		23	1
1.4	16QAM	3	0	21.44	21.53	21.42			
1.4	16QAM	3	1	21.51	21.52	21.46			
1.4	16QAM	3	3	21.48	21.61	21.45			
1.4	16QAM	6	0	20.46	20.47	20.50		22	2
1.4	16QAM	1	0	20.59	20.54	20.58			
1.4	16QAM	1	3	20.42	20.54	20.58			
1.4	16QAM	1	5	20.57	20.48	20.45		22	2
1.4	16QAM	3	0	20.52	20.52	20.45			
1.4	16QAM	3	1	20.52	20.53	20.47			
1.4	16QAM	3	3	20.52	20.49	20.50		21	3
1.4	16QAM	6	0	19.51	19.51	19.42			
1.4	256QAM	1	0	17.57	17.55	17.39			
1.4	256QAM	1	3	17.46	17.61	17.62		19	5
1.4	256QAM	1	5	17.57	17.56	17.58			
1.4	256QAM	3	0	17.58	17.58	17.64			
1.4	256QAM	3	1	17.55	17.62	17.42			
1.4	256QAM	3	1	17.46	17.65	17.48		19	3.9
1.4	256QAM	6	0	17.44	17.53	17.62		19	5

Band 7 Ant 0 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.47	21.54	21.48			
20	QPSK	1	49	21.37	21.52	21.51		22.9	0
20	QPSK	1	99	21.42	21.53	21.46			
20	QPSK	50	0	21.40	21.40	21.47			
20	QPSK	50	24	21.48	21.48	21.47		22.9	0
20	QPSK	50	50	21.38	21.46	21.38			
20	QPSK	100	0	21.41	21.51	21.49			
20	16QAM	1	0	21.48	21.51	21.48			
20	16QAM	1	49	21.44	21.51	21.51		22.9	0
20	16QAM	1	99	21.35	21.47	21.46			
20	16QAM	50	0	20.54	20.50	20.50			
20	16QAM	50	24	20.63	20.50	20.50		22	0.9
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	16QAM	1	0	20.60	20.56	20.57			
20	16QAM	1	49	20.55	20.44	20.49		22	0.9
20	16QAM	1	99	20.59	20.40	20.42			
20	16QAM	50	0	19.44	19.38	19.60			
20	16QAM	50	24	19.52	19.57	19.41		21	1.9
20	16QAM	50	50	19.54	19.54	19.54			
20	16QAM	100	0	19.57	19.44	19.47			
20	256QAM	1	0	17.44	17.67	17.40			
20	256QAM	1	49	17.56	17.55	17.57		19	3.9
20	256QAM	1	99	17.44	17.47	17.45			
20	256QAM	50	0	17.48	17.53	17.61			
20	256QAM	50	24	17.56	17.61	17.42			
20	256QAM	50	50	17.47	17.57	17.43		19	3.9
20	256QAM	100	0	17.54	17.44	17.63			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.38	21.34	21.34			
15	QPSK	1	24	21.37	21.34	21.36		22.9	0
15	QPSK	1	74	21.33	21.46	21.34			
15	QPSK	38	0	21.35	21.47	21.28			
15	QPSK	38	20	21.40	21.35	21.33		22.9	0
15	QPSK	38	39	21.31	21.43	21.32			
15	QPSK	75	0	21.34	21.41	21.31			
15	16QAM	1	0	21.32	21.34	21.26			
15	16QAM	1	37	21.41	21.31	21.28		22.9	0
15	16QAM	1	74	21.26	21.30	21.27			
15	16QAM	38	0	20.61	20.57	20.41			
15	16QAM	38	20	20.53	20.64	20.51		22	



Band 38 Ant 0 DS16													
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power Power Ch / Freq	Power Power Ch / Freq	Time-up limit (dBm)	MPR (dB)		
Channel													
Frequency (MHz)				3760	3800	3810							
20	QPSK	1	0	2230	2230	2230	2230	2230	2230	24	0		
20	QPSK	1	49	2230	2230	2230	2230	2230	2230	24	0		
20	QPSK	1	99	2230	2230	2230	2230	2230	2230	24	0		
20	QPSK	50	0	2153	2167	2161						23	1
20	QPSK	50	24	2148	2149	2144						23	1
20	QPSK	50	20	2145	2145	2143						23	1
20	QPSK	100	0	2150	2151	2145						23	1
20	16QAM	1	0	2145	2150	2147						23	1
20	16QAM	1	49	2145	2146	2153						23	1
20	16QAM	1	99	2145	2154	2145						23	1
20	16QAM	50	0	2053	2050	2052						22	2
20	16QAM	50	24	2051	2053	2041						22	2
20	16QAM	50	50	2038	2044	2059						22	2
20	16QAM	100	0	2056	2050	2047						22	2
20	16QAM	100	0	2050	2051	2052						22	2
20	16QAM	1	49	2050	2051	2047						22	2
20	16QAM	1	99	2053	2043	2053						22	2
20	16QAM	50	0	1947	1946	1948						21	3
20	16QAM	50	24	1938	1935	1948						21	3
20	16QAM	50	20	1940	1935	1948						21	3
20	16QAM	100	0	1948	1949	1941						21	3
20	16QAM	1	0	1751	1766	1747						19	5
20	16QAM	1	49	1756	1754	1755						19	5
20	16QAM	1	99	1745	1750	1748						19	5
20	16QAM	50	0	1748	1749	1754						19	5
20	16QAM	50	24	1740	1763	1740						19	5
20	16QAM	50	50	1749	1765	1746						19	5
20	16QAM	100	0	1747	1751	1748						19	5
Channel													
Frequency (MHz)				2577.5	2595	2612.5						24	0
15	QPSK	1	0	2243	2240	2240						24	0
15	QPSK	1	37	2222	2244	2234						24	0
15	QPSK	1	75	2215	2240	2234						24	0
15	QPSK	36	0	2139	2141	2154						23	1
15	QPSK	36	20	2149	2143	2143						23	1
15	QPSK	36	39	2133	2135	2133						23	1
15	QPSK	75	0	2142	2142	2143						23	1
15	16QAM	1	21	2135	2150	2129						23	1
15	16QAM	1	37	2135	2130	2143						23	1
15	16QAM	1	74	2138	2134	2140						23	1
15	16QAM	36	0	2052	2045	2037						22	2
15	16QAM	36	20	2046	2049	2054						22	2
15	16QAM	36	39	2038	2038	2047						22	2
15	16QAM	75	0	2047	2038	2048						22	2
15	16QAM	1	0	2047	2040	2045						22	2
15	16QAM	1	74	2048	2038	2035						22	2
15	16QAM	36	0	1941	1940	1954						21	3
15	16QAM	36	20	1947	1947	1948						21	3
15	16QAM	36	39	1944	1945	1943						21	3
15	16QAM	75	0	1745	1753	1739						19	5
15	16QAM	75	20	1744	1756	1720						19	5
15	16QAM	75	37	1745	1754	1743						19	5
15	16QAM	1	74	1738	1739	1745						19	5
15	16QAM	36	0	1740	1734	1742						19	5
15	16QAM	36	20	1745	1753	1739						19	5
15	16QAM	36	39	1738	1736	1744						19	5
15	16QAM	75	0	1737	1738	1746						19	5
Channel													
Frequency (MHz)				3760	3800	3820						24	0
10	QPSK	1	0	2234	2244	2236						24	0
10	QPSK	1	25	2231	2245	2231						24	0
10	QPSK	1	49	2232	2232	2230						24	0
10	QPSK	25	0	2143	2154	2150						23	1
10	QPSK	25	24	2143	2138	2138						23	1
10	QPSK	25	25	2132	2129	2132						23	1
10	QPSK	50	0	2142	2149	2137						23	1
10	16QAM	1	0	2131	2152	2142						23	1
10	16QAM	1	49	2141	2146	2146						23	1
10	16QAM	1	99	2148	2144	2134						23	1
10	16QAM	25	0	2053	2042	2043						22	2
10	16QAM	25	12	2041	2043	2032						22	2
10	16QAM	25	25	2038	2044	2050						22	2
10	16QAM	50	0	2041	2046	2046						22	2
10	16QAM	1	25	2048	2044	2043						22	2
10	16QAM	1	49	2047	2036	2029						22	2
10	16QAM	1	99	2047	2038	2042						22	2
10	16QAM	25	12	1942	1952	1928						21	3
10	16QAM	25	25	1947	1939	1947						21	3
10	16QAM	50	0	1948	1933	1931						21	3
10	16QAM	1	0	1748	1745	1740						19	5
10	16QAM	1	25	1745	1750	1755						19	5
10	16QAM	1	49	1739	1739	1747						19	5
10	16QAM	25	0	1750	1737	1746						19	5
10	16QAM	25	12	1751	1754	1736						19	5
10	16QAM	25	25	1737	1750	1738						19	5
10	16QAM	50	0	1737	1731	1743						19	5
Channel													
Frequency (MHz)				3777.5	3800	3822.5						24	0
5	QPSK	1	0	2248	2236	2245						24	0
5	QPSK	1	12	2221	2231	2229						24	0
5	QPSK	1	24	2226	2226	2230						24	0
5	QPSK	12	0	2137	2149	2147						23	1
5	QPSK	12	7	2145	2152	2134						23	1
5	QPSK	12	13	2134	2138	2145						23	1
5	QPSK	25	0	2152	2137	2144						23	1
5	16QAM	1	0	2141	2149	2138						23	1
5	16QAM	1	12	2132	2135	2148						23	1
5	16QAM	1	24	2142	2136	2135						23	1
5	16QAM	12	0	2041	2046	2038						22	2
5	16QAM	12	13	2041	2048	2053						22	2
5	16QAM	25	0	2042	2039	2048						22	2
5	16QAM	1	12	2033	2043	2045						22	2
5	16QAM	1	24	2049	2032	2039						22	2
5	16QAM	12	0	1941	1937	1949						21	3
5	16QAM	12	7	1949	1943	1925						21	3
5	16QAM	12	13	1940	1942	1937						21	3
5	16QAM	25	0	1954	1943	1932						21	3
5	16QAM	1	0	1743	1744	1743						19	5
5	16QAM	1	12	1745	1747	1754						19	5
5	16QAM	1	24	1745	1740	1734						19	5
5	16QAM	12	0	1737	1738	1750						19	5
5	16QAM	12	7	1745	1740	1738						19	5
5	16QAM	12	13	1742	1744	1739						19	5
5	16QAM	25	0	1744	1731	1741						19	5

Band 41 Ant 0 DS16											
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power Power Ch / Freq	Power Power Ch / Freq	Time-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)				3970	4016	4062	4105	4150			
20	QPSK	1	0	2206	2245	2258	2265	2280			
20	QPSK	1	0	2241	2247	2253	2245	2245			
20	QPSK	1	49	2239	2247	2247	2247	2234			
20	QPSK	1	99	2241	2245	2238	2247	2240			
20	QPSK	50	0	2148	2157	2159	2154	2155			
20	QPSK	50	24	2151	2147	2152	2140	2149			
20	QPSK	50	20	2143	2153	2146	2139	2152			
20	QPSK	100	0	2149	2158	2150	2154	2155			
20	16QAM	1	0	2147	2141	2160	2131	2156			
20	16QAM	1	49	2150	2150	2137	2157	2153			
20	16QAM	1	99	2143	2144	2146	2148	2144			
20	16QAM	50	0	2055	2055	2050	2044	2059			
20	16QAM	50	24	2065	2054	2064	2051	2058			
20	16QAM	50	50	2042	2049	2048	2048	2050			
20	16QAM	100</									



GSM850 Ant 1 DS16													
GSM850 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)					
	126	189	251		126	189	251						
TX Channel	152.2	152.2	152.2	152.2	152.2	152.2	152.2						
Frequency (MHz)	852.2	852.2	852.2	852.2	852.2	852.2	852.2						
GSM 1 Tx slot	31.85	32.75	32.98	33.50	22.88	23.75	23.98	24.50					
GPRS 1 Tx slot	31.96	32.65	32.96	33.50	22.96	23.65	23.96	24.50					
GPRS 2 Tx slots	29.67	30.56	30.56	31.50	23.67	24.56	24.56	25.50					
GPRS 3 Tx slots	28.12	28.97	28.88	30.00	23.88	24.71	24.62	25.14					
GPRS 4 Tx slots	25.52	27.16	27.47	27.50	22.52	24.18	24.47	24.50					
EDGE 1 Tx slot	25.81	26.52	26.54	27.00	18.81	17.52	17.54	18.00					
EDGE 2 Tx slots	23.47	23.27	23.25	23.00	18.47	19.27	19.32	20.00					
EDGE 3 Tx slots	22.91	23.84	23.76	24.50	18.65	19.58	19.50	20.24					
EDGE 4 Tx slots	21.23	22.16	22.18	23.00	18.23	19.16	19.18	20.00					
GSM1900 Ant 1 DS16													
GSM1900 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)					
	512	661	810		512	661	810						
TX Channel	152.2	152.2	152.2	152.2	152.2	152.2	152.2						
Frequency (MHz)	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2						
GSM 1 Tx slot	27.21	28.24	28.28	29.00	18.21	19.24	19.28	20.00					
GPRS 1 Tx slot	27.33	28.24	28.35	29.00	18.33	19.24	19.35	20.00					
GPRS 2 Tx slots	24.54	25.85	25.75	26.50	18.54	19.85	19.75	20.50					
GPRS 3 Tx slots	23.14	24.26	24.16	25.00	18.86	20.00	19.90	20.74					
GPRS 4 Tx slots	21.53	22.45	22.77	23.50	18.53	19.45	19.77	20.50					
EDGE 1 Tx slot	22.55	23.78	23.77	24.50	13.55	14.78	14.77	15.50					
EDGE 2 Tx slots	21.68	22.65	22.78	23.50	15.68	16.65	16.78	17.50					
EDGE 3 Tx slots	20.05	21.05	21.15	22.00	15.79	16.79	16.88	17.74					
EDGE 4 Tx slots	18.49	19.53	19.55	20.00	15.49	16.53	16.55	17.00					
WCDMA II Ant 1 DS16			WCDMA IV Ant 1 DS16			WCDMA V Ant 1 DS16							
Band	WCDMA II Ant 1			WCDMA IV Ant 1			WCDMA V Ant 1						
	TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233			
RX Channel	9602	9800	9938	1537	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1860	1907.6	1712.4	1725.6	1753.6	826.4	836.4	846.6				
3GPP Ref 99	AMR 12.2Kbps	18.76	18.78	18.75	19.80	18.71	18.81	18.75	20.20	22.51	22.60	22.62	24.00
3GPP Ref 99	RMC 12.2Kbps	18.78	18.81	18.77	19.80	18.84	18.86	18.81	20.20	22.64	22.71	22.65	24.00
3GPP Ref 6	HSDPA Subtest 1	17.66	17.91	17.68	18.06	17.63	17.66	17.68	19.20	21.57	21.65	21.63	23.00
3GPP Ref 6	HSDPA Subtest 2	17.87	17.81	17.92	18.80	17.86	17.86	17.83	19.20	21.62	21.60	21.67	23.00
3GPP Ref 6	HSDPA Subtest 3	17.19	17.45	17.39	18.30	17.30	17.41	17.42	18.70	21.09	21.15	21.04	22.50
3GPP Ref 6	HSDPA Subtest 4	17.31	17.47	17.35	18.30	17.16	17.41	17.47	18.70	21.00	21.19	21.09	22.50
3GPP Ref 8	DC-HSDPA Subtest 1	17.80	17.94	17.87	18.80	17.82	17.86	17.87	19.20	21.59	21.69	21.66	23.00
3GPP Ref 8	DC-HSDPA Subtest 2	17.99	17.95	17.77	18.80	17.99	18.04	17.74	19.20	21.66	21.73	21.51	23.00
3GPP Ref 8	DC-HSDPA Subtest 3	17.39	17.35	17.52	18.30	17.25	17.27	17.36	18.70	20.97	21.15	21.15	22.50
3GPP Ref 8	DC-HSDPA Subtest 4	17.24	17.41	17.23	18.30	17.23	17.45	17.29	18.70	21.12	21.16	21.06	22.50
3GPP Ref 6	HSUPA Subtest 1	17.95	17.91	17.87	18.80	17.85	17.77	17.89	19.20	21.53	21.53	21.44	23.00
3GPP Ref 6	HSUPA Subtest 2	15.76	15.84	15.92	16.80	15.71	15.92	15.98	17.20	19.57	19.66	19.68	21.00
3GPP Ref 6	HSUPA Subtest 3	16.74	16.85	16.91	17.80	16.77	16.86	16.96	18.20	20.58	20.62	20.77	22.00
3GPP Ref 6	HSUPA Subtest 4	15.76	15.82	15.88	16.80	15.74	15.92	15.79	17.20	19.59	19.65	19.68	21.00
3GPP Ref 6	HSUPA Subtest 5	17.80	17.95	17.96	18.80	17.72	17.87	17.84	19.20	21.50	21.69	21.66	23.00



Band 13 Ant 1 DS16 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup limit (dB)	MPE (dB)	MPE (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.48	22.48	22.48	24	0	
10	QPSK	1	25	22.48	22.48	22.48			
10	QPSK	1	49	22.32	22.32	22.32			
10	QPSK	25	0	21.54	21.54	21.53			
10	QPSK	25	12	21.48	21.48	21.48			
10	QPSK	25	25	21.32	21.32	21.43			
10	QPSK	50	0	21.51	21.51	21.52			
10	16QAM	1	0	21.47	21.47	21.38			
10	16QAM	1	25	21.45	21.45	21.41			
10	16QAM	1	49	21.39	21.39	21.44			
10	16QAM	25	0	20.38	20.38	20.35			
10	16QAM	25	12	20.31	20.31	20.29			
10	16QAM	25	25	20.48	20.48	20.49			
10	16QAM	50	0	20.58	20.58	20.45			
10	16QAM	1	0	20.30	20.43	20.47			
10	16QAM	1	25	20.46	20.45	20.40			
10	16QAM	1	49	20.41	20.35	20.37			
10	16QAM	25	0	19.47	19.52	19.47			
10	16QAM	25	12	19.38	19.41	19.54			
10	16QAM	25	25	19.38	19.38	19.28			
10	16QAM	50	0	19.45	19.35	19.28			
10	256QAM	1	0	17.54	17.67	17.71			
10	256QAM	1	25	17.48	17.48	17.57			
10	256QAM	1	49	17.42	17.43	17.49			
10	256QAM	25	0	17.38	17.38	17.55			
10	256QAM	25	12	17.45	17.43	17.53			
10	256QAM	25	25	17.53	17.48	17.38			
10	256QAM	50	0	17.47	17.45	17.55			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.43	22.42	22.20	24	0	
5	QPSK	1	24	22.39	22.44	22.39			
5	QPSK	12	0	21.33	21.54	21.42			
5	QPSK	12	7	21.38	21.44	21.33			
5	QPSK	12	13	21.40	21.39	21.26			
5	QPSK	25	0	21.51	21.49	21.59			
5	QPSK	25	0	21.52	21.47	21.19			
5	16QAM	1	12	21.31	21.37	21.43			
5	16QAM	1	24	21.33	21.34	21.42			
5	16QAM	12	0	20.44	20.30	20.23			
5	16QAM	12	7	20.26	20.40	20.28			
5	16QAM	12	13	20.35	20.46	20.55			
5	16QAM	25	0	20.35	20.52	20.30			
5	16QAM	1	0	20.30	20.33	20.25			
5	16QAM	1	11	20.29	20.43	20.52			
5	16QAM	1	24	20.33	20.42	20.24			
5	16QAM	12	0	19.43	19.38	19.43			
5	16QAM	12	7	19.49	19.38	19.52			
5	16QAM	12	13	19.35	19.35	19.50			
5	16QAM	25	0	19.48	19.33	19.23			
5	256QAM	1	0	17.44	17.56	17.59			
5	256QAM	1	12	17.32	17.43	17.54			
5	256QAM	1	24	17.29	17.38	17.38			
5	256QAM	12	0	17.32	17.38	17.54			
5	256QAM	12	7	17.39	17.34	17.33			
5	256QAM	12	13	17.31	17.37	17.38			
5	256QAM	25	0	17.46	17.38	17.48			

Band 17 Ant 1 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup limit (dB)	MPE (dB)	MPE (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.47	22.46	22.43	24	0	
10	QPSK	1	25	22.33	22.45	22.43			
10	QPSK	1	49	22.38	22.28	22.47			
10	QPSK	25	0	21.47	21.54	21.53			
10	QPSK	25	12	21.49	21.51	21.39			
10	QPSK	25	25	21.45	21.42	21.43			
10	QPSK	50	0	21.52	21.53	21.52			
10	16QAM	1	0	21.39	21.42	21.39			
10	16QAM	1	25	21.35	21.52	21.41			
10	16QAM	1	49	21.47	21.48	21.44			
10	16QAM	25	0	20.51	20.45	20.35			
10	16QAM	25	12	20.45	20.51	20.29			
10	16QAM	25	25	20.25	20.45	20.49			
10	16QAM	50	0	20.45	20.52	20.45			
10	16QAM	1	0	20.45	20.43	20.47			
10	16QAM	1	25	20.47	20.45	20.40			
10	16QAM	1	49	20.39	20.53	20.37			
10	16QAM	25	0	19.40	19.52	19.47			
10	16QAM	25	12	19.63	19.41	19.54			
10	16QAM	25	25	19.51	19.45	19.54			
10	16QAM	50	0	19.58	19.35	19.28			
10	256QAM	1	0	17.58	17.67	17.71			
10	256QAM	1	25	17.55	17.48	17.57			
10	256QAM	1	49	17.48	17.43	17.49			
10	256QAM	25	0	17.37	17.38	17.55			
10	256QAM	25	12	17.49	17.43	17.53			
10	256QAM	25	25	17.39	17.48	17.38			
10	256QAM	50	0	17.40	17.45	17.55			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.42	22.36	22.45	24	0	
5	QPSK	1	12	22.22	22.41	22.34			
5	QPSK	1	24	22.42	22.21	22.32			
5	QPSK	12	0	21.44	21.54	21.42			
5	QPSK	12	7	21.42	21.46	21.36			
5	QPSK	12	13	21.35	21.30	21.42			
5	QPSK	25	0	21.42	21.41	21.50			
5	QPSK	25	0	21.50	21.37	21.18			
5	16QAM	1	12	21.38	21.39	21.43			
5	16QAM	1	24	21.39	21.40	21.49			
5	16QAM	12	0	20.52	20.37	20.28			
5	16QAM	12	7	20.34	20.44	20.30			
5	16QAM	12	13	20.38	20.30	20.55			
5	16QAM	25	0	20.40	20.42	20.43			
5	16QAM	1	0	20.50	20.28	20.33			
5	16QAM	1	12	20.39	20.40	20.29			
5	16QAM	1	24	20.35	20.47	20.37			
5	16QAM	12	0	19.41	19.46	19.35			
5	16QAM	12	7	19.57	19.44	19.23			
5	16QAM	12	13	19.45	19.29	19.45			
5	16QAM	25	0	19.51	19.39	19.19			
5	16QAM	1	0	17.61	17.50	17.54			
5	256QAM	1	12	17.43	17.53	17.56			
5	256QAM	1	24	17.33	17.39	17.42			
5	256QAM	12	0	17.36	17.36	17.44			
5	256QAM	12	7	17.58	17.34	17.47			
5	256QAM	12	13	17.44	17.38	17.40			
5	256QAM	25	0	17.42	17.38	17.43			

Band 25 Ant 1 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPE (dB)	MPE (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.11	18.10	18.15	19.5	0	
20	QPSK	1	25	18.03	18.12	18.12			
20	QPSK	1	50	18.04	18.06	18.03			
20	QPSK	50	0	18.06	18.13	18.11			
20	QPSK	50	24	18.10	18.03	18.11			
20	QPSK	50	50	18.10	18.11	18.08			
20	QPSK	100	0	18.08	18.12	18.11			
20	16QAM	1	0	18.05	18.06	18.11			
20	16QAM	1	49	18.10	18.08	18.06			
20	16QAM	1	99	18.15	18.13	18.08			
20	16QAM	25	0	18.00	18.05	18.12			
20	16QAM	25	12	18.03	18.04	18.05			
20	16QAM	25	25	18.05	18.04	18.09			
20	16QAM	50	0	18.06	18.13	18.12			
20	16QAM	1	0	18.12	18.09	18.07			
20	16QAM	1	49	18.06	18.10	18.02			
20	16QAM	1	99	18.13	18.02	18.04			
20	16QAM	25	0	18.00	18.11	18.14			
20	16QAM	25	12	18.01	18.06	18.05			
20	16QAM	25	25	18.05	18.11	18.03			
20	16QAM	50	0	17.85	17.74	17.47			
20	256QAM	1							



Band 26 Ant 1 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tuning (MHz)	APR (dB)		
Channel										
811.5 811.5 811.5										
15	QPSK	1	0	22.49	22.54	22.51	24	0		
15	QPSK	1	37	22.53	22.23	22.38	24	0		
15	QPSK	1	74	22.53	22.23	22.38	24	0		
15	QPSK	36	0	21.49	21.52	21.46	23	1		
15	QPSK	36	20	21.48	21.52	21.44	23	1		
15	QPSK	36	39	21.44	21.34	21.40	23	1		
15	QPSK	75	0	21.52	21.55	21.53	23	1		
15	16QAM	1	0	21.54	21.44	21.51	23	1		
15	16QAM	1	37	21.43	21.46	21.41	23	1		
15	16QAM	1	74	21.49	21.43	21.50	23	1		
15	16QAM	36	0	20.58	20.49	20.38	22	2		
15	16QAM	36	20	20.42	20.53	20.33	22	2		
15	16QAM	36	39	20.40	20.44	20.28	22	2		
15	16QAM	75	0	20.47	20.59	20.51	22	2		
15	64QAM	1	0	20.50	20.38	20.42	22	2		
15	64QAM	1	37	20.45	20.52	20.40	22	2		
15	64QAM	1	74	20.42	20.58	20.36	22	2		
15	64QAM	36	0	19.49	19.45	19.53	21	3		
15	64QAM	36	20	19.64	19.43	19.36	21	3		
15	64QAM	36	39	19.62	19.39	19.53	21	3		
15	64QAM	75	0	19.67	19.46	19.60	21	3		
15	256QAM	1	37	17.64	17.52	17.62	19	5		
15	256QAM	1	74	17.47	17.39	17.51	19	5		
15	256QAM	36	0	17.47	17.33	17.51	19	5		
15	256QAM	36	20	17.57	17.44	17.50	19	5		
15	256QAM	36	39	17.47	17.46	17.34	19	5		
15	256QAM	75	0	17.43	17.38	17.57	19	5		
Channel										
819 811.5 844										
10	QPSK	1	0	22.42	22.44	22.41	24	0		
10	QPSK	1	24	22.59	22.44	22.34	24	0		
10	QPSK	1	49	22.41	22.27	22.36	24	0		
10	QPSK	20	0	21.32	21.33	21.41	23	1		
10	QPSK	20	12	21.39	21.48	21.36	23	1		
10	QPSK	20	26	21.49	21.25	21.39	23	1		
10	QPSK	50	0	21.49	21.51	21.52	23	1		
10	16QAM	1	0	21.33	21.43	21.34	23	1		
10	16QAM	1	25	21.37	21.44	21.36	23	1		
10	16QAM	1	49	21.67	21.53	21.59	23	1		
10	16QAM	20	0	20.52	20.40	20.25	22	2		
10	16QAM	20	12	20.44	20.41	20.27	22	2		
10	16QAM	20	26	20.52	20.46	20.28	22	2		
10	16QAM	50	0	20.40	20.49	20.38	22	2		
10	64QAM	1	0	20.49	20.34	20.37	22	2		
10	64QAM	1	25	20.52	20.38	20.32	22	2		
10	64QAM	1	49	20.39	20.45	20.33	22	2		
10	64QAM	20	0	19.58	19.39	19.38	21	3		
10	64QAM	20	12	19.58	19.32	19.48	21	3		
10	64QAM	20	26	19.57	19.27	19.50	21	3		
10	64QAM	50	0	19.49	19.40	19.25	21	3		
10	256QAM	1	49	17.51	17.51	17.53	19	5		
10	256QAM	1	49	17.42	17.37	17.45	19	5		
10	256QAM	36	0	17.43	17.36	17.41	19	5		
10	256QAM	36	12	17.47	17.38	17.53	19	5		
10	256QAM	36	26	17.43	17.48	17.43	19	5		
10	256QAM	75	0	17.43	17.41	17.57	19	5		
Channel										
811.5 811.5 845										
5	QPSK	1	0	22.47	22.46	22.32	24	0		
5	QPSK	1	12	22.40	22.38	22.46	24	0		
5	QPSK	1	24	22.33	22.28	22.33	24	0		
5	QPSK	1	37	22.39	22.59	22.32	24	0		
5	QPSK	12	7	21.32	21.53	21.29	23	1		
5	QPSK	12	13	21.44	21.32	21.42	23	1		
5	QPSK	12	26	21.35	21.43	21.34	23	1		
5	16QAM	1	0	21.18	21.47	21.28	23	1		
5	16QAM	1	12	21.28	21.38	21.38	23	1		
5	16QAM	1	24	21.32	21.43	21.34	23	1		
5	16QAM	12	0	20.45	20.47	20.32	22	2		
5	16QAM	12	7	20.40	20.53	20.34	22	2		
5	16QAM	12	13	20.52	20.37	20.38	22	2		
5	16QAM	20	0	20.38	20.50	20.40	22	2		
5	64QAM	1	0	20.39	20.40	20.41	22	2		
5	64QAM	1	12	20.38	20.42	20.33	22	2		
5	64QAM	1	24	20.45	20.49	20.41	22	2		
5	64QAM	12	0	19.50	19.42	19.39	21	3		
5	64QAM	12	7	19.58	19.34	19.27	21	3		
5	64QAM	12	13	19.43	19.28	19.48	21	3		
5	64QAM	20	0	19.44	19.34	19.24	21	3		
5	256QAM	1	0	17.45	17.48	17.28	19	5		
5	256QAM	1	12	17.48	17.45	17.54	19	5		
5	256QAM	1	24	17.37	17.44	17.53	19	5		
5	256QAM	12	0	17.41	17.39	17.41	19	5		
5	256QAM	12	7	17.48	17.41	17.42	19	5		
5	256QAM	12	13	17.35	17.50	17.38	19	5		
5	256QAM	20	0	17.37	17.30	17.50	19	5		
Channel										
811.5 811.5 847.5										
3	QPSK	1	0	22.37	22.41	22.31	24	0		
3	QPSK	1	8	22.40	22.37	22.38	24	0		
3	QPSK	1	14	22.34	22.29	22.28	24	0		
3	QPSK	8	0	21.41	21.54	21.42	23	1		
3	QPSK	8	4	21.41	21.43	21.28	23	1		
3	QPSK	8	7	21.36	21.34	21.34	23	1		
3	QPSK	12	0	21.52	21.48	21.39	23	1		
3	16QAM	1	0	21.32	21.38	21.28	23	1		
3	16QAM	1	8	21.29	21.40	21.47	23	1		
3	16QAM	1	14	21.48	21.47	21.42	23	1		
3	16QAM	8	0	20.47	20.38	20.28	22	2		
3	16QAM	8	4	20.29	20.40	20.30	22	2		
3	16QAM	8	7	20.28	20.33	20.49	22	2		
3	16QAM	18	0	20.40	20.47	20.49	22	2		
3	64QAM	1	0	20.42	20.28	20.29	22	2		
3	64QAM	1	8	20.29	20.49	20.32	22	2		
3	64QAM	1	14	20.37	20.37	20.29	22	2		
3	64QAM	8	0	19.44	19.34	19.25	21	3		
3	64QAM	8	4	19.64	19.32	19.40	21	3		
3	64QAM	8	7	19.59	19.42	19.48	21	3		
3	256QAM	1	0	17.46	17.33	17.29	19	5		
3	256QAM	1	8	17.60	17.51	17.24	19	5		
3	256QAM	1	8	17.41	17.49	17.56	19	5		
3	256QAM	12	0	17.43	17.38	17.50	19	5		
3	256QAM	12	7	17.45	17.39	17.41	19	5		
3	256QAM	12	13	17.45	17.50	17.54	19	5		
Channel										
8697 8695 8703										
1.4	QPSK	1	0	22.43	22.42	22.45	24	0		
1.4	QPSK	1	3	22.22	22.29	22.12	24	0		
1.4	QPSK	1	5	22.47	22.37	22.41	24	0		
1.4	QPSK	1	8	22.40	22.44	22.29	24	0		
1.4	QPSK	3	1	22.52	22.44	22.35	23	1		
1.4	QPSK	3	3	22.37	22.42	22.45	23	1		
1.4	QPSK	3	5	22.59	21.47	21.40	23	1		
1.4	16QAM	1	0	21.42	21.56	21.33	23	1		
1.4	16QAM	1	3	21.31	21.32	21.27	23	1		
1.4	16QAM	1	5	21.59	21.47	21.30	23	1		
1.4	16QAM	3	0	21.38	21.48	21.35	23	1		
1.4	16QAM	3	1	21.46	21.49	21.42	23	1		
1.4	16QAM	3	3	21.56	21.52	21.31	23	1		
1.4	16QAM	6	0	20.38	20.44	20.36	22	2		
1.4	16QAM	6	1							



Band 38 Ant 1 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Middle Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	21.93	21.95	21.91				
20	QPSK	1	49	21.89	21.83	21.91		23	0	
20	QPSK	1	99	21.79	21.78	21.83				
20	QPSK	50	0	21.83	21.82	21.91				
20	QPSK	50	24	21.83	21.83	21.79				
20	QPSK	50	50	21.84	21.79	21.84		23	0	
20	QPSK	100	0	21.89	21.93	21.80				
20	HQAM	1	0	21.84	21.88	21.85				
20	HQAM	1	49	21.86	21.89	21.83		23	0	
20	HQAM	1	99	21.88	21.92	21.85				
20	HQAM	50	0	21.01	20.88	20.82				
20	HQAM	50	24	20.85	20.92	20.82		22	1	
20	HQAM	50	50	20.78	20.83	21.05				
20	HQAM	100	0	20.99	21.01	20.92				
20	HQAM	1	0	20.83	20.81	20.81				
20	HQAM	1	49	20.82	20.90	20.78		22	1	
20	HQAM	1	99	20.77	20.84	20.84				
20	HQAM	50	24	19.98	19.98	19.84				
20	HQAM	50	50	19.88	19.77	20.02		21	2	
20	HQAM	100	0	19.89	19.82	19.73				
20	SSBQAM	1	0	18.03	18.01	17.79				
20	SSBQAM	1	49	17.99	17.99	18.07		19	4	
20	SSBQAM	1	99	17.76	17.77	17.86				
20	SSBQAM	50	0	17.77	17.79	17.84				
20	SSBQAM	50	24	17.87	17.92	17.87		19	4	
20	SSBQAM	50	50	17.82	17.84	17.86				
20	SSBQAM	100	0	17.82	17.85	18.03				
Channel				37625	38000	38175		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
15	QPSK	1	0	21.89	21.95	21.79				
15	QPSK	1	49	21.80	21.76	21.76		23	0	
15	QPSK	1	74	21.67	21.69	21.74				
15	QPSK	36	0	21.72	21.79	21.69				
15	QPSK	36	20	21.80	21.68	21.89		23	0	
15	QPSK	36	50	21.82	21.80	21.86				
15	QPSK	75	0	21.70	21.80	21.72				
15	HQAM	1	0	21.69	21.77	21.72				
15	HQAM	1	37	21.68	21.73	21.77		23	0	
15	HQAM	1	74	21.77	21.70	21.68				
15	HQAM	36	20	20.74	20.86	20.67		22	1	
15	HQAM	36	39	20.77	20.71	20.86				
15	HQAM	75	0	20.77	20.83	20.77				
15	HQAM	36	39	20.72	20.89	20.64		22	1	
15	HQAM	1	0	20.80	20.88	20.70				
15	HQAM	36	0	18.80	18.74	18.88				
15	HQAM	36	20	19.85	19.86	19.85		21	2	
15	HQAM	36	39	19.87	19.79	19.89				
15	HQAM	75	0	19.87	19.79	19.89				
15	SSBQAM	1	0	17.96	17.94	17.79				
15	SSBQAM	1	37	17.83	17.91	18.00		19	4	
15	SSBQAM	1	74	17.88	17.85	17.87				
15	SSBQAM	36	0	17.80	17.75	17.93				
15	SSBQAM	36	20	17.83	17.76	17.93		19	4	
15	SSBQAM	36	39	17.81	17.75	17.96				
Channel				37625	38000	38200		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
10	QPSK	1	0	21.79	21.72	21.67				
10	QPSK	1	25	21.78	21.75	21.81		23	0	
10	QPSK	1	49	21.78	21.70	21.81				
10	QPSK	25	0	21.68	21.78	21.73				
10	QPSK	25	12	21.79	21.83	21.87				
10	QPSK	25	25	21.82	21.72	21.71		23	0	
10	QPSK	50	0	21.72	21.70	21.71				
10	HQAM	1	0	21.73	21.70	21.81				
10	HQAM	1	25	21.82	21.72	21.76		23	0	
10	HQAM	1	49	21.67	21.81	21.82				
10	HQAM	25	0	20.89	20.77	20.71		22	1	
10	HQAM	25	12	20.88	20.85	20.79				
10	HQAM	25	25	20.84	20.85	20.85				
10	HQAM	50	0	20.80	20.95	20.80				
10	HQAM	1	0	20.88	20.76	20.76		22	1	
10	HQAM	1	25	20.80	20.78	20.75				
10	HQAM	1	49	20.81	20.86	20.79				
10	HQAM	25	0	19.83	19.74	19.89				
10	HQAM	25	12	19.84	19.81	19.81		21	2	
10	HQAM	25	25	19.86	19.80	19.85				
10	HQAM	50	0	19.88	19.79	19.81				
10	HQAM	1	0	17.85	17.98	17.84				
10	SSBQAM	1	25	17.87	17.90	18.01		19	4	
10	SSBQAM	1	49	17.88	17.72	17.81				
10	SSBQAM	25	0	17.84	17.80	17.82				
10	SSBQAM	25	12	17.86	17.82	17.89				
10	SSBQAM	25	25	17.80	17.84	17.70		19	4	
10	SSBQAM	50	0	17.82	17.84	18.00				
Channel				37775	38000	38225		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
5	QPSK	1	0	21.76	21.75	21.68				
5	QPSK	1	12	21.74	21.78	21.82		23	0	
5	QPSK	1	24	21.67	21.69	21.71				
5	QPSK	12	0	21.79	21.77	21.72				
5	QPSK	12	7	21.66	21.82	21.79				
5	QPSK	12	13	21.81	21.79	21.77		23	0	
5	QPSK	25	0	21.79	21.67	21.82				
5	HQAM	1	0	21.83	21.68	21.72				
5	HQAM	1	49	20.81	21.80	21.72		23	0	
5	HQAM	12	0	20.82	20.75	20.74				
5	HQAM	12	7	20.73	20.77	20.79		22	1	
5	HQAM	12	13	20.82	20.73	20.96				
5	HQAM	25	0	20.87	20.80	20.91				
5	HQAM	1	0	20.90	20.70	20.81		22	1	
5	HQAM	1	12	20.70	20.74	20.70				
5	HQAM	1	24	20.85	20.89	20.70				
5	HQAM	12	0	19.79	19.83	19.86				
5	HQAM	12	13	19.85	19.79	19.89		21	2	
5	HQAM	25	0	19.90	19.71	19.64				
5	SSBQAM	1	0	17.91	17.88	17.79				
5	SSBQAM	1	12	17.91	17.86	17.86		19	4	
5	SSBQAM	1	24	17.75	17.81	17.83				
5	SSBQAM	12	0	17.71	17.76	17.62				
5	SSBQAM	12	7	17.90	17.78	17.85		19	4	
5	SSBQAM	12	13	17.81	17.89	17.79				
5	SSBQAM	25	0	17.58	17.70	17.92				

Band 41 Ant 1 DS16											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Middle Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)											
20	QPSK	1	0	21.77	21.81	21.86	21.77	21.79			
20	QPSK	1	49	21.78	21.68	21.70	21.70	21.74		23	
20	QPSK	1	99	21.68	21.82	21.78	21.76	21.77			
20	QPSK	50	0	21.79	21.81	21.82	21.82	21.72			
20	QPSK	50	24	21.71	21.78	21.70	21.74	21.72			
20	QPSK	50	50	21.78	21.68	21.75	21.72	21.80		23	
20	QPSK	100	0	21.78	21.81	21.82	21.76	21.75			
20	HQAM	1	0	21.74	21.81	21.72	21.69	21.78			
20	HQAM	1	49	21.75	21.79	21.77	21.78	21.78		23	
20	HQAM	1	99	21.82	21.70	21.79	21.81	21.81			
20	HQAM	50	0	20.70	20.69	20.44	20.67	20.67			
20	HQAM	50	24	20.65	20.72	20.81	20.69	20.89		22	
20	HQAM	50	50	20.53	20.67	20.72	20.68	20.63			
20	HQAM	100	0	20.67	20.69	20.68	20.77	20.67			
20	HQAM	1	0	20.64	20.52	20.68	20.61	20.58			
20	HQAM	1	49	20.62	20.68	20.56	20.75	20.68		22	
20	HQAM	1	99	20.65	20.75	20.55	20.71	20.85			
20	HQAM	50	0	19.65	19.67	19.61	19.61	19.59			
20	HQAM	50	24	19.89	19.71	19.53	19.69	19.62		21	
20	HQAM	50	50	19.78	19.67	19.85	19.53	19.54			
20	HQAM	100	0	19.73	19.63	19.50	19.63	19.65			
20	SSBQAM	1	0	17.86	17.81	17.57	17.87	17.80			
20	SSBQAM	1	49	17.68	17.73	17.62	17.68	17.71		19	
20	SSBQAM	1	99	17.53	17.57	17.66	17.59	17.70			
20	SSBQAM	50	0	17.61	17.60	17.66	17.64	17.59			
20	SSBQAM	50	24	17.69	17.69	17.71	17.60	17.67		19	
20	SSBQAM	50	50	17.62	17.71	17.62	17.62	17.76			
20	SSBQAM	100	0	17.63	17.65	17.70	17.64	17.57			
Channel				39725	40173	40620	41058	41515		turn-up limit (dBm)	MPR (dB)
Frequency (MHz)											
15	QPSK	1	0	21.73	21.69	21.72	21.59	21.61			
15	QPSK	1	37	21.67	21.73	21.70	21.66	21.63		23	0
1											



GSM1900 Ant 2 DSIS6

GSM1900 Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1852.2	1863	1873.8	1852.2	1863	1873.8	1852.2	1863
GSM 1 Tx slot	28.60	29.98	29.60	30.50	19.60	20.98	20.60	21.50
GPRS 1 Tx slot	28.65	30.03	29.65	30.50	19.65	21.03	20.65	21.50
GPRS 2 Tx slot	28.55	27.81	27.71	28.30	20.55	21.87	21.71	22.50
GPRS 3 Tx slot	28.01	28.18	28.12	27.20	20.75	21.83	21.86	22.74
GPRS 4 Tx slot	23.51	24.55	24.28	25.50	20.51	21.55	21.28	22.50
EDGE 1 Tx slot	24.74	25.69	26.07	26.50	15.74	16.69	17.07	17.50
EDGE 2 Tx slot	23.58	24.55	24.55	25.50	17.58	18.55	18.53	19.50
EDGE 3 Tx slot	22.00	23.18	23.34	24.00	17.74	18.90	19.08	19.74
EDGE 4 Tx slot	20.52	21.58	21.77	22.50	17.52	18.58	18.77	19.50

WCDMA II Ant 2 DSIS6

WCDMA IV Ant 2 DSIS6

-1.5

Band	WCDMA II Ant 2			Tune-up Limit (dBm)	WCDMA IV Ant 2			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513	
TX Channel	9282	9400	9538	1312	1413	1513	1312	1413
RX Channel	9652	9800	9938	1537	1638	1738	1537	1638
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1722.6	1752.6	1712.4	1722.6
3GPP Rel 99	AMR 12.2Kbps	20.96	21.01	20.96	22.20	21.39	21.45	21.43
3GPP Rel 99	RMC 12.2Kbps	20.99	21.05	21.03	22.20	21.43	21.48	21.41
3GPP Rel 8	HSDPA Subtest 1	19.86	19.85	20.01	21.20	20.31	20.38	20.45
3GPP Rel 6	HSDPA Subtest 2	19.93	20.01	20.12	21.20	20.39	20.49	20.50
3GPP Rel 6	HSDPA Subtest 3	19.36	19.86	19.50	20.70	19.78	20.01	19.80
3GPP Rel 6	HSDPA Subtest 4	19.41	19.54	19.42	20.70	19.74	19.82	19.89
3GPP Rel 8	DC-HSDPA Subtest 1	19.93	20.05	20.07	21.20	20.28	20.58	20.55
3GPP Rel 8	DC-HSDPA Subtest 2	20.03	20.08	19.95	21.20	20.39	20.52	20.23
3GPP Rel 8	DC-HSDPA Subtest 3	19.42	19.51	19.49	20.70	19.76	19.86	19.99
3GPP Rel 8	DC-HSDPA Subtest 4	19.44	19.52	19.38	20.70	19.83	19.84	19.93
3GPP Rel 6	HSUPA Subtest 1	20.00	19.98	20.08	21.20	20.45	20.35	20.55
3GPP Rel 6	HSUPA Subtest 2	17.97	18.12	18.11	19.20	18.41	18.48	18.43
3GPP Rel 6	HSUPA Subtest 3	18.99	19.03	19.10	20.20	19.37	19.49	19.46
3GPP Rel 6	HSUPA Subtest 4	17.97	17.99	18.11	19.20	18.30	18.36	18.39
3GPP Rel 6	HSUPA Subtest 5	19.95	20.18	20.05	21.20	20.46	20.43	20.45



Band 2 Ant 2 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.13	21.15	21.12				
20	QPSK	1	49	21.08	21.07	21.03			22.2	0
20	QPSK	1	99	21.08	21.05	21.04				
20	QPSK	50	0	21.11	21.11	21.08				
20	QPSK	50	24	21.11	21.05	21.04				
20	QPSK	50	50	21.08	21.10	21.02			22.2	0
20	QPSK	100	0	21.10	21.11	21.09				
20	16QAM	1	0	21.10	21.02	21.06				
20	16QAM	1	49	21.06	21.06	21.11				
20	16QAM	1	99	21.12	21.14	21.05			22.2	0
20	16QAM	50	0	20.55	20.52	20.44				
20	16QAM	50	24	20.37	20.25	20.31				
20	16QAM	50	50	20.31	20.29	20.34			22	0.2
20	16QAM	100	0	20.34	20.43	20.44				
20	16QAM	1	0	20.37	20.38	20.35				
20	16QAM	1	49	20.21	20.31	20.21			22	0.2
20	16QAM	1	99	20.39	20.28	20.35				
20	16QAM	50	0	19.38	19.38	19.41				
20	16QAM	50	24	19.50	19.53	19.59				
20	16QAM	50	50	19.43	19.39	19.42			21	1.2
20	16QAM	100	0	19.43	19.39	19.42				
20	256QAM	1	0	17.52	17.41	17.52				
20	256QAM	1	49	17.49	17.36	17.40			19	3.2
20	256QAM	1	99	17.40	17.35	17.32				
20	256QAM	50	0	17.32	17.40	17.32				
20	256QAM	50	24	17.44	17.40	17.52				
20	256QAM	50	50	17.41	17.40	17.35			19	3.2
20	256QAM	100	0	17.37	17.42	17.49				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.94	21.04	21.07				
15	QPSK	1	37	21.00	21.07	21.04			22.2	0
15	QPSK	1	74	21.06	21.05	21.03				
15	QPSK	36	0	20.95	21.05	20.95				
15	QPSK	36	20	21.05	20.98	21.03			22.2	0
15	QPSK	36	39	21.03	20.93	20.97				
15	QPSK	75	0	21.04	21.01	21.04				
15	16QAM	1	0	21.01	21.05	21.01				
15	16QAM	1	37	21.04	21.01	21.05			22.2	0
15	16QAM	1	74	21.03	21.02	20.99				
15	16QAM	36	0	20.44	20.38	20.50				
15	16QAM	36	20	20.34	20.26	20.28			22	0.2
15	16QAM	36	39	20.36	20.34	20.31				
15	16QAM	75	0	20.29	20.35	20.31				
15	16QAM	1	0	20.40	20.34	20.29				
15	16QAM	1	37	20.24	20.20	20.15			22	0.2
15	16QAM	1	74	20.29	20.19	20.19				
15	16QAM	36	0	19.28	19.27	19.41				
15	16QAM	36	20	19.48	19.48	19.42			21	1.2
15	16QAM	36	39	19.41	19.47	19.42				
15	16QAM	75	0	19.31	19.36	19.26				
15	256QAM	1	0	17.43	17.34	17.50				
15	256QAM	1	37	17.42	17.35	17.32			19	3.2
15	256QAM	1	74	17.41	17.34	17.27				
15	256QAM	36	0	17.26	17.24	17.29				
15	256QAM	36	20	17.48	17.41	17.44				
15	256QAM	36	39	17.32	17.29	17.29			19	3.2
15	256QAM	75	0	17.31	17.41	17.39				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.93	20.95	21.00				
10	QPSK	1	25	21.00	21.00	20.91			22.2	0
10	QPSK	1	49	20.91	21.03	21.02				
10	QPSK	25	0	20.92	20.93	21.01				
10	QPSK	25	12	20.98	21.06	21.05			22.2	0
10	QPSK	25	25	20.96	20.94	20.92				
10	QPSK	50	0	21.03	21.02	20.92				
10	16QAM	1	0	20.92	20.92	21.01				
10	16QAM	1	25	20.92	21.06	20.93			22.2	0
10	16QAM	1	49	20.99	20.92	21.01				
10	16QAM	25	0	20.50	20.41	20.44				
10	16QAM	25	12	20.36	20.27	20.32				
10	16QAM	25	25	20.31	20.33	20.19			22	0.2
10	16QAM	50	0	20.27	20.35	20.26				
10	16QAM	1	0	20.34	20.29	20.28				
10	16QAM	1	25	20.21	20.31	20.28			22	0.2
10	16QAM	1	49	20.21	20.34	20.28				
10	16QAM	25	0	19.36	19.34	19.34				
10	16QAM	25	12	19.56	19.55	19.44			21	1.2
10	16QAM	25	25	19.49	19.49	19.48				
10	16QAM	50	0	19.26	19.38	19.34				
10	256QAM	1	0	17.39	17.49	17.46				
10	256QAM	1	25	17.38	17.46	17.40			19	3.2
10	256QAM	1	49	17.32	17.34	17.27				
10	256QAM	25	0	17.37	17.22	17.23				
10	256QAM	25	12	17.37	17.50	17.48			19	3.2
10	256QAM	25	25	17.29	17.35	17.39				
10	256QAM	50	0	17.41	17.39	17.37				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.00	20.99	21.05				
5	QPSK	1	12	20.94	20.95	21.02			22.2	0
5	QPSK	1	24	21.01	20.92	20.93				
5	QPSK	12	0	20.95	21.03	21.03				
5	QPSK	12	7	20.96	20.95	21.06			22.2	0
5	QPSK	12	13	20.97	20.97	21.06				
5	QPSK	25	0	21.07	20.95	21.03				
5	16QAM	1	0	20.94	21.02	20.95				
5	16QAM	1	12	21.05	21.00	20.97			22.2	0
5	16QAM	1	24	21.06	21.04	20.92				
5	16QAM	12	0	20.40	20.39	20.38				
5	16QAM	12	7	20.33	20.28	20.31			22	0.2
5	16QAM	12	13	20.26	20.32	20.30				
5	16QAM	25	0	20.28	20.25	20.34				
5	16QAM	1	0	20.20	20.40	20.41			22	0.2
5	16QAM	1	12	20.26	20.26	20.15				
5	16QAM	1	24	20.26	20.33	20.24				
5	16QAM	12	0	19.38	19.39	19.37				
5	16QAM	12	7	19.47	19.48	19.50			21	1.2
5	16QAM	12	13	19.47	19.46	19.42				
5	16QAM	25	0	19.26	19.39	19.31				
5	256QAM	1	0	17.40	17.49	17.44				
5	256QAM	1	12	17.45	17.42	17.46			19	3.2
5	256QAM	1	24	17.26	17.33	17.27				
5	256QAM	12	0	17.36	17.30	17.28				
5	256QAM	12	7	17.44	17.49	17.45			19	3.2
5	256QAM	12	13	17.31	17.34	17.32				
5	256QAM	25	0	17.43	17.44	17.34				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.93	21.03	21.01				
3	QPSK	1	8	20.83	21.04	20.96			22.2	0
3	QPSK	1	14	21.06	21.04	20.94				
3	QPSK	8	0	20.93	21.02	21.04				
3	QPSK	8	4	21.04	20.97	21.05			22.2	0
3	QPSK	8	7	21.01	20.92	21.00				
3	QPSK	15	0	21.00	21.01	20.95				
3	16QAM	1	0	21.04	20.94	20.96				
3	16QAM	1	8	21.00	21.01	20.99			22.2	0
3	16QAM	1	14	21.01	21.04	20.94				
3	16QAM	8	0	20.49	20.48	20.48				
3	16QAM	8	4	20.25	20.27	20.23			22	0.2
3	16QAM	8	7	20.26	20.25	20.23				
3	16QAM	15	0	20.37	20.29	20.33				
3	16QAM	1	0	20.34	20.35</					



1.4	QPSK	1	0	21.02	20.95	21.00		
1.4	QPSK	1	3	20.92	20.93	20.92		
1.4	QPSK	1	5	20.93	20.96	20.96		
1.4	QPSK	3	0	21.01	21.00	21.01	22.2	0
1.4	QPSK	3	1	21.06	21.05	20.95		
1.4	QPSK	3	3	20.91	20.94	20.92		
1.4	QPSK	6	0	20.99	21.02	21.05	22.2	0
1.4	16QAM	1	0	21.07	21.06	21.02		
1.4	16QAM	1	3	21.01	21.04	20.98		
1.4	16QAM	1	5	20.94	20.95	20.92		
1.4	16QAM	3	0	20.94	20.97	21.06	22.2	0
1.4	16QAM	3	1	20.98	20.98	21.02		
1.4	16QAM	3	3	20.99	21.05	21.05		
1.4	16QAM	6	0	20.24	20.25	20.31	22	0.2
1.4	64QAM	1	0	20.43	20.33	20.49		
1.4	64QAM	1	3	20.23	20.38	20.44		
1.4	64QAM	1	5	20.43	20.36	20.32		
1.4	64QAM	3	0	20.45	20.34	20.30	22	0.2
1.4	64QAM	3	1	20.35	20.34	20.25		
1.4	64QAM	3	3	20.37	20.33	20.36		
1.4	64QAM	6	0	19.40	19.42	19.33	21	1.2
1.4	256QAM	1	0	17.37	17.42	17.16		
1.4	256QAM	1	3	17.25	17.42	17.46		
1.4	256QAM	1	5	17.46	17.44	17.42		
1.4	256QAM	3	0	17.46	17.48	17.44	19	3.2
1.4	256QAM	3	1	17.35	17.48	17.22		
1.4	256QAM	3	3	17.37	17.52	17.33		
1.4	256QAM	6	0	17.29	17.43	17.48	19	3.2

1.4	QPSK	1	0	20.56	20.60	20.58		
1.4	QPSK	1	3	20.54	20.46	20.57		
1.4	QPSK	1	5	20.49	20.49	20.49		
1.4	QPSK	3	0	20.60	20.56	20.58	22	0
1.4	QPSK	3	1	20.59	20.50	20.48		
1.4	QPSK	3	3	20.48	20.56	20.52		
1.4	QPSK	6	0	20.61	20.54	20.49	22	0
1.4	16QAM	1	0	20.96	20.53	20.52		
1.4	16QAM	1	3	20.59	20.51	20.62		
1.4	16QAM	1	5	20.59	20.62	20.51		
1.4	16QAM	3	0	20.46	20.61	20.52	22	0
1.4	16QAM	3	1	20.61	20.50	20.58		
1.4	16QAM	3	3	20.60	20.59	20.58		
1.4	16QAM	6	0	20.35	20.39	20.35	21.8	0.2
1.4	64QAM	1	0	20.45	20.45	20.44		
1.4	64QAM	1	3	20.35	20.44	20.37		
1.4	64QAM	1	5	20.38	20.28	20.29		
1.4	64QAM	3	0	20.37	20.43	20.31	21.8	0.2
1.4	64QAM	3	1	20.40	20.46	20.35		
1.4	64QAM	3	3	20.36	20.28	20.28		
1.4	64QAM	6	0	19.38	19.40	19.24	20.8	1.2
1.4	256QAM	1	0	17.40	17.38	17.27		
1.4	256QAM	1	3	17.31	17.48	17.45		
1.4	256QAM	1	5	17.37	17.40	17.47		
1.4	256QAM	3	0	17.40	17.35	17.46	18.8	3.2
1.4	256QAM	3	1	17.37	17.46	17.24		
1.4	256QAM	3	3	17.27	17.47	17.34		
1.4	256QAM	6	0	17.33	17.45	17.54	18.8	3.2



Band 25 Ant 2 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (26140)	Power Middle Ch. Freq. (26340)	Power High Ch. Freq. (26540)	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1860	1880	1905				
20	QPSK	1	0	21.15	21.17	21.13				
20	QPSK	1	49	21.11	21.10	21.12		22.2	0	
20	QPSK	1	99	21.10	21.15	21.01				
20	QPSK	50	0	21.13	21.11	21.08				
20	QPSK	50	24	21.10	21.03	21.06				
20	QPSK	50	50	21.10	21.12	21.08		22.2	0	
20	QPSK	100	0	21.09	21.13	21.07				
20	16QAM	1	0	21.16	21.05	21.14				
20	16QAM	1	49	21.02	21.04	21.03		22.2	0	
20	16QAM	1	99	21.15	21.01	21.06				
20	16QAM	50	0	20.47	20.49	20.33				
20	16QAM	50	24	20.31	20.43	20.29				
20	16QAM	50	50	20.25	20.28	20.23		22	0.2	
20	16QAM	100	0	20.38	20.36	20.32				
20	84QAM	1	0	20.39	20.52	20.35				
20	84QAM	1	49	20.22	20.18	20.32		22	0.2	
20	84QAM	1	99	20.45	20.32	20.22				
20	84QAM	50	0	19.47	19.36	19.42				
20	84QAM	50	24	19.57	19.51	19.50				
20	84QAM	50	50	19.50	19.45	19.53				
20	84QAM	100	0	19.28	19.34	19.27		21	1.2	
20	256QAM	1	0	17.54	17.48	17.48				
20	256QAM	1	49	17.46	17.52	17.44		19	3.2	
20	256QAM	1	99	17.33	17.46	17.23				
20	256QAM	50	0	17.26	17.28	17.19				
20	256QAM	50	24	17.38	17.40	17.44				
20	256QAM	50	50	17.45	17.40	17.42		19	3.2	
20	256QAM	100	0	17.56	17.46	17.52				
Channel										
Frequency (MHz)				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	20.99	20.98	20.94				
15	QPSK	1	37	20.96	21.06	20.92		22.2	0	
15	QPSK	1	74	21.06	20.97	20.92				
15	QPSK	36	0	20.97	21.01	21.02				
15	QPSK	36	20	20.93	21.07	20.98		22.2	0	
15	QPSK	36	39	20.95	20.97	21.00				
15	QPSK	75	0	20.95	21.00	21.00				
15	16QAM	1	0	21.06	21.04	20.95				
15	16QAM	1	37	21.06	21.00	21.07		22.2	0	
15	16QAM	1	74	21.04	21.05	20.97				
15	16QAM	36	0	20.46	20.43	20.40				
15	16QAM	36	20	20.34	20.32	20.24		22	0.2	
15	16QAM	36	39	20.23	20.28	20.28				
15	16QAM	75	0	20.31	20.43	20.41				
15	84QAM	1	0	20.45	20.47	20.36				
15	84QAM	1	37	20.16	20.23	20.31		22	0.2	
15	84QAM	1	74	20.36	20.34	20.26				
15	84QAM	36	0	19.42	19.35	19.39				
15	84QAM	36	20	19.31	19.42	19.33		21	1.2	
15	84QAM	36	39	19.39	19.44	19.53				
15	84QAM	75	0	19.24	19.34	19.40				
15	256QAM	1	0	17.53	17.45	17.51				
15	256QAM	1	37	17.33	17.53	17.51		19	3.2	
15	256QAM	1	74	17.33	17.43	17.30				
15	256QAM	36	0	17.20	17.36	17.32				
15	256QAM	36	20	17.52	17.38	17.36		19	3.2	
15	256QAM	36	39	17.53	17.44	17.30				
15	256QAM	75	0	17.57	17.40	17.39				
Channel										
Frequency (MHz)				26270	26340	26640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	21.07	21.05	21.04				
10	QPSK	1	25	20.94	20.98	20.97		22.2	0	
10	QPSK	1	49	20.96	20.97	20.96				
10	QPSK	25	0	21.06	20.92	21.00				
10	QPSK	25	12	20.96	21.02	20.93		22.2	0	
10	QPSK	25	25	20.98	21.05	20.99				
10	QPSK	50	0	20.98	21.04	20.92				
10	16QAM	1	0	21.00	21.02	21.06				
10	16QAM	1	25	20.92	21.01	20.97		22.2	0	
10	16QAM	1	49	21.04	21.01	20.98				
10	16QAM	25	0	20.43	20.37	20.34				
10	16QAM	25	12	20.28	20.45	20.30		22	0.2	
10	16QAM	25	25	20.28	20.31	20.31				
10	16QAM	50	0	20.38	20.27	20.34				
10	84QAM	1	0	20.46	20.43	20.36				
10	84QAM	1	25	20.31	20.26	20.23		22	0.2	
10	84QAM	1	49	20.36	20.39	20.33				
10	84QAM	25	0	19.45	19.39	19.35				
10	84QAM	25	12	19.59	19.54	19.52				
10	84QAM	25	25	19.49	19.37	19.44		21	1.2	
10	84QAM	50	0	19.25	19.33	19.30				
10	256QAM	1	0	17.46	17.45	17.59				
10	256QAM	1	25	17.41	17.48	17.49		19	3.2	
10	256QAM	1	49	17.37	17.33	17.23				
10	256QAM	25	0	17.30	17.26	17.25				
10	256QAM	25	12	17.39	17.40	17.37		19	3.2	
10	256QAM	25	25	17.53	17.39	17.44				
10	256QAM	50	0	17.58	17.55	17.45				
Channel										
Frequency (MHz)				26265	26340	26640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	20.92	21.02	21.01				
5	QPSK	1	12	21.02	20.92	20.96		22.2	0	
5	QPSK	1	24	21.06	21.02	20.97				
5	QPSK	12	0	21.03	20.98	20.93				
5	QPSK	12	7	21.05	20.96	21.04		22.2	0	
5	QPSK	12	13	21.02	20.96	21.07				
5	QPSK	25	0	21.06	20.92	21.01				
5	16QAM	1	0	21.06	21.07	20.94				
5	16QAM	1	12	21.04	20.97	20.95		22.2	0	
5	16QAM	1	24	21.04	21.03	20.99				
5	16QAM	12	0	20.38	20.51	20.41				
5	16QAM	12	7	20.32	20.38	20.32		22	0.2	
5	16QAM	12	13	20.26	20.31	20.29				
5	16QAM	25	0	20.28	20.41	20.43				
5	84QAM	1	0	20.40	20.40	20.38				
5	84QAM	1	12	20.26	20.19	20.25		22	0.2	
5	84QAM	1	24	20.43	20.30	20.27				
5	84QAM	12	0	19.44	19.32	19.44				
5	84QAM	12	7	19.55	19.51	19.62				
5	84QAM	12	13	19.44	19.43	19.55		21	1.2	
5	84QAM	25	0	19.31	19.43	19.48				
5	256QAM	1	0	17.49	17.48	17.54				
5	256QAM	1	12	17.42	17.47	17.41		19	3.2	
5	256QAM	1	24	17.30	17.38	17.28				
5	256QAM	12	0	17.33	17.31	17.32				
5	256QAM	12	7	17.37	17.42	17.45				
5	256QAM	12	13	17.51	17.42	17.38		19	3.2	
5	256QAM	25	0	17.47	17.41	17.50				
Channel										
Frequency (MHz)				26265	26340	26675	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	21.06	21.02	21.04				
3	QPSK	1	8	20.98	21.05	20.92		22.2	0	
3	QPSK	1	14	21.04	21.03	20.99				
3	QPSK	8	0	20.96	21.05	20.92				
3	QPSK	8	4	20.98	20.95	20.99		22.2	0	
3	QPSK	8	7	21.04	21.05	21.01				
3	16QAM	1	0	20.98	20.92	20.99				
3	16QAM	1	8	21.01	20.93	20.97		22.2	0	



1.4	QPSK	1	0	20.96	20.97	21.02		
1.4	QPSK	1	3	20.96	20.95	20.99		
1.4	QPSK	1	5	21.05	21.03	20.92		
1.4	QPSK	3	0	21.04	20.98	20.96		
1.4	QPSK	3	1	20.94	21.01	20.96		
1.4	QPSK	3	3	21.02	21.03	20.95		
1.4	QPSK	6	0	21.06	21.05	20.98		
1.4	16QAM	1	0	20.96	21.04	20.93		
1.4	16QAM	1	3	21.01	21.06	20.95		
1.4	16QAM	1	5	20.93	21.07	21.03		
1.4	16QAM	3	0	21.03	20.97	21.01		
1.4	16QAM	3	1	21.05	20.98	21.06		
1.4	16QAM	3	3	21.06	20.98	20.91		
1.4	16QAM	6	0	20.97	20.97	20.94		
1.4	64QAM	1	0	20.47	20.37	20.51		
1.4	64QAM	1	3	20.33	20.45	20.40		
1.4	64QAM	1	5	20.41	20.42	20.40		
1.4	64QAM	3	0	20.43	20.39	20.40		
1.4	64QAM	3	1	20.50	20.50	20.34		
1.4	64QAM	3	3	20.50	20.35	20.48		
1.4	64QAM	6	0	19.38	19.38	19.34		
1.4	256QAM	1	0	17.46	17.42	17.25		
1.4	256QAM	1	3	17.35	17.44	17.44		
1.4	256QAM	1	5	17.44	17.50	17.52		
1.4	256QAM	3	0	17.52	17.41	17.49		
1.4	256QAM	3	1	17.53	17.61	17.35		
1.4	256QAM	3	3	17.32	17.54	17.45		
1.4	256QAM	6	0	17.39	17.39	17.53		

1.4	QPSK	1	0	20.65	20.62	20.51		
1.4	QPSK	1	3	20.61	20.59	20.52		
1.4	QPSK	1	5	20.57	20.62	20.64		
1.4	QPSK	3	0	20.59	20.55	20.52		
1.4	QPSK	3	1	20.63	20.62	20.66		
1.4	QPSK	3	3	20.61	20.66	20.66		
1.4	QPSK	6	0	20.56	20.64	20.60		
1.4	16QAM	1	0	20.66	20.55	20.66		
1.4	16QAM	1	3	20.64	20.61	20.56		
1.4	16QAM	1	5	20.57	20.53	20.58		
1.4	16QAM	3	0	20.59	20.55	20.66		
1.4	16QAM	3	1	20.63	20.59	20.59		
1.4	16QAM	3	3	20.58	20.62	20.53		
1.4	16QAM	6	0	20.33	20.42	20.39		
1.4	64QAM	1	0	20.46	20.39	20.54		
1.4	64QAM	1	3	20.24	20.50	20.45		
1.4	64QAM	1	5	20.47	20.28	20.37		
1.4	64QAM	3	0	20.44	20.37	20.40		
1.4	64QAM	3	1	20.35	20.40	20.37		
1.4	64QAM	3	3	20.38	20.38	20.34		
1.4	64QAM	6	0	19.48	19.46	19.29		
1.4	256QAM	1	0	17.47	17.46	17.33		
1.4	256QAM	1	3	17.41	17.57	17.46		
1.4	256QAM	1	5	17.43	17.53	17.52		
1.4	256QAM	3	0	17.51	17.47	17.61		
1.4	256QAM	3	1	17.53	17.56	17.33		
1.4	256QAM	3	3	17.33	17.51	17.35		
1.4	256QAM	6	0	17.40	17.45	17.45		



Band 38 Ant 2 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				38750	38800	38150				
Frequency (MHz)										
20	QPSK	1	0	21.52	21.56	21.54				
20	QPSK	1	49	21.47	21.52	21.41			22.8	0
20	QPSK	1	99	21.44	21.48	21.44				
20	QPSK	50	0	21.48	21.52	21.48				
20	QPSK	50	24	21.48	21.43	21.38				
20	QPSK	50	50	21.38	21.51	21.40			22.8	0
20	QPSK	100	0	21.48	21.51	21.49				
20	HQAM	1	0	21.51	21.40	21.38				
20	HQAM	1	49	21.50	21.50	21.46			22.8	0
20	HQAM	1	99	21.51	21.54	21.38				
20	HQAM	50	0	20.58	20.68	20.55				
20	HQAM	50	24	20.39	20.63	20.40			22	0.8
20	HQAM	50	50	20.36	20.38	20.56				
20	HQAM	100	0	20.58	20.62	20.50				
20	HQAM	1	0	20.61	20.66	20.51				
20	HQAM	1	49	20.41	20.51	20.49			22	0.8
20	HQAM	1	99	20.62	20.63	20.44				
20	HQAM	50	0	19.62	19.62	19.62				
20	HQAM	50	24	19.84	19.81	19.79			21	1.8
20	HQAM	50	50	19.70	19.66	19.71				
20	HQAM	100	0	19.84	19.84	19.47				
20	SSQAM	1	0	17.74	17.68	17.79			19	3.8
20	SSQAM	1	49	17.68	17.64	17.66				
20	SSQAM	1	99	17.49	17.59	17.56				
20	SSQAM	50	0	17.41	17.58	17.39			19	3.8
20	SSQAM	50	24	17.66	17.62	17.66				
20	SSQAM	50	50	17.50	17.51	17.51				
20	SSQAM	100	0	17.74	17.68	17.66				
Channel										
Channel				38725	38800	38175	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	21.34	21.38	21.39				
15	QPSK	1	49	21.38	21.41	21.29			22.8	0
15	QPSK	1	74	21.42	21.29	21.41				
15	QPSK	36	0	21.32	21.41	21.40				
15	QPSK	36	20	21.40	21.34	21.36			22.8	0
15	QPSK	36	39	20.37	20.31	20.31				
15	QPSK	75	0	21.40	21.37	21.32				
15	HQAM	1	0	21.35	21.35	21.31				
15	HQAM	1	37	21.41	21.31	21.30			22.8	0
15	HQAM	1	74	21.35	21.41	21.37				
15	HQAM	36	0	20.62	20.45	20.55				
15	HQAM	36	20	20.37	20.44	20.41			22	0.8
15	HQAM	36	39	20.27	20.31	20.46				
15	HQAM	75	0	20.33	20.38	20.48				
15	HQAM	36	39	20.50	20.51	20.51			22	0.8
15	HQAM	1	37	20.40	20.34	20.43				
15	HQAM	1	74	20.42	20.46	20.43				
15	HQAM	36	0	19.62	19.54	19.46				
15	HQAM	36	20	19.64	19.56	19.72			21	1.8
15	HQAM	36	39	19.51	19.51	19.51				
15	HQAM	75	0	19.43	19.46	19.45				
15	SSQAM	1	0	17.59	17.58	17.60				
15	SSQAM	1	37	17.65	17.60	17.50			19	3.8
15	SSQAM	1	74	17.48	17.48	17.53				
15	SSQAM	36	0	17.38	17.39	17.43				
15	SSQAM	36	20	17.48	17.46	17.49			19	3.8
15	SSQAM	36	39	17.59	17.45	17.51				
15	SSQAM	75	0	17.67	17.63	17.62				
Channel										
Channel				38725	38800	38175	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	21.33	21.45	21.36				
10	QPSK	1	25	21.29	21.43	21.26			22.8	0
10	QPSK	1	49	21.31	21.38	21.36				
10	QPSK	25	0	21.35	21.31	21.35				
10	QPSK	25	12	21.28	21.43	21.29			22.8	0
10	QPSK	25	25	21.34	21.45	21.39				
10	QPSK	50	0	21.41	21.41	21.32				
10	HQAM	1	0	21.30	21.30	21.30				
10	HQAM	1	25	21.30	21.40	21.31			22.8	0
10	HQAM	1	49	21.30	21.37	21.34				
10	HQAM	25	0	20.51	20.60	20.48				
10	HQAM	25	12	20.33	21.38	20.38			22	0.8
10	HQAM	25	25	20.27	20.35	20.45				
10	HQAM	50	0	20.37	20.39	20.47				
10	HQAM	1	0	20.50	20.48	20.42			22	0.8
10	HQAM	1	25	20.34	20.33	20.47				
10	HQAM	1	49	20.44	20.44	20.43				
10	HQAM	25	0	19.58	19.52	19.48				
10	HQAM	25	12	19.73	19.50	19.65			21	1.8
10	HQAM	25	25	19.54	19.60	19.54				
10	HQAM	50	0	19.34	19.33	19.44				
10	HQAM	50	0	20.37	20.39	20.47				
10	SSQAM	1	0	17.56	17.63	17.60				
10	SSQAM	1	25	17.49	17.50	17.49			19	3.8
10	SSQAM	1	49	17.38	17.47	17.34				
10	SSQAM	25	0	17.40	17.38	17.31				
10	SSQAM	25	12	17.54	17.63	17.60			19	3.8
10	SSQAM	25	25	17.47	17.51	17.47				
10	SSQAM	50	0	17.65	17.57	17.57				
Channel										
Channel				37775	38000	38225	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	21.38	21.41	21.34				
5	QPSK	1	12	21.41	21.29	21.29			22.8	0
5	QPSK	1	24	21.38	21.40	21.30				
5	QPSK	12	0	21.34	21.25	21.35				
5	QPSK	12	7	21.28	21.41	21.37			22.8	0
5	QPSK	12	13	21.32	21.30	21.27				
5	QPSK	25	0	21.42	21.32	21.33				
5	HQAM	1	0	21.41	21.33	21.32				
5	HQAM	1	12	21.28	21.39	21.27			22.8	0
5	HQAM	12	0	20.53	20.56	20.44				
5	HQAM	12	7	20.29	20.43	20.39			22	0.8
5	HQAM	12	13	20.34	20.38	20.32				
5	HQAM	25	0	19.56	19.41	19.59				
5	HQAM	1	0	20.52	20.56	20.55				
5	HQAM	1	12	20.29	20.35	20.46			22	0.8
5	HQAM	1	24	20.53	20.43	20.40				
5	HQAM	12	0	19.70	19.58	19.65			21	1.8
5	HQAM	12	13	19.60	19.61	19.57				
5	HQAM	25	0	19.39	19.54	19.41				
5	SSQAM	1	0	17.53	17.55	17.68			19	3.8
5	SSQAM	1	12	17.43	17.60	17.49				
5	SSQAM	1	24	17.50	17.54	17.46				
5	SSQAM	12	0	17.34	17.46	17.31				
5	SSQAM	12	7	17.60	17.53	17.51			19	3.8
5	SSQAM	12	13	17.47	17.56	17.50				
5	SSQAM	25	0	17.55	17.61	17.50				

Band 41 Ant 2 DS16											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)											
20	QPSK	1	0	21.51	21.54	21.58	21.52	21.43			
20	QPSK	1	49	21.45	21.44	21.44	21.53	21.51		22.8	0
20	QPSK	1	99	21.56	21.49	21.43	21.56	21.51			
20	QPSK	50	0	21.52	21.52	21.52	21.51	21.49			
20	QPSK	50	24	21.52	21.48	21.53	21.52	21.42			
20	QPSK	50	50	21.47	21.54	21.46	21.52	21.47		22.8	0
20	QPSK	100	0	21.53	21.51	21.57	21.50	21.49			
20	HQAM	1	0	21.54	21.55	21.56	21.44	21.55			
20	HQAM	1	49	21.48	21.45	21.44	21.53	21.53		22.8	0
20	HQAM	1	99	21.53	21.56	21.53	21.55	21.45			
20	HQAM	50	0	20.67	20.57	20.69	20.67	20.53			
20	HQAM	50	24	20.45	20.63	20.52	20.43	20.47		22	0.8
20	HQAM	50	50	20.51	20.41	20.41	20.56	20.51			
20	HQAM	100	0	20.45	20.47	20.54	20.59	20.53			
20	HQAM	1	0	20.60	20.72	20.58	20.53	20.64			
20	HQAM	1	49	20.37	20.50	20.49	20.46	20.52		22	0.8
20	HQAM	1	99	20.62	20.63	20.49	20.50	20.45			
20	HQAM	50	0	19.62	19.61	19.61	19.76	19.61			
20	HQAM	50	24	19.85	19.80	19.76	19.82	19.75		21	1.8
20	HQAM	50	50	19.70	19.56	19.79	19.71	19.73			
20	HQAM	100	0	19.53	19.53	19.57	19.53	19.54			
20	SSQAM	1	0	17.71	17.68	17.68	17.66	17.75		19	3.8
20	SSQAM	1	49	17.67	17.61	17.61	17.61	17.60			
20	SSQAM	1	99	17.48	17.54	17.41	17.43	17.55			
20	SSQAM	50	0	17.55	17.51	17.42	17.44	17.42		19	3.8
20	SSQAM	50	24	17.62	17.73	17.60	17.58	17.71			



Band 7 Ant 3 DS16

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2050	2100	2150		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.52	21.63	21.48	23	0
20	QPSK	1	49	21.45	21.47	21.49		
20	QPSK	1	99	21.53	21.56	21.62		
20	QPSK	50	0	20.59	20.68	20.62	22	1
20	QPSK	50	24	20.57	20.65	20.53		
20	QPSK	50	50	20.53	20.45	20.43		
20	QPSK	100	0	20.58	20.65	20.59		
20	16QAM	1	0	20.40	20.45	20.49	22	1
20	16QAM	1	49	20.35	20.35	20.55		
20	16QAM	1	99	20.46	20.65	20.55		
20	16QAM	50	0	19.61	19.72	19.48	21	2
20	16QAM	50	24	19.35	19.55	19.42		
20	16QAM	50	50	19.39	19.35	19.56		
20	16QAM	100	0	19.61	19.57	19.55		
20	64QAM	1	0	19.54	19.69	19.44	21	2
20	64QAM	1	49	19.44	19.57	19.53		
20	64QAM	1	99	19.56	19.61	19.44		
20	64QAM	50	0	18.78	18.59	18.59	20	3
20	64QAM	50	24	18.78	18.69	18.77		
20	64QAM	50	50	18.65	18.63	18.71		
20	64QAM	100	0	18.41	18.70	18.41		
20	256QAM	1	0	16.66	16.69	16.81	18	5
20	256QAM	1	49	16.66	16.66	16.67		
20	256QAM	1	99	16.54	16.53	16.50		
20	256QAM	50	0	16.36	16.57	16.39	18	5
20	256QAM	50	24	16.72	16.60	16.71		
20	256QAM	50	50	16.68	16.65	16.58		
20	256QAM	100	0	16.77	16.70	16.73		
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.48	21.50	21.52	23	0
15	QPSK	1	37	21.53	21.50	21.50		
15	QPSK	1	74	21.55	21.55	21.60		
15	QPSK	38	0	20.62	20.67	20.59	22	1
15	QPSK	38	20	20.51	20.57	20.55		
15	QPSK	38	39	20.55	20.45	20.56		
15	16QAM	1	0	20.61	20.70	20.49	22	1
15	16QAM	1	37	20.52	20.38	20.40		
15	16QAM	1	74	20.47	20.56	20.48		
15	16QAM	38	0	19.50	19.75	19.47	21	2
15	16QAM	38	20	19.34	19.61	19.36		
15	16QAM	38	39	19.38	19.32	19.52		
15	16QAM	75	0	19.55	19.57	19.44	20	3
15	64QAM	1	0	19.66	19.60	19.58	21	2
15	64QAM	1	37	19.44	19.57	19.44		
15	64QAM	1	74	19.64	19.68	19.46		
15	64QAM	38	0	18.81	18.55	18.55	20	3
15	64QAM	38	20	18.86	18.67	18.67		
15	64QAM	38	39	18.62	18.58	18.68		
15	64QAM	75	0	18.39	18.58	18.46	18	5
15	256QAM	1	0	16.81	16.62	16.73		
15	256QAM	1	37	16.60	16.68	16.65		
15	256QAM	1	74	16.45	16.58	16.63		
15	256QAM	38	0	16.37	16.54	16.46	18	5
15	256QAM	38	20	16.69	16.59	16.72		
15	256QAM	38	39	16.65	16.53	16.49		
15	256QAM	75	0	16.74	16.65	16.61		
Channel				20800	21100	21400		
Frequency (MHz)				2508	2535	2565		
10	QPSK	1	0	21.51	21.51	21.44	23	0
10	QPSK	1	25	21.57	21.45	21.47		
10	QPSK	1	49	21.55	21.62	21.60		
10	QPSK	25	0	20.57	20.62	20.61	22	1
10	QPSK	25	12	20.48	20.56	20.55		
10	QPSK	25	25	20.66	20.48	20.45		
10	QPSK	50	0	20.65	20.59	20.52	21	2
10	16QAM	1	0	20.41	20.39	20.38		
10	16QAM	1	25	20.56	20.68	20.47		
10	16QAM	1	49	20.43	20.59	20.59		
10	16QAM	25	0	19.60	19.74	19.59	20	3
10	16QAM	25	12	19.46	19.58	19.42		
10	16QAM	25	25	19.35	19.40	19.58		
10	16QAM	50	0	19.54	19.58	19.48	21	2
10	64QAM	1	0	19.53	19.62	19.57	21	2
10	64QAM	1	25	19.46	19.52	19.54		
10	64QAM	1	49	19.59	19.60	19.50		
10	64QAM	25	0	18.70	18.49	18.52	20	3
10	64QAM	25	12	18.85	18.57	18.78		
10	64QAM	25	25	18.73	18.63	18.74		
10	64QAM	50	0	18.38	18.71	18.43	18	5
10	256QAM	1	0	16.75	16.70	16.86		
10	256QAM	1	25	16.67	16.64	16.76		
10	256QAM	1	49	16.47	16.54	16.52	18	5
10	256QAM	25	0	16.48	16.53	16.46		
10	256QAM	25	12	16.72	16.63	16.70		
10	256QAM	25	25	16.69	16.62	16.49		
10	256QAM	50	0	16.74	16.60	16.71		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.58	21.53	21.40	23	0
5	QPSK	1	12	21.44	21.45	21.49		
5	QPSK	1	24	21.48	21.59	21.59		
5	QPSK	12	0	20.60	20.76	20.59	22	1
5	QPSK	12	7	20.46	20.64	20.50		
5	QPSK	12	13	20.61	20.47	20.51		
5	QPSK	25	0	20.58	20.63	20.50	21	2
5	16QAM	1	0	20.42	20.49	20.44		
5	16QAM	1	12	20.50	20.55	20.50		
5	16QAM	1	24	20.42	20.65	20.63	20	3
5	16QAM	12	0	19.53	19.66	19.48		
5	16QAM	12	7	19.45	19.59	19.45		
5	16QAM	12	13	19.39	19.42	19.60		
5	16QAM	25	0	19.50	19.65	19.43	21	2
5	64QAM	1	0	19.55	19.66	19.57	20	3
5	64QAM	1	12	19.39	19.46	19.51		
5	64QAM	1	24	19.67	19.67	19.39		
5	64QAM	12	0	18.72	18.50	18.51	18	5
5	64QAM	12	7	18.90	18.59	18.83		
5	64QAM	12	13	18.66	18.56	18.70		
5	256QAM	1	0	16.44	16.66	16.41	18	5
5	256QAM	1	12	16.80	16.70	16.82		
5	256QAM	1	24	16.41	16.63	16.50		
5	256QAM	12	0	16.43	16.53	16.43		
5	256QAM	12	7	16.62	16.59	16.73		
5	256QAM	12	13	16.75	16.59	16.53		
5	256QAM	25	0	16.79	16.60	16.67		



Band 38 Ant 3 DS16										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				39750	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	21.48	21.52	21.44				
20	QPSK	1	49	21.49	21.47	21.41			23	0
20	QPSK	1	99	21.40	21.46	21.42				
20	QPSK	50	0	19.31	19.36	19.36				
20	QPSK	50	24	20.51	20.53	20.57			22	1
20	QPSK	50	50	20.51	20.39	20.47				
20	QPSK	100	0	20.61	20.62	20.58				
20	HQAM	1	0	20.47	20.51	20.36				
20	HQAM	1	49	20.52	20.63	20.74			22	1
20	HQAM	1	99	20.44	20.96	20.51				
20	HQAM	50	0	19.52	19.73	19.58				
20	HQAM	50	24	19.31	19.63	19.33			21	2
20	HQAM	50	50	19.31	19.36	19.50				
20	HQAM	100	0	19.53	19.56	19.50				
20	HQAM	1	0	19.63	19.66	19.49				
20	HQAM	1	49	19.37	19.50	19.53			21	2
20	HQAM	1	99	19.70	19.65	19.52				
20	HQAM	50	0	18.78	18.76	18.82				
20	HQAM	50	24	18.86	18.63	18.85			20	3
20	HQAM	50	50	18.70	18.64	18.71				
20	HQAM	100	0	18.40	18.88	18.40				
20	256QAM	1	0	16.78	16.82	16.82			18	5
20	256QAM	1	49	16.77	16.77	16.77				
20	256QAM	1	99	16.57	16.59	16.53				
20	256QAM	50	0	16.35	16.63	16.40				
20	256QAM	50	24	16.33	16.55	16.68			18	5
20	256QAM	50	50	16.77	16.84	16.44				
20	256QAM	100	0	16.80	16.70	16.69				
15	QPSK	1	0	21.44	21.38	21.30				
15	QPSK	1	49	21.48	21.34	21.36			23	0
15	QPSK	1	99	21.44	21.43	21.50				
15	QPSK	36	0	20.50	20.59	20.50				
15	QPSK	36	20	20.38	20.43	20.42			22	1
15	QPSK	36	39	19.27	19.54	19.44				
15	QPSK	75	0	20.48	20.49	20.42				
15	HQAM	1	0	20.38	20.28	20.27				
15	HQAM	1	37	20.46	20.57	20.34			22	1
15	HQAM	1	74	20.32	20.48	20.50				
15	HQAM	36	0	19.43	19.55	19.36				
15	HQAM	36	20	19.38	19.52	19.26			21	2
15	HQAM	36	39	19.27	19.25	19.47				
15	HQAM	75	0	19.42	19.56	19.46				
15	HQAM	1	0	18.67	18.63	18.64				
15	HQAM	1	37	19.34	19.47	19.47			21	2
15	HQAM	1	74	19.47	19.52	19.38				
15	HQAM	36	0	18.67	18.40	18.45				
15	HQAM	36	20	18.70	18.40	18.65			20	3
15	HQAM	36	39	18.53	18.53	18.53				
15	HQAM	75	0	18.42	18.55	18.35				
15	256QAM	1	0	16.66	16.50	16.69				
15	256QAM	1	37	16.50	16.56	16.52			18	5
15	256QAM	1	74	16.50	16.50	16.50				
15	256QAM	36	0	16.27	16.47	16.23				
15	256QAM	36	20	16.59	16.52	16.54			18	5
15	256QAM	36	39	16.22	16.54	16.36				
15	256QAM	75	0	16.60	16.61	16.60				
10	QPSK	1	0	21.75	21.36	21.31				
10	QPSK	1	25	21.35	21.49	21.38			23	0
10	QPSK	1	49	21.38	21.48	21.36				
10	QPSK	25	0	20.38	20.67	20.57				
10	QPSK	25	12	20.42	20.56	20.52			22	1
10	QPSK	25	25	20.49	20.31	20.40				
10	QPSK	50	0	20.48	20.61	20.46				
10	HQAM	1	0	20.38	20.29	20.24				
10	HQAM	1	25	20.38	20.45	20.43			22	1
10	HQAM	1	49	20.37	20.57	20.53				
10	HQAM	25	0	19.46	19.62	19.52				
10	HQAM	25	12	19.35	19.54	19.29			21	2
10	HQAM	25	25	19.32	19.35	19.47				
10	HQAM	50	0	19.42	19.57	19.33				
10	HQAM	1	0	19.55	19.60	19.49				
10	HQAM	1	25	19.34	19.46	19.42			21	2
10	HQAM	1	49	19.38	19.29	19.24				
10	HQAM	25	0	18.60	18.47	18.39				
10	HQAM	25	12	18.76	18.52	18.70			20	3
10	HQAM	25	25	18.57	18.50	18.65				
10	HQAM	50	0	18.40	18.40	18.31				
10	HQAM	50	0	16.66	16.55	16.76				
10	256QAM	1	25	16.51	16.53	16.55			18	5
10	256QAM	1	49	16.47	16.54	16.51				
10	256QAM	25	0	16.26	16.42	16.24				
10	256QAM	25	12	16.56	16.56	16.56			18	5
10	256QAM	25	25	16.59	16.41	16.49				
10	256QAM	50	0	16.66	16.62	16.62				

Band 41 Ant 3 DS16											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)											
20	QPSK	1	0	21.43	21.51	21.54	21.39	21.40			
20	QPSK	1	49	21.53	21.53	21.46	21.42	21.46		23	0
20	QPSK	1	99	21.45	21.50	21.52	21.46	21.41			
20	QPSK	50	0	20.61	20.62	20.65	20.60	20.58			
20	QPSK	50	24	20.63	20.55	20.63	20.61	20.63			
20	QPSK	50	50	20.46	20.41	20.41	20.41	20.37		22	1
20	QPSK	100	0	20.56	20.56	20.54	20.57	20.55			
20	HQAM	1	0	20.46	20.53	20.47	20.44	20.47			
20	HQAM	1	49	20.57	20.59	20.56	20.56	20.56		22	1
20	HQAM	1	99	20.49	20.69	20.62	20.70	20.58			
20	HQAM	50	0	19.65	19.72	19.70	19.78	19.78			
20	HQAM	50	24	19.59	19.57	19.62	19.58	19.67		21	2
20	HQAM	50	50	19.34	19.66	19.63	19.35	19.38			
20	HQAM	100	0	19.49	19.67	19.61	19.54	19.61			
20	HQAM	1	0	19.73	19.66	19.74	19.68	19.71			
20	HQAM	1	49	19.50	19.50	19.46	19.51	19.48		21	2
20	HQAM	1	99	19.72	19.64	19.62	19.66	19.69			
20	HQAM	50	0	18.45	18.60	18.52	18.66	18.53			
20	HQAM	50	24	18.65	18.63	18.69	18.61	18.55		20	3
20	HQAM	50	50	18.66	18.64	18.63	18.60	18.69			
20	HQAM	100	0	18.72	18.69	18.69	18.68	18.61			
20	256QAM	1	0	16.57	16.66	16.63	16.59	16.70		18	5
20	256QAM	1	49	16.72	16.77	16.76	16.73	16.73			
20	256QAM	1	99	16.64	16.64	16.64	16.58	16.66			
20	256QAM	50	0	16.56	16.56	16.57	16.61	16.66			
20	256QAM	50	24	16.55	16.48	16.52	16.54	16.52		18	5
20	256QAM	50	50	16.70	16.60	16.58	16.72	16.62			
20	256QAM	100	0	16.74	16.64	16.75	16.66	16.76			
15	QPSK	1	0	21.44	21.38	21.34	21.42	21.41			
15	QPSK	1	37	21.32	21.37	21.41	21.37	21.43		23	0
15	QPSK	1	74	21.35	21.29	21.38	21.33	21.29			
15	QPSK	36	0	20.54	20.54	20.58	20.51	20.47			
15	QPSK	36	20	20.55	20.57	20.59	20.51	20.46		22	1
15	QPSK	36	39	19.26	19.51	19.56	19.45	19.29			
15	QPSK	75	0	20.48	20.58	20.60	20.53	20.47			
15	HQAM	1	0	20.37	20.49	20.42	20.36	20.48			
15	HQAM	1	37	20.47	20.55	20.54	20.61	20.59		22	1
15	HQAM	1	74	20.58	20.60	20.58	20.65	20.63			
15	HQAM	36	0	19.69	19.65	19.59	19.45	19.53			
15	HQAM	36	20	19.59	19.59	19.56	19.61	19.55		21	2
15	HQAM	36	39	19.35	19.28	19.31	19.26	19.30			
15	HQAM	75	0	19.45	19.53	19.44	19.50	19.47			
15	HQAM	1	0	18.45	18.49	18.50	18.45	18.53			
15	HQAM	1	37	19.38	19.42	19.40	19.33	19.36		21	2
15	HQAM	1	74	19.47	19.62	19.53	19.54	19.52			
15	HQAM	36	0	18.36	18.49	18.37	18.45	18.43			
15	HQAM	36	20	18.53	18.51	18.60	18.58	18.57		20	3
15	HQAM	36	39	18.60	18.61	18.58	18.59	18.61			
15	HQAM	75	0	18.59	18.50	18.58	18.65	18.58			
15	256QAM	1	0	16.47	16.59	16.59	16.49	16.53			
15	256QAM	1	37	16.66	16.61	16.64	16.52</				



Band 42 Part 27Q Ant 7 DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.86	22.70	22.73	24	0
20	QPSK	1	49	22.83	22.70	22.85		
20	QPSK	1	99	22.83	22.57	22.85		
20	QPSK	50	0	21.83	21.74	21.59		
20	QPSK	50	24	21.67	21.66	21.60	23	1
20	QPSK	50	50	21.58	21.57	21.45		
20	QPSK	100	0	21.84	21.73	21.63		
20	16QAM	1	0	21.37	21.47	21.44		
20	16QAM	1	49	21.43	21.54	21.64	23	1
20	16QAM	1	99	21.60	21.64	21.67		
20	16QAM	50	0	20.66	20.70	20.75		
20	16QAM	50	24	20.48	20.39	20.42	22	2
20	16QAM	50	50	20.54	20.47	20.48		
20	16QAM	100	0	20.45	20.57	20.58		
20	64QAM	1	0	20.60	20.64	20.72		
20	64QAM	1	49	20.52	20.42	20.58	22	2
20	64QAM	1	99	20.53	20.47	20.55		
20	64QAM	50	0	19.57	19.48	19.63		
20	64QAM	50	24	19.73	19.63	19.75	21	3
20	64QAM	50	50	19.71	19.71	19.61		
20	64QAM	100	0	19.55	19.55	19.55		
20	256QAM	1	0	17.64	17.57	17.73		
20	256QAM	1	49	17.71	17.66	17.80	19	5
20	256QAM	1	99	17.58	17.57	17.66		
20	256QAM	50	0	17.55	17.51	17.57		
20	256QAM	50	24	17.55	17.66	17.72	19	5
20	256QAM	50	50	17.45	17.48	17.52		
20	256QAM	100	0	17.67	17.75	17.57		
Channel				42950	42950	43050	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.51	22.65	22.52	24	0
15	QPSK	1	37	22.40	22.50	22.48		
15	QPSK	1	74	22.34	22.46	22.54		
15	QPSK	36	0	21.48	21.59	21.59		
15	QPSK	36	20	21.51	21.52	21.49	23	1
15	QPSK	36	39	21.48	21.36	21.32		
15	QPSK	75	0	21.58	21.59	21.45		
15	16QAM	1	0	21.28	21.31	21.38		
15	16QAM	1	37	21.44	21.31	21.51	23	1
15	16QAM	1	74	21.54	21.49	21.55		
15	16QAM	36	0	20.53	20.67	20.63		
15	16QAM	36	20	20.33	20.41	20.41	22	2
15	16QAM	36	39	20.49	20.41	20.34		
15	16QAM	75	0	20.46	20.43	20.47		
15	64QAM	1	0	20.80	20.49	20.54		
15	64QAM	1	37	20.39	20.34	20.34	22	2
15	64QAM	1	74	20.33	20.42	20.32		
15	64QAM	36	0	19.53	19.46	19.54		
15	64QAM	36	20	19.64	19.66	19.65	21	3
15	64QAM	36	39	19.66	19.53	19.51		
15	64QAM	75	0	19.45	19.38	19.38		
15	256QAM	1	0	17.67	17.58	17.64		
15	256QAM	1	37	17.67	17.65	17.49	19	5
15	256QAM	1	74	17.50	17.45	17.42		
15	256QAM	36	0	17.34	17.37	17.45		
15	256QAM	36	20	17.54	17.58	17.66	19	5
15	256QAM	36	39	17.37	17.41	17.55		
15	256QAM	75	0	17.46	17.62	17.54		
Channel				42140	42590	43030	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.54	22.71	22.57	24	0
10	QPSK	1	25	22.45	22.59	22.51		
10	QPSK	1	49	22.83	22.53	22.85		
10	QPSK	25	0	21.46	21.55	21.50	23	1
10	QPSK	25	25	21.37	21.38	21.32		
10	QPSK	50	0	21.55	21.56	21.43		
10	16QAM	1	0	21.27	21.31	21.38		
10	16QAM	1	25	21.31	21.44	21.41	23	1
10	16QAM	1	49	21.44	21.53	21.45		
10	16QAM	25	0	20.64	20.68	20.55		
10	16QAM	25	12	20.36	20.35	20.37	22	2
10	16QAM	25	25	20.36	20.48	20.29		
10	16QAM	50	0	20.39	20.47	20.54		
10	64QAM	1	0	20.64	20.48	20.50		
10	64QAM	1	25	20.36	20.40	20.44	22	2
10	64QAM	1	49	20.44	20.32	20.33		
10	64QAM	25	0	19.41	19.44	19.46		
10	64QAM	25	12	19.68	19.68	19.77	21	3
10	64QAM	25	25	19.76	19.65	19.63		
10	64QAM	50	0	19.46	19.39	19.44		
10	256QAM	1	0	17.88	17.53	17.89		
10	256QAM	1	25	17.61	17.50	17.53	19	5
10	256QAM	1	49	17.42	17.36	17.51		
10	256QAM	25	0	17.33	17.44	17.42		
10	256QAM	25	12	17.55	17.58	17.56	19	5
10	256QAM	25	25	17.36	17.51	17.54		
10	256QAM	50	0	17.48	17.55	17.56		
Channel				42116	42990	43068	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.86	22.81	22.54	24	0
5	QPSK	1	12	22.49	22.81	22.55		
5	QPSK	1	24	22.56	22.49	22.54		
5	QPSK	12	0	21.45	21.61	21.60		
5	QPSK	12	7	21.44	21.58	21.49	23	1
5	QPSK	12	13	21.36	21.43	21.44		
5	QPSK	25	0	21.52	21.55	21.52		
5	16QAM	1	0	21.23	21.44	21.46		
5	16QAM	1	12	21.28	21.38	21.48	23	1
5	16QAM	1	24	21.54	21.55	21.53		
5	16QAM	12	0	20.64	20.55	20.62		
5	16QAM	12	7	20.31	20.34	20.29	22	2
5	16QAM	12	13	20.40	20.40	20.38		
5	16QAM	25	0	20.40	20.52	20.47		
5	64QAM	1	0	20.57	20.54	20.52		
5	64QAM	1	12	20.34	20.40	20.41	22	2
5	64QAM	1	24	20.34	20.45	20.32		
5	64QAM	12	0	19.50	19.43	19.43		
5	64QAM	12	7	19.70	19.88	19.73	21	3
5	64QAM	12	13	19.75	19.51	19.47		
5	64QAM	25	0	19.49	19.46	19.39		
5	256QAM	1	0	17.63	17.52	17.62		
5	256QAM	1	12	17.54	17.49	17.51	19	5
5	256QAM	1	24	17.40	17.45	17.47		
5	256QAM	12	0	17.42	17.47	17.43		
5	256QAM	12	7	17.55	17.53	17.63	19	5
5	256QAM	12	13	17.41	17.43	17.45		
5	256QAM	25	0	17.42	17.59	17.59		



Reduced Power Mode for DSI7

		GSM850 Ant 0 DSI7							
GSM850 Ant 0	Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
		128	198	251		128	198	251	
	Frequency (MHz)	854.2	856.4	858.8		854.2	856.4	858.8	
	GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78	24.50
	GPRS 1 Tx slot	32.74	32.95	32.98	33.50	23.74	23.85	23.88	24.50
	GPRS 2 Tx slot	29.65	30.91	30.88	31.50	23.65	24.91	24.88	25.50
	GPRS 3 Tx slot	28.18	29.33	29.31	30.00	23.90	25.07	25.05	25.74
	GPRS 4 Tx slot	26.54	27.73	27.91	28.00	23.54	24.73	24.91	25.00
	EDGE 1 Tx slot	26.65	26.45	26.71	27.00	18.65	17.45	17.71	18.00
	EDGE 2 Tx slot	24.67	25.40	25.20	26.00	18.67	19.40	19.20	20.00
	EDGE 3 Tx slot	23.14	23.92	23.91	24.50	18.88	19.66	19.65	20.24
	EDGE 4 Tx slot	21.52	22.24	22.21	23.00	18.52	19.24	19.21	20.00

		WCDMA V Ant 0 DSI7			
Band	Tx Channel	WCDMA V Ant 0			Tune-up Limit (dBm)
		4152	4152	4253	
	Frequency (MHz)	4357	4407	4458	
	3GPP Rel 99 AMR 12.2kbps	22.53	22.62	22.56	24.00
	3GPP Rel 99 RMC 12.2kbps	22.25	22.25	22.25	24.00
	3GPP Rel 6 HSDPA Subsets-1	21.57	21.69	21.68	23.00
	3GPP Rel 6 HSDPA Subsets-2	21.61	21.64	21.62	23.00
	3GPP Rel 6 HSDPA Subsets-3	21.07	21.17	21.07	22.50
	3GPP Rel 6 HSDPA Subsets-4	21.00	21.15	21.15	22.50
	3GPP Rel 8 DC-HSDPA Subsets-1	21.53	21.63	21.64	23.00
	3GPP Rel 8 DC-HSDPA Subsets-2	21.61	21.71	21.57	23.00
	3GPP Rel 8 DC-HSDPA Subsets-3	21.03	21.11	21.09	22.50
	3GPP Rel 8 DC-HSDPA Subsets-4	21.05	21.09	21.12	22.50
	3GPP Rel 6 HSUPA Subsets-1	21.61	21.57	21.70	23.00
	3GPP Rel 6 HSUPA Subsets-2	19.54	19.68	19.65	21.00
	3GPP Rel 6 HSUPA Subsets-3	20.57	20.60	20.69	22.00
	3GPP Rel 6 HSUPA Subsets-4	19.54	19.67	19.60	21.00
	3GPP Rel 6 HSUPA Subsets-5	21.50	21.67	21.60	23.00



Band 5 Ant 0 DS17									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Tune-up limit (dBm)	MPR (dB)	
Channel				2000	2000	2000			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.60	22.63	22.61			
10	QPSK	1	25	22.46	22.59	22.46			
10	QPSK	1	49	22.56	22.45	22.57		24	0
10	QPSK	25	0	21.61	21.61	21.61			
10	QPSK	25	12	21.62	21.64	21.54			
10	QPSK	25	25	21.59	21.55	21.58		23	1
10	QPSK	50	0	21.61	21.65	21.60			
10	16QAM	1	0	21.59	21.85	21.50			
10	16QAM	1	25	21.58	21.53	21.80			
10	16QAM	1	49	21.61	21.61	21.58		23	1
10	16QAM	25	0	20.67	20.65	20.67			
10	16QAM	25	12	20.68	20.66	20.57			
10	16QAM	25	25	20.55	20.62	20.66		22	2
10	16QAM	50	0	20.80	20.63	20.63			
10	16QAM	1	0	20.63	20.61	20.68			
10	16QAM	1	25	20.60	20.57	20.59		22	2
10	16QAM	1	49	20.65	20.58	20.56			
10	16QAM	25	0	19.59	19.56	19.66			
10	16QAM	25	12	19.67	19.65	19.53			
10	16QAM	25	25	19.68	19.57	19.54		21	3
10	16QAM	50	0	19.68	19.57	19.54			
10	256QAM	1	0	17.62	17.70	17.65			
10	256QAM	1	25	17.63	17.67	17.67		19	5
10	256QAM	1	49	17.59	17.62	17.61			
10	256QAM	25	0	17.85	17.80	17.87			
10	256QAM	25	12	17.81	17.87	17.88			
10	256QAM	25	25	17.57	17.71	17.61		19	5
10	256QAM	50	0	17.80	17.55	17.65			
Channel				20425	20529	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				626.5	636.5	646.5			
5	QPSK	1	0	22.49	22.54	22.54			
5	QPSK	1	12	22.45	22.48	22.39		24	0
5	QPSK	1	24	22.40	22.35	22.42			
5	QPSK	12	0	21.43	21.66	21.63			
5	QPSK	12	7	21.57	21.54	21.44		23	1
5	QPSK	12	13	21.49	21.50	21.49			
5	QPSK	25	0	21.48	21.47	21.48			
5	16QAM	1	0	21.51	21.54	21.43			
5	16QAM	1	12	21.50	21.48	21.54		23	1
5	16QAM	1	24	21.46	21.50	21.41			
5	16QAM	12	0	20.61	20.62	20.44			
5	16QAM	12	7	20.55	20.48	20.53		22	2
5	16QAM	12	13	20.46	20.58	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	16QAM	1	0	20.45	20.57	20.63			
5	16QAM	1	12	20.47	20.48	20.55		22	2
5	16QAM	1	24	20.51	20.42	20.39			
5	16QAM	12	0	19.47	19.40	19.59			
5	16QAM	12	7	19.61	19.57	19.48			
5	16QAM	12	13	19.56	19.47	19.59		21	3
5	16QAM	25	0	19.62	19.49	19.47			
5	256QAM	1	0	17.59	17.64	17.41			
5	256QAM	1	12	17.56	17.49	17.54		19	5
5	256QAM	1	24	17.45	17.48	17.48			
5	256QAM	12	0	17.55	17.48	17.63			
5	256QAM	12	7	17.61	17.55	17.47		19	5
5	256QAM	12	13	17.44	17.57	17.56			
5	256QAM	25	0	17.48	17.41	17.58			
Channel				20115	20202	20292	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				653.5	663.5	673.5			
3	QPSK	1	0	22.57	22.47	22.51			
3	QPSK	1	8	22.41	22.44	22.31		24	0
3	QPSK	1	14	22.51	22.38	22.49			
3	QPSK	8	0	21.46	21.66	21.50			
3	QPSK	8	4	21.48	21.57	21.41		23	1
3	QPSK	8	8	21.56	21.48	21.44			
3	QPSK	15	0	21.53	21.59	21.47			
3	16QAM	1	0	21.49	21.58	21.35			
3	16QAM	1	8	21.52	21.46	21.49		23	1
3	16QAM	1	14	21.44	21.53	21.54			
3	16QAM	8	0	20.62	20.48	20.46			
3	16QAM	8	4	20.45	20.59	20.45		22	2
3	16QAM	8	7	20.46	20.54	20.59			
3	16QAM	15	0	20.51	20.61	20.59			
3	16QAM	1	0	20.50	20.56	20.59		22	2
3	16QAM	1	8	20.61	20.39	20.54			
3	16QAM	1	14	21.44	21.50	21.41			
3	16QAM	8	0	19.55	19.49	19.60			
3	16QAM	8	4	19.57	19.59	19.41		21	3
3	16QAM	8	7	19.50	19.52	19.48			
3	16QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.59	17.60	17.42			
3	256QAM	1	8	17.45	17.57	17.57		19	5
3	256QAM	1	14	17.43	17.55	17.46			
3	256QAM	8	0	17.54	17.51	17.49			
3	256QAM	8	4	17.61	17.55	17.46		19	5
3	256QAM	8	7	17.42	17.67	17.54			
3	256QAM	15	0	17.63	17.48	17.60			
Channel				20407	20502	20593	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.57	22.52	22.48			
1.4	QPSK	1	3	22.29	22.44	22.30		24	0
1.4	QPSK	1	5	22.53	22.34	22.55			
1.4	QPSK	3	0	22.44	22.51	22.48			
1.4	QPSK	3	1	22.57	22.50	22.43			
1.4	QPSK	3	3	22.50	22.50	22.57			
1.4	QPSK	6	0	21.48	21.51	21.55		23	1
1.4	16QAM	1	0	21.45	21.60	21.37			
1.4	16QAM	1	3	21.43	21.38	21.44			
1.4	16QAM	1	12	21.44	21.50	21.41		23	1
1.4	16QAM	3	0	21.44	21.53	21.42			
1.4	16QAM	3	1	21.51	21.52	21.46			
1.4	16QAM	3	3	21.48	21.61	21.45			
1.4	16QAM	6	0	20.46	20.47	20.50		22	2
1.4	16QAM	1	0	20.59	20.54	20.58			
1.4	16QAM	1	3	20.42	20.54	20.58		22	2
1.4	16QAM	1	5	20.57	20.48	20.45			
1.4	16QAM	3	0	20.52	20.52	20.45		22	2
1.4	16QAM	3	1	20.52	20.53	20.47			
1.4	16QAM	3	3	20.52	20.49	20.50		21	3
1.4	16QAM	6	0	19.51	19.51	19.42			
1.4	256QAM	1	0	17.57	17.55	17.39			
1.4	256QAM	1	3	17.46	17.61	17.62		19	5
1.4	256QAM	1	5	17.57	17.56	17.58			
1.4	256QAM	3	0	17.58	17.58	17.64			
1.4	256QAM	3	1	17.55	17.63	17.42			
1.4	256QAM	3	1	17.46	17.65	17.48		19	3.7
1.4	256QAM	6	0	17.44	17.53	17.62		19	5

Band 7 Ant 0 DS17									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (2000)	Power Middle Ch. / Freq. (2000)	Power High Ch. / Freq. (2000)	Tune-up limit (dBm)	MPR (dB)	
Channel				2000	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.47	21.54	21.48			
20	QPSK	1	49	21.37	21.52	21.51		22.7	0
20	QPSK	1	99	21.42	21.53	21.46			
20	QPSK	50	0	21.40	21.40	21.47			
20	QPSK	50	24	21.48	21.48	21.47		22.7	0
20	QPSK	50	50	21.38	21.46	21.38			
20	QPSK	100	0	21.41	21.51	21.49			
20	16QAM	1	0	21.48	21.51	21.48			
20	16QAM	1	49	21.44	21.51	21.51		22.7	0
20	16QAM	1	99	21.35	21.47	21.46			
20	16QAM	50	0	20.54	20.50	20.50			
20	16QAM	50	24	20.63	20.50	20.50		22	0.7
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	16QAM	1	0	20.60	20.56	20.57			
20	16QAM	1	49	20.55	20.44	20.49		22	0.7
20	16QAM	1	99	20.59	20.40	20.42			
20	16QAM	50	0	19.44	19.38	19.60			
20	16QAM	50	24	19.52	19.57	19.41		21	1.7
20	16QAM	50	50	19.54	19.54	19.54			
20	16QAM	100	0	19.57	19.44	19.47			
20	256QAM	1	0	17.44	17.67	17.40			
20	256QAM	1	49	17.56	17.55	17.57		19	3.7
20	256QAM	1	99	17.44	17.47	17.45			
20	256QAM	50	0	17.48	17.53	17.61			
20	256QAM	50	24	17.56	17.61	17.42			
20	256QAM	50	50	17.47	17.57	17.43		19	3.7
20	256QAM	100	0	17.54	17.44	17.63			
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2530	2562.5			
15	QPSK	1	0	21.38	21.34	21.34			
15	QPSK	1	24	21.37	21.34	21.34		22.7	0
15	QPSK	1	74	21.33	21.46	21.34			
15	QPSK	36	0	21.35	21.47	21.28			
15									



Band 13 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										
Frequency (MHz)										
10	QPSK	1	0	22.71	22.71					
10	QPSK	1	25	22.80	22.80			24	0	
10	QPSK	1	49	22.38	22.38					
10	QPSK	25	0	21.62	21.62					
10	QPSK	25	12	21.62	21.62			23	1	
10	QPSK	25	25	21.53	21.53					
10	QPSK	50	0	21.67	21.67					
10	16QAM	1	0	21.60	21.60					
10	16QAM	1	25	21.51	21.51			23	1	
10	16QAM	1	49	21.56	21.56					
10	16QAM	25	0	20.88	20.88					
10	16QAM	25	12	20.67	20.67			22	2	
10	16QAM	25	25	20.54	20.54					
10	16QAM	50	0	20.56	20.56					
10	16QAM	1	0	20.89	20.89					
10	16QAM	1	25	20.54	20.54			22	2	
10	16QAM	1	49	20.58	20.58					
10	16QAM	25	0	19.49	19.49					
10	16QAM	25	12	19.57	19.57			21	3	
10	16QAM	25	25	19.69	19.69					
10	16QAM	50	0	19.57	19.57					
10	256QAM	1	0	17.89	17.89					
10	256QAM	1	25	17.64	17.64			19	5	
10	256QAM	1	49	17.87	17.87					
10	256QAM	25	0	17.87	17.87					
10	256QAM	25	12	17.73	17.73			19	5	
10	256QAM	25	25	17.69	17.69					
10	256QAM	50	0	17.55	17.55					
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.63	22.53	22.44				
5	QPSK	1	12	22.27	22.52	22.28			24	0
5	QPSK	1	24	22.55	22.33	22.53				
5	QPSK	12	0	22.38	22.49	22.53				
5	QPSK	12	7	22.50	22.55	22.42			23	1
5	QPSK	12	13	22.42	22.53	22.81				
5	QPSK	25	0	21.42	21.58	21.47				
5	16QAM	1	0	21.50	21.55	21.29				
5	16QAM	1	12	21.41	21.38	21.44			23	1
5	16QAM	1	24	21.41	21.46	21.42				
5	16QAM	12	0	21.49	21.48	21.36				
5	16QAM	12	7	21.54	21.56	21.44			22	2
5	16QAM	12	13	21.43	21.60	21.50				
5	16QAM	25	0	20.50	20.41	20.52				
5	16QAM	25	12	20.60	20.56	20.68				
5	16QAM	25	25	20.47	20.55	20.49			22	2
5	16QAM	50	0	20.63	20.46	20.47				
5	16QAM	12	0	20.58	20.58	20.48				
5	16QAM	12	7	20.59	20.50	20.49			21	3
5	16QAM	12	13	20.48	20.52	20.48				
5	16QAM	25	0	19.50	19.56	19.45				
5	256QAM	1	0	17.57	17.57	17.44				
5	256QAM	1	12	17.40	17.62	17.70			19	5
5	256QAM	1	24	17.57	17.60	17.52				
5	256QAM	12	0	17.53	17.56	17.83				
5	256QAM	12	7	17.55	17.56	17.48			19	5
5	256QAM	12	13	17.53	17.61	17.53				
5	256QAM	25	0	17.42	17.47	17.83				

Band 17 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										
Frequency (MHz)										
10	QPSK	1	0	22.61	22.67	22.58				
10	QPSK	1	25	22.42	22.60	22.54		24	0	
10	QPSK	1	49	22.59	22.45	22.51				
10	QPSK	25	0	21.57	21.65	21.54				
10	QPSK	25	12	21.55	21.62	21.57			23	1
10	QPSK	25	25	21.59	21.59	21.59				
10	QPSK	50	0	21.61	21.63	21.59				
10	16QAM	1	0	21.54	21.67	21.48			23	1
10	16QAM	1	25	21.56	21.56	21.56				
10	16QAM	1	49	21.63	21.54	21.61				
10	16QAM	25	0	20.85	20.66	20.51				
10	16QAM	25	12	20.61	20.71	20.56			22	2
10	16QAM	25	25	20.55	20.83	20.67				
10	16QAM	50	0	20.60	20.62	20.66				
10	16QAM	1	0	20.67	20.56	20.65				
10	16QAM	1	25	20.57	20.58	20.54			22	2
10	16QAM	1	49	20.68	20.68	20.52				
10	16QAM	25	0	19.60	19.58	19.62				
10	16QAM	25	12	19.71	19.61	19.54			21	3
10	16QAM	25	25	19.86	19.55	19.71				
10	16QAM	50	0	19.75	19.53	19.50				
10	256QAM	1	0	17.70	17.67	17.58				
10	256QAM	1	25	17.59	17.63	17.72			19	5
10	256QAM	1	49	17.51	17.60	17.68				
10	256QAM	25	0	17.63	17.60	17.61				
10	256QAM	25	12	17.76	17.59	17.58			19	5
10	256QAM	25	25	17.68	17.72	17.63				
10	256QAM	50	0	17.63	17.58	17.70				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.58	22.47				
5	QPSK	1	12	22.42	22.47	22.42			24	0
5	QPSK	1	24	22.52	22.41	22.51				
5	QPSK	12	0	21.51	21.53	21.83				
5	QPSK	12	7	21.54	21.52	21.45			23	1
5	QPSK	12	13	21.55	21.41	21.55				
5	QPSK	25	0	21.51	21.60	21.46				
5	16QAM	1	0	21.41	21.56	21.43				
5	16QAM	1	12	21.49	21.38	21.57			23	1
5	16QAM	1	24	21.58	21.57	21.44				
5	16QAM	12	0	20.51	20.60	20.45				
5	16QAM	12	7	20.64	20.52	20.50			22	2
5	16QAM	12	13	20.47	20.45	20.50				
5	16QAM	25	0	20.47	20.51	20.51				
5	16QAM	25	12	20.53	20.54	20.51				
5	16QAM	25	25	20.46	20.47	20.46			22	2
5	16QAM	50	0	20.52	20.51	20.47				
5	16QAM	12	0	19.53	19.49	19.56				
5	16QAM	12	7	19.64	19.53	19.42			21	3
5	16QAM	12	13	19.53	19.54	19.62				
5	16QAM	25	0	19.55	19.48	19.44				
5	256QAM	1	0	17.63	17.66	17.40				
5	256QAM	1	12	17.53	17.63	17.59			19	5
5	256QAM	1	24	17.47	17.49	17.43				
5	256QAM	12	0	17.50	17.48	17.54				
5	256QAM	12	7	17.65	17.55	17.49			19	5
5	256QAM	12	13	17.40	17.66	17.45				
5	256QAM	25	0	17.47	17.44	17.52				

Band 26 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										
Frequency (MHz)										
15	QPSK	1	0	22.48	22.49	22.44				
15	QPSK	1	37	22.31	22.45	22.32		24	0	
15	QPSK	1	74	22.46	22.41	22.44				
15	QPSK	36	0	21.65	21.57	21.53				
15	QPSK	36	20	21.51	21.55	21.47			23	1
15	QPSK	36	39	21.51	21.55	21.52				
15	QPSK	75	0	21.54	21.56	21.54				
15	16QAM	1	0	21.46	21.48	21.38			23	1
15	16QAM	1	37	21.49	21.39	21.47				
15	16QAM	1	74	21.50	21.56	21.48				
15	16QAM	36	0	20.59	20.51	20.50				
15	16QAM	36	20	20.65	20.53	20.38			22	2
15	16QAM	36	39	20.51	20.48	20.58				
1										



Band 38 Ant 0 DS17

[BW]	Modulatio	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)
Channel								
				37650	38000	38150		
Frequency (MHz)								
20	QPSK	1	0	20.52	20.56	20.53		
20	QPSK	1	49	20.44	20.53	20.43	21.5	0
20	QPSK	1	99	20.44	20.53	20.43		
20	QPSK	50	0	20.49	20.53	20.51		
20	QPSK	50	24	20.42	20.50	20.41	21.5	0
20	QPSK	50	50	20.42	20.41	20.42		
20	QPSK	100	0	20.48	20.51	20.50		
20	16QAM	1	0	20.42	20.48	20.46		
20	16QAM	1	49	20.37	20.45	20.35	21.5	0
20	16QAM	1	99	20.48	20.48	20.47		
20	16QAM	50	0	20.43	20.53	20.43		
20	16QAM	50	24	20.38	20.42	20.39	21.5	0
20	16QAM	50	50	20.41	20.53	20.39		
20	16QAM	100	0	20.36	20.50	20.35		
20	16QAM	100	24	20.32	20.46	20.42	21.5	0
20	16QAM	100	50	20.45	20.44	20.38		
20	16QAM	1	99	20.45	20.46	20.46		
20	16QAM	50	0	19.47	19.46	19.48		
20	16QAM	50	24	19.48	19.43	19.48	21	0.5
20	16QAM	50	50	19.40	19.50	19.48		
20	16QAM	100	0	19.50	19.40	19.41		
20	16QAM	100	24	17.51	17.66	17.47	19	2.5
20	16QAM	100	50	17.56	17.54	17.55		
20	16QAM	1	99	17.46	17.50	17.48		
20	16QAM	50	0	17.48	17.49	17.54		
20	16QAM	50	24	17.60	17.63	17.40	19	2.5
20	16QAM	50	50	17.49	17.65	17.46		
20	16QAM	100	0	17.47	17.51	17.48		
20	16QAM	100	24	17.52	17.52	17.48	19	2.5
20	16QAM	100	50	17.52	17.52	17.48		
Channel								
				2577.5	2595	2612.5	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	0	20.38	20.40	20.34	21.5	0
15	QPSK	1	37	20.35	20.34	20.28		
15	QPSK	1	74	20.36	20.38	20.29		
15	QPSK	36	0	20.37	20.40	20.28	21.5	0
15	QPSK	36	20	20.38	20.35	20.37		
15	QPSK	36	39	20.38	20.48	20.29	21.5	0
15	QPSK	75	0	20.36	20.38	20.32		
15	16QAM	1	0	20.43	20.38	20.36		
15	16QAM	1	37	20.44	20.49	20.33	21.5	0
15	16QAM	1	74	20.32	20.42	20.32		
15	16QAM	36	0	20.33	20.39	20.33	21.5	0
15	16QAM	36	20	20.44	20.44	20.34		
15	16QAM	36	39	20.44	20.44	20.34	21.5	0
15	16QAM	75	0	20.35	20.40	20.32		
15	16QAM	1	0	20.33	20.49	20.34	21.5	0
15	16QAM	1	37	20.46	20.39	20.42		
15	16QAM	1	74	20.46	20.39	20.42	21.5	0
15	16QAM	36	0	19.41	19.40	19.54		
15	16QAM	36	20	19.47	19.47	19.28	21	0.5
15	16QAM	36	39	19.44	19.45	19.43		
15	16QAM	75	0	17.46	17.56	17.29	19	2.5
15	16QAM	1	0	17.44	17.56	17.29		
15	16QAM	1	37	17.45	17.54	17.43	19	2.5
15	16QAM	1	74	17.38	17.39	17.45		
15	16QAM	36	0	17.40	17.38	17.42	19	2.5
15	16QAM	36	20	17.45	17.50	17.39		
15	16QAM	36	39	17.38	17.58	17.34	19	2.5
15	16QAM	75	0	17.38	17.28	17.37	19	2.5
Channel								
				3760	3800	3820	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	0	20.37	20.35	20.43	21.5	0
10	QPSK	1	25	20.40	20.48	20.40		
10	QPSK	1	49	20.46	20.46	20.33	21.5	0
10	QPSK	25	0	20.41	20.41	20.41		
10	QPSK	25	25	20.38	20.44	20.39	21.5	0
10	QPSK	25	25	20.35	20.46	20.41		
10	QPSK	50	0	20.49	20.35	20.41		
10	16QAM	1	0	20.32	20.44	20.29	21.5	0
10	16QAM	1	49	20.44	20.44	20.42		
10	16QAM	25	0	20.37	20.47	20.44		
10	16QAM	25	12	20.36	20.35	20.36	21.5	0
10	16QAM	25	25	20.39	20.37	20.40		
10	16QAM	50	0	20.44	20.44	20.39		
10	16QAM	1	0	20.40	20.50	20.43	21.5	0
10	16QAM	1	25	20.43	20.39	20.37		
10	16QAM	1	49	20.44	20.44	20.40	21.5	0
10	16QAM	25	0	20.37	20.47	20.44		
10	16QAM	25	12	20.36	20.40	20.41	21.5	0
10	16QAM	25	25	20.38	20.36	20.36		
10	16QAM	50	0	19.48	19.33	19.31		
10	16QAM	50	12	19.48	19.45	19.40	21	0.5
10	16QAM	50	25	19.42	19.52	19.28		
10	16QAM	25	0	17.45	17.50	17.55	19	2.5
10	16QAM	25	12	17.50	17.37	17.46		
10	16QAM	25	25	17.39	17.39	17.47	19	2.5
10	16QAM	50	0	17.37	17.31	17.43		
Channel								
				3777.5	3800	3822.5	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	20.42	20.43	20.38	21.5	0
5	QPSK	1	12	20.40	20.40	20.43		
5	QPSK	1	24	20.31	20.49	20.41	21.5	0
5	QPSK	12	0	20.45	20.44	20.41		
5	QPSK	12	7	20.37	20.40	20.43	21.5	0
5	QPSK	12	13	20.40	20.48	20.39		
5	QPSK	25	0	20.42	20.44	20.38		
5	16QAM	1	0	20.40	20.38	20.43	21.5	0
5	16QAM	1	12	20.37	20.49	20.33		
5	16QAM	1	24	20.44	20.41	20.31	21.5	0
5	16QAM	12	0	20.44	20.43	20.35		
5	16QAM	12	7	20.46	20.45	20.34	21.5	0
5	16QAM	12	13	20.47	20.43	20.39		
5	16QAM	25	0	20.38	20.49	20.43	21.5	0
5	16QAM	25	12	20.38	20.44	20.43		
5	16QAM	25	25	20.37	20.47	20.43	21.5	0
5	16QAM	50	0	19.41	19.37	19.41		
5	16QAM	50	12	19.44	19.43	19.25	21	0.5
5	16QAM	50	25	19.40	19.42	19.37		
5	16QAM	25	0	17.43	17.44	17.31	19	2.5
5	16QAM	25	12	17.45	17.40	17.34		
5	16QAM	25	25	17.37	17.38	17.50	19	2.5
5	16QAM	50	0	17.42	17.40	17.39		
5	16QAM	50	12	17.44	17.41	17.31	19	2.5
5	16QAM	50	25	17.45	17.45	17.36		
5	16QAM	12	0	17.47	17.50	17.42	19	2.5
5	16QAM	12	7	17.48	17.52	17.45		
5	16QAM	12	13	17.40	17.43	17.56	17.44	17.38
5	16QAM	25	0	17.47	17.37	17.47	19	2.5

Band 41 Ant 0 DS17

[BW]	Modulatio	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)
Channel								
				39750	40186	40620	41055	41490
Frequency (MHz)								
20	QPSK	1	0	20.56	20.57	20.58	20.56	20.55
20	QPSK	1	49	20.56	20.58	20.51	20.56	20.50
20	QPSK	1	99	20.42	20.48	20.51	20.51	20.53
20	QPSK	50	0	20.49	20.52	20.56	20.52	20.53
20	QPSK	50	24	20.51	20.51	20.47	20.45	20.48
20	QPSK	50	50	20.49	20.49	20.46	20.51	20.54
20	QPSK	100	0	20.49	20.48	20.52	20.50	20.51
20	16QAM	1	0	20.47	20.46	20.50	20.52	20.51
20	16QAM	1	49	20.44	20.48	20.46	20.52	20.42
20	16QAM	1	99	20.51	20.45	20.47	20.48	20.51
20	16QAM	50	0	20.54	20.55	20.41	20.54	20.48
20	16QAM	50	24	20.52	20.48	20.43	20.48	20.52
20	16QAM	50	50	20.46	20.54	20.41	20.45	20.54
20	16QAM	100	0	20.54	20.52	20.43	20.45	20.50
20	16QAM	100	24	20.49	20.46	20.45	20.48	20.58
20	16QAM	100	50	20.55	20.53	20.47	20.56	20.44
20	16QAM	50	0	19.45	19.47	19.51	19.58	19.42
20	16QAM	50	24	19.51	19.50	1		



GSM850 Ant 1 DS17									
GSM850 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	152.2	158.4	164.6	122.2	128.4	134.6	122.2	128.4	
Frequency (MHz)	852.2	858.4	864.6	852.2	858.4	864.6	852.2	858.4	
GSM 1 Tx slot	31.88	32.75	32.98	33.50	22.88	23.75	23.98	24.50	
GPRS 1 Tx slot	31.96	32.65	32.96	33.50	22.96	23.65	23.96	24.50	
GPRS 2 Tx slots	29.67	30.56	30.75	31.50	23.67	24.56	24.50	25.50	
GPRS 3 Tx slots	28.12	29.07	29.88	30.00	23.88	24.71	24.62	25.14	
GPRS 4 Tx slots	25.52	27.16	27.47	27.50	22.52	24.18	24.47	24.50	
EDGE 1 Tx slot	25.81	26.52	26.54	27.00	18.81	17.52	17.54	18.00	
EDGE 2 Tx slots	23.47	23.27	23.25	23.00	18.47	19.27	19.32	20.00	
EDGE 3 Tx slots	22.91	23.84	23.76	24.50	18.65	19.58	19.50	20.24	
EDGE 4 Tx slots	21.23	22.16	22.18	23.00	18.23	19.16	19.18	20.00	

GSM1900 Ant 1 DS17									
GSM1900 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	512	661	810	512	661	810	512	661	
Frequency (MHz)	1852.2	1858	1863.8	1852.2	1858	1863.8	1852.2	1858	
GSM 1 Tx slot	27.01	27.75	27.81	28.80	18.01	18.75	18.81	19.80	
GPRS 1 Tx slot	28.97	27.85	27.83	28.80	17.97	18.85	18.83	19.80	
GPRS 2 Tx slots	24.04	25.33	25.31	25.80	18.04	19.33	19.31	19.80	
GPRS 3 Tx slots	22.43	23.43	23.38	24.10	18.17	19.17	19.10	19.84	
GPRS 4 Tx slots	21.07	22.08	22.50	22.80	18.07	19.08	19.50	19.80	
EDGE 1 Tx slot	22.55	23.78	23.77	24.50	13.55	14.78	14.77	15.50	
EDGE 2 Tx slots	21.68	22.65	22.78	23.50	15.68	16.65	16.78	17.50	
EDGE 3 Tx slots	20.05	21.05	21.14	22.00	15.75	16.75	16.88	17.74	
EDGE 4 Tx slots	18.48	19.53	19.55	20.00	15.48	16.53	16.55	17.00	

WCDMA II Ant 1 DS17										WCDMA IV Ant 1 DS17			WCDMA V Ant 1 DS17		
Band	WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1						
	9262	9400	9538		1312	1413	1513		4132	4182	4233				
TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233						
RX Channel	9602	9800	9938	1537	1638	1738	4357	4407	4458						
Frequency (MHz)	1852.4	1860	1867.6	1712.4	1720.5	1728.5	326.4	334.4	342.6						
3GPP Ref #9	AMR 12.2Kbps	17.13	17.22	17.15	18.20	17.81	17.83	17.81	18.90	22.51	22.60	22.62	23.50		
3GPP Ref #9	RMC 12.2Kbps	17.19	17.23	17.22	18.20	17.87	17.91	17.90	18.90	22.64	22.71	22.65	23.50		
3GPP Ref #6	HSDPA Subtest-1	18.41	18.31	18.38	17.28	17.08	16.95	17.08	17.80	21.57	21.65	21.63	22.50		
3GPP Ref #6	HSDPA Subtest-2	16.29	16.27	16.35	17.20	16.93	16.89	16.96	17.80	21.62	21.60	21.67	22.50		
3GPP Ref #6	HSDPA Subtest-3	15.69	15.83	15.87	16.70	16.31	16.43	16.45	17.40	21.09	21.15	21.04	22.00		
3GPP Ref #6	HSDPA Subtest-4	15.66	15.87	15.86	16.70	16.31	16.46	16.47	17.40	21.00	21.19	21.09	22.00		
3GPP Ref #8	DC-HSDPA Subtest-1	16.33	16.36	16.35	17.25	16.81	16.91	16.92	17.80	21.59	21.69	21.66	22.50		
3GPP Ref #8	DC-HSDPA Subtest-2	16.35	16.46	16.11	17.20	16.91	17.10	16.83	17.80	21.66	21.73	21.51	22.50		
3GPP Ref #8	DC-HSDPA Subtest-3	15.83	15.69	15.72	16.70	16.44	16.27	16.41	17.40	20.97	21.15	21.15	22.00		
3GPP Ref #8	DC-HSDPA Subtest-4	15.66	15.80	15.80	16.70	16.32	16.38	16.38	17.40	21.12	21.16	21.06	22.00		
3GPP Ref #6	HSUPA Subtest-1	16.41	16.35	16.34	17.20	16.95	16.84	17.02	17.80	21.53	21.53	21.44	22.50		
3GPP Ref #6	HSUPA Subtest-2	14.13	14.45	14.43	15.20	14.72	14.92	15.01	15.90	19.67	19.66	19.68	20.50		
3GPP Ref #6	HSUPA Subtest-3	15.26	15.32	15.36	16.20	15.76	15.86	15.94	16.90	20.58	20.62	20.77	21.50		
3GPP Ref #6	HSUPA Subtest-4	14.20	14.30	14.29	15.20	14.80	14.92	14.93	15.90	19.65	19.65	19.68	20.50		
3GPP Ref #6	HSUPA Subtest-5	16.19	16.29	16.29	17.20	16.79	16.85	17.02	17.80	21.56	21.69	21.66	22.50		



Band 2 Ant 1 DS17										
BW (MHz)	Modulation	RB Spacing	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	Turn-off (dB)	Antenna	Notes
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.74	16.15	16.11				
20	QPSK	1	49	16.76	16.05	16.03	17.5	0		
20	QPSK	50	0	16.08	16.13	16.05				
20	QPSK	50	24	16.08	16.12	16.04				
20	QPSK	50	50	16.09	16.05	16.10	17.5	0		
20	QPSK	100	0	16.08	16.11	16.09				
20	HEGAM	1	0	15.97	15.99	15.97				
20	HEGAM	1	49	15.97	15.99	15.96	17.5	0		
20	HEGAM	1	99	16.01	16.04	16.04				
20	HEGAM	50	0	16.02	16.00	16.11				
20	HEGAM	50	24	16.10	16.05	16.02				
20	HEGAM	50	50	16.09	16.07	16.06	17.5	0		
20	HEGAM	100	0	16.09	16.07	16.06				
20	HEGAM	100	0	15.98	16.01	16.06				
20	HEGAM	1	49	16.07	16.05	16.02	17.5	0		
20	HEGAM	50	0	16.06	16.03	16.04				
20	HEGAM	50	24	16.02	16.10	16.09				
20	HEGAM	50	50	16.09	16.07	16.07	17.5	0		
20	HEGAM	100	0	15.97	16.06	16.09				
20	HEGAM	100	0	15.97	16.05	16.09				
20	HEGAM	100	0	15.99	16.01	16.06				
20	HEGAM	1	49	15.97	16.06	16.07	17.5	0		
20	HEGAM	1	99	16.06	16.06	16.08				
20	HEGAM	50	0	16.09	16.05	16.09				
20	HEGAM	50	24	16.09	16.05	16.09				
20	HEGAM	50	50	16.07	16.07	16.09	17.5	0		
20	HEGAM	100	0	16.07	16.06	16.04				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.88	16.01	16.06				
15	QPSK	1	49	15.84	16.03	16.09	17.5	0		
15	QPSK	1	99	15.86	16.00	16.09				
15	QPSK	36	0	15.88	15.88	15.88				
15	QPSK	36	18	15.84	15.91	15.87				
15	QPSK	36	36	15.86	15.88	15.88	17.5	0		
15	HEGAM	1	0	15.91	15.94	15.94				
15	HEGAM	1	49	15.96	15.99	15.98	17.5	0		
15	HEGAM	1	99	15.96	15.99	15.98				
15	HEGAM	36	0	15.97	15.99	15.94				
15	HEGAM	36	18	15.99	16.01	16.02				
15	HEGAM	36	36	15.98	16.00	15.98	17.5	0		
15	HEGAM	75	0	15.98	16.00	15.98				
15	HEGAM	75	0	15.92	15.90	15.94				
15	HEGAM	75	0	15.99	16.01	16.02	17.5	0		
15	HEGAM	75	0	15.99	16.01	16.02				
15	HEGAM	1	49	15.93	15.91	15.85				
15	HEGAM	36	0	15.95	15.95	15.88				
15	HEGAM	36	18	15.93	15.92	15.87				
15	HEGAM	36	36	15.97	15.92	16.00	17.5	0		
15	HEGAM	75	0	15.97	16.00	15.97				
15	HEGAM	75	0	15.97	16.00	15.95				
15	HEGAM	1	49	15.96	15.98	15.96	17.5	0		
15	HEGAM	36	0	15.90	16.03	16.04				
15	HEGAM	36	18	15.95	15.87	15.94				
15	HEGAM	36	36	15.95	15.87	15.94	17.5	0		
15	HEGAM	75	0	15.95	15.98	15.92				
15	HEGAM	75	0	15.90	15.95	15.92				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.86	15.90	15.95				
10	QPSK	1	25	15.86	15.95	15.93	17.5	0		
10	QPSK	1	49	15.91	15.95	15.91				
10	QPSK	12	0	15.86	15.92	15.96				
10	QPSK	25	12	15.88	16.02	16.02	17.5	0		
10	QPSK	25	25	15.93	16.00	16.04				
10	HEGAM	1	0	15.97	15.98	15.92				
10	HEGAM	1	25	15.96	15.88	15.90	17.5	0		
10	HEGAM	1	49	15.96	15.98	15.90				
10	HEGAM	12	0	15.94	15.95	15.92				
10	HEGAM	12	12	15.90	15.88	15.93	17.5	0		
10	HEGAM	12	25	15.99	16.00	16.03				
10	HEGAM	25	0	15.93	15.89	15.87				
10	HEGAM	25	12	15.98	15.93	15.98	17.5	0		
10	HEGAM	25	25	15.96	15.93	15.98				
10	HEGAM	50	0	15.93	15.94	15.93				
10	HEGAM	50	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	50	12	15.90	15.95	15.90				
10	HEGAM	50	12	15.90	15.92	15.93	17.5	0		
10	HEGAM	50	25	15.96	15.93	15.98				
10	HEGAM	100	0	15.93	15.94	15.93				
10	HEGAM	100	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	100	0	15.93	15.94	15.93				
10	HEGAM	100	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	1	49	15.96	15.98	15.95				
10	HEGAM	12	0	15.92	15.92	15.92				
10	HEGAM	12	12	15.90	15.92	15.93	17.5	0		
10	HEGAM	12	25	15.99	16.00	16.03				
10	HEGAM	25	0	15.93	15.89	15.87				
10	HEGAM	25	12	15.98	15.93	15.98	17.5	0		
10	HEGAM	25	25	15.96	15.93	15.98				
10	HEGAM	50	0	15.93	15.94	15.93				
10	HEGAM	50	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	50	12	15.90	15.95	15.90				
10	HEGAM	50	12	15.90	15.92	15.93	17.5	0		
10	HEGAM	50	25	15.96	15.93	15.98				
10	HEGAM	100	0	15.93	15.94	15.93				
10	HEGAM	100	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	100	0	15.93	15.94	15.93				
10	HEGAM	100	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	1	49	15.96	15.98	15.95				
10	HEGAM	12	0	15.92	15.92	15.92				
10	HEGAM	12	12	15.90	15.92	15.93	17.5	0		
10	HEGAM	12	25	15.99	16.00	16.03				
10	HEGAM	25	0	15.93	15.89	15.87				
10	HEGAM	25	12	15.98	15.93	15.98	17.5	0		
10	HEGAM	25	25	15.96	15.93	15.98				
10	HEGAM	50	0	15.93	15.94	15.93				
10	HEGAM	50	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	50	12	15.90	15.95	15.90				
10	HEGAM	50	12	15.90	15.92	15.93	17.5	0		
10	HEGAM	50	25	15.96	15.93	15.98				
10	HEGAM	100	0	15.93	15.94	15.93				
10	HEGAM	100	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	100	0	15.93	15.94	15.93				
10	HEGAM	100	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	1	49	15.96	15.98	15.95				
10	HEGAM	12	0	15.92	15.92	15.92				
10	HEGAM	12	12	15.90	15.92	15.93	17.5	0		
10	HEGAM	12	25	15.99	16.00	16.03				
10	HEGAM	25	0	15.93	15.89	15.87				
10	HEGAM	25	12	15.98	15.93	15.98	17.5	0		
10	HEGAM	25	25	15.96	15.93	15.98				
10	HEGAM	50	0	15.93	15.94	15.93				
10	HEGAM	50	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	50	12	15.90	15.95	15.90				
10	HEGAM	50	12	15.90	15.92	15.93	17.5	0		
10	HEGAM	50	25	15.96	15.93	15.98				
10	HEGAM	100	0	15.93	15.94	15.93				
10	HEGAM	100	0	15.96	15.98	15.95	17.5	0		
10	HEGAM	100	0	15.93	15.94	15.93				
10	HEGAM	100	0	15.96	15.98	15.95	17.5	0		



Band 12 Ant 1 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.50	22.48				
10	QPSK	1	25	22.31	22.33	22.40	24	0		
10	QPSK	1	49	22.42	22.31	22.40				
10	QPSK	25	0	21.42	21.56	21.55				
10	QPSK	25	12	21.48	21.52	21.41	23	1		
10	QPSK	25	25	21.43	21.33	21.38				
10	QPSK	50	0	21.48	21.53	21.50				
10	16QAM	1	0	21.55	21.42	21.53	16QAM			
10	16QAM	1	25	21.38	21.45	21.39	23	1		
10	16QAM	1	49	21.47	21.43	21.46				
10	16QAM	25	0	20.59	20.39	20.30	16QAM			
10	16QAM	25	12	20.59	20.58	20.31	22	2		
10	16QAM	25	25	20.42	20.44	20.57				
10	16QAM	50	0	20.42	20.55	20.57				
10	16QAM	1	0	20.42	20.34	20.40				
10	16QAM	1	25	20.45	20.42	20.26	22	2		
10	16QAM	1	49	20.49	20.45	20.45				
10	16QAM	25	0	19.41	19.43	19.54				
10	16QAM	25	12	19.56	19.42	19.27	21	3		
10	16QAM	25	25	19.59	19.35	19.52				
10	16QAM	50	0	19.47	19.43	19.35				
10	16QAM	1	0	17.62	17.51	17.51				
10	256QAM	1	25	17.43	17.50	17.61	19	5		
10	256QAM	1	49	17.45	17.37	17.44				
10	256QAM	25	0	17.42	17.52	17.54				
10	256QAM	25	12	17.61	17.50	17.52	19	5		
10	256QAM	25	25	17.38	17.57	17.49				
10	256QAM	50	0	17.42	17.43	17.43				
Channel										
Frequency (MHz)										
9	QPSK	1	0	22.42	22.41	22.27				
9	QPSK	1	24	22.41	22.50	22.43	24	0		
9	QPSK	1	24	22.41	22.50	22.37				
9	QPSK	12	0	21.38	21.58	21.45				
9	QPSK	12	7	21.41	21.52	21.35	23	1		
9	QPSK	12	13	21.41	21.49	21.32				
9	QPSK	25	0	21.46	21.52	21.47				
9	16QAM	1	0	21.51	21.48	21.44	23	1		
9	16QAM	1	12	21.30	21.37	21.42				
9	16QAM	1	25	21.41	21.36	21.42	23	1		
9	16QAM	12	0	20.51	20.31	20.30	22	2		
9	16QAM	12	7	20.53	20.40	20.31				
9	16QAM	12	13	20.52	20.49	20.48				
9	16QAM	25	0	20.42	20.57	20.45				
9	16QAM	1	0	20.39	20.39	20.30	22	2		
9	16QAM	1	12	20.42	20.49	20.28				
9	16QAM	1	24	20.45	20.47	20.30				
9	16QAM	12	0	19.42	19.44	19.49	21	3		
9	16QAM	12	7	19.45	19.36	19.33				
9	16QAM	12	13	19.43	19.36	19.57				
9	16QAM	25	0	19.48	19.35	19.25				
9	256QAM	1	0	17.59	17.51	17.51	19	5		
9	256QAM	1	12	17.59	17.48	17.55				
9	256QAM	1	24	17.34	17.33	17.37				
9	256QAM	12	0	17.46	17.36	17.44	19	5		
9	256QAM	12	7	17.46	17.37	17.41				
9	256QAM	12	13	17.36	17.41	17.39				
9	256QAM	25	0	17.41	17.33	17.47				
Channel										
Frequency (MHz)										
8	QPSK	1	0	22.45	22.41	22.27				
8	QPSK	1	8	22.28	22.38	22.43	24	0		
8	QPSK	1	14	22.46	22.31	22.31				
8	QPSK	8	0	21.46	21.56	21.47				
8	QPSK	8	4	21.39	21.51	21.34	23	1		
8	QPSK	8	7	21.49	21.35	21.48				
8	16QAM	1	0	21.55	21.45	21.51	23	1		
8	16QAM	1	8	21.34	21.44	21.41				
8	16QAM	1	14	21.35	21.45	21.41				
8	16QAM	8	0	20.53	20.37	20.30	22	2		
8	16QAM	8	4	20.36	20.47	20.28				
8	16QAM	8	7	20.32	20.30	20.46				
8	16QAM	16	0	20.41	20.46	20.42				
8	16QAM	1	0	20.42	20.42	20.43	22	2		
8	16QAM	1	8	20.33	20.45	20.30				
8	16QAM	1	14	20.45	20.50	20.34				
8	16QAM	8	0	19.43	19.44	19.35	21	3		
8	16QAM	8	4	19.50	19.38	19.35				
8	16QAM	8	7	19.49	19.31	19.49				
8	16QAM	16	0	19.54	19.40	19.20				
8	256QAM	1	0	17.53	17.45	17.34	19	5		
8	256QAM	1	8	17.39	17.51	17.48				
8	256QAM	1	14	17.34	17.34	17.45				
8	256QAM	8	0	17.29	17.41	17.44	19	5		
8	256QAM	8	7	17.47	17.47	17.52				
8	256QAM	16	0	17.41	17.30	17.46				
Channel										
Frequency (MHz)										
14	QPSK	1	0	22.45	22.52	22.45				
14	QPSK	1	3	22.26	22.35	22.14	24	0		
14	QPSK	1	5	22.42	22.26	22.39				
14	QPSK	3	0	22.27	22.34	22.44				
14	QPSK	3	1	22.41	22.33	22.32				
14	QPSK	3	3	22.47	22.37	22.43	23	1		
14	16QAM	1	0	21.36	21.36	21.37				
14	16QAM	1	0	21.42	21.48	21.23				
14	16QAM	1	3	21.39	21.31	21.27	23	1		
14	16QAM	1	5	21.27	21.38	21.36				
14	16QAM	3	0	21.31	21.48	21.28				
14	16QAM	3	1	21.45	21.47	21.28				
14	16QAM	3	3	21.38	21.48	21.41				
14	16QAM	6	0	20.33	20.40	20.37	22	2		
14	16QAM	1	0	20.55	20.43	20.50				
14	16QAM	3	0	20.37	20.38	20.38				
14	16QAM	1	5	20.41	20.40	20.39	22	2		
14	16QAM	3	0	20.40	20.37	20.40				
14	16QAM	3	1	20.58	20.36	20.32				
14	16QAM	3	3	20.47	20.32	20.42	21	3		
14	16QAM	6	0	19.46	19.33	19.34				
14	256QAM	1	0	17.40	17.51	17.26	19	5		
14	256QAM	1	3	17.42	17.51	17.52				
14	256QAM	3	1	17.50	17.45	17.25				
14	256QAM	6	0	17.42	17.57	17.26	19	5		
14	256QAM	6	0	17.59	17.36	17.56				

Band 13 Ant 1 DS17 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.48	22.48				
10	16QAM	1	25	22.48	22.48	22.48	24	0		
10	16QAM	1	49	22.32	22.32	22.32				
10	16QAM	25	0	21.54	21.54	21.54				
10	16QAM	25	12	21.48	21.48	21.48	23	1		
10	16QAM	25	25	21.32	21.32	21.32				
10	16QAM	50	0	21.51	21.51	21.51				
10	16QAM	1	0	21.47	21.47	21.47	23	1		
10	16QAM	1	25	21.45	21.45	21.45				
10	16QAM	1	49	21.39	21.39	21.39				
10	16QAM	25	12	20.51	20.51	20.51	22	2		
10	16QAM	25	25	20.45	20.45	20.45				
10	16QAM	50	0	20.58	20.58	20.58				
10	16QAM	1	0	20.30	20.30	20.30				
10	16QAM	1	25	20.46	20.46	20.46	22	2		
10	16QAM	1	49	20.41	20.41	20.41				
10	16QAM	25	0	19.47	19.47	19.47				
10	16QAM	25	12	19.36	19.36	19.				



Band 25 Ant 1 DS17										
BW (MHz)	Modulat (MHz)	RB Size	RB Offset	Power Low Ch./Freq.	Power Mediu Ch./Freq.	Power High Ch./Freq.	Turnup (dB)	APR (dB)		
Channel										
Frequency (MHz)										
20	OPSR	1	0	16.15	16.17	16.11				
20	OPSR	1	96	16.06	16.01	16.06	17.5	0		
20	OPSR	50	0	16.12	16.15	16.13				
20	OPSR	50	24	16.05	16.10	16.05	17.5	0		
20	OPSR	50	50	16.03	15.98	16.06				
20	OPSR	100	0	16.08	16.14	16.08				
20	HQAM	1	0	16.03	16.01	16.05	17.5	0		
20	HQAM	1	49	15.98	16.00	16.03				
20	HQAM	1	99	16.06	16.07	16.08				
20	HQAM	50	0	16.00	16.02	16.11	17.5	0		
20	HQAM	50	24	15.97	15.99	16.07				
20	HQAM	50	50	16.10	16.04	16.06				
20	HQAM	100	0	16.02	16.09	15.97				
20	HQAM	1	0	16.04	16.11	16.08	17.5	0		
20	HQAM	1	49	15.98	16.05	16.06	17.5	0		
20	HQAM	50	0	16.02	16.09	16.06				
20	HQAM	50	24	16.05	16.01	16.05	17.5	0		
20	HQAM	50	50	16.00	16.00	16.01				
20	HQAM	100	0	16.05	16.05	16.10				
20	HQAM	1	49	16.06	16.04	16.08	17.5	0		
20	HQAM	1	99	16.04	16.03	16.07				
20	HQAM	50	0	16.02	16.09	16.06				
20	HQAM	50	24	15.97	15.98	16.05	17.5	0		
20	HQAM	50	50	16.03	16.04	16.04				
20	HQAM	100	0	16.00	16.04	16.04				
Channel										
Frequency (MHz)										
15	OPSR	1	0	15.93	15.91	15.98	17.5	0		
15	OPSR	1	97	15.99	15.84	16.00				
15	OPSR	1	74	15.92	15.92	15.94				
15	OPSR	36	0	15.99	15.89	15.94				
15	OPSR	36	20	15.91	15.86	15.92	17.5	0		
15	OPSR	36	39	15.99	16.01	15.95				
15	HQAM	1	0	15.87	15.91	15.96	17.5	0		
15	HQAM	1	74	15.97	15.90	15.90				
15	HQAM	1	37	15.90	15.88	15.90				
15	HQAM	1	96	16.01	16.00	16.06	17.5	0		
15	HQAM	36	0	15.95	16.00	16.00				
15	HQAM	36	20	15.91	15.95	15.98	17.5	0		
15	HQAM	36	39	15.91	15.95	15.96				
15	HQAM	50	0	15.84	15.95	15.87				
15	HQAM	1	0	15.94	15.87	15.97	17.5	0		
15	HQAM	1	97	15.91	15.95	15.96				
15	HQAM	1	74	15.94	15.93	15.95				
15	HQAM	36	0	15.86	15.89	15.88	17.5	0		
15	HQAM	36	20	15.92	15.87	15.94				
15	HQAM	36	39	15.95	16.01	15.98				
15	HQAM	50	0	15.86	15.91	15.87				
15	HQAM	50	24	15.93	15.88	15.91	17.5	0		
15	HQAM	50	50	15.96	15.89	15.99				
15	HQAM	100	0	15.92	15.90	15.94				
15	HQAM	1	0	15.98	15.90	15.99	17.5	0		
15	HQAM	1	74	15.98	15.96	15.99				
15	HQAM	1	37	15.98	15.98	15.99				
15	HQAM	1	96	16.01	16.00	16.06	17.5	0		
15	HQAM	36	0	15.96	15.98	15.98				
15	HQAM	36	20	15.96	15.98	15.98				
15	HQAM	36	39	15.96	15.98	15.98				
15	HQAM	50	0	15.92	15.97	15.93	17.5	0		
15	HQAM	50	24	15.93	15.92	15.98				
15	HQAM	50	50	15.96	15.92	15.99				
15	HQAM	100	0	15.95	15.95	15.98				
Channel										
Frequency (MHz)										
10	OPSR	1	0	10.82	10.81	10.81				
10	OPSR	1	25	10.86	10.81	10.82	17.5	0		
10	OPSR	1	49	10.89	10.87	10.84				
10	OPSR	25	0	10.85	10.81	10.87				
10	OPSR	25	12	10.86	10.88	10.87	17.5	0		
10	OPSR	25	25	10.89	10.81	10.86				
10	HQAM	1	0	10.82	10.81	10.81				
10	HQAM	1	25	10.84	10.89	10.82	17.5	0		
10	HQAM	1	49	10.86	10.86	10.86				
10	HQAM	25	0	10.80	10.83	10.82	17.5	0		
10	HQAM	25	12	10.80	10.83	10.82				
10	HQAM	25	25	10.86	10.82	10.89				
10	HQAM	1	0	10.86	10.87	10.81	17.5	0		
10	HQAM	1	25	10.85	10.88	10.84				
10	HQAM	1	49	10.80	10.89	10.83				
10	HQAM	25	0	10.86	10.84	10.86	17.5	0		
10	HQAM	25	12	10.84	10.89	10.89				
10	HQAM	25	25	10.84	10.87	10.87				
10	HQAM	50	0	10.84	10.89	10.89	17.5	0		
10	HQAM	1	0	10.84	10.89	10.89				
10	HQAM	1	25	10.86	10.86	10.87				
10	HQAM	1	49	10.80	10.89	10.83				
10	HQAM	25	0	10.86	10.84	10.86	17.5	0		
10	HQAM	25	12	10.84	10.89	10.89				
10	HQAM	25	25	10.84	10.87	10.87				
10	HQAM	50	0	10.84	10.89	10.89	17.5	0		
10	HQAM	1	0	10.84	10.89	10.89				
10	HQAM	1	25	10.86	10.86	10.87				
10	HQAM	1	49	10.80	10.89	10.83				
10	HQAM	25	0	10.86	10.84	10.86	17.5	0		
10	HQAM	25	12	10.84	10.89	10.89				
10	HQAM	25	25	10.84	10.87	10.87				
10	HQAM	50	0	10.84	10.89	10.89	17.5	0		
10	HQAM	1	0	10.84	10.89	10.89				
10	HQAM	1	25	10.86	10.86	10.87				
10	HQAM	1	49	10.80	10.89	10.83				
10	HQAM	25	0	10.86	10.84	10.86	17.5	0		
10	HQAM	25	12	10.84	10.89	10.89				
10	HQAM	25	25	10.84	10.87	10.87				
10	HQAM	50	0	10.84	10.89	10.89	17.5	0		
10	HQAM	1	0	10.84	10.89	10.89				
10	HQAM	1	25	10.86	10.86	10.87				
10	HQAM	1	49	10.80	10.89	10.83				
10	HQAM	25	0	10.86	10.84	10.86	17.5	0		
10	HQAM	25	12	10.84	10.89	10.89				
10	HQAM	25	25	10.84	10.87	10.87				
10	HQAM	50	0	10.84	10.89	10.89	17.5	0		
10	HQAM	1	0	10.84	10.89	10.89				
10	HQAM	1	25	10.86	10.86	10.87				
10	HQAM	1	49	10.80	10.89	10.83				
10	HQAM	25	0	10.86	10.84	10.86	17.5	0		
10	HQAM	25	12	10.84	10.89	10.89				
10	HQAM	25	25	10.84	10.87	10.87				
10	HQAM	50	0	10.84	10.89	10.89	17.5	0		
10	HQAM	1	0	10.84	10.89	10.89				
10	HQAM	1	25	10.86	10.86	10.87				
10	HQAM	1	49	10.80	10.89	10.83				
10	HQAM	25	0	10.86	10.84	10.86	17.5	0		
10	HQAM	25	12	10.84	10.89	10.89				
10	HQAM	25	25	10.84	10.87	10.87				
10	HQAM	50	0	10.84	10.89	10.89	17.5	0		
10	HQAM	1	0	10.84	10.89	10.89				
10	HQAM	1	25	10.86	10.86	10.87				
10	HQAM	1	49	10.80	10.89	10.83				
10	HQAM	25	0	10.86	10.84	10.86	17.5	0		
10	HQAM	25	12	10.84	10.89	10.89				
10	HQAM	25	25	10.84	10.87	10.87				
10	HQAM	50	0	10.84	10.89	10.89	17.5	0		
10	HQAM	1	0	10.84	10.89	10.89				



Band 38 Ant 1 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Middle Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				38750	38800	38150				
Frequency (MHz)										
20	QPSK	1	0	17.80	17.84	17.78				
20	QPSK	1	49	17.80	17.72	17.70		19	0	
20	QPSK	1	99	17.87	17.76	17.76				
20	QPSK	50	0	17.72	17.76	17.77				
20	QPSK	50	24	17.75	17.82	17.71				
20	QPSK	50	50	17.68	17.77	17.76		19	0	
20	QPSK	100	0	17.75	17.82	17.80				
20	16QAM	1	0	17.74	17.68	17.75				
20	16QAM	1	49	17.82	17.77	17.71		19	0	
20	16QAM	1	99	17.73	17.81	17.70				
20	16QAM	50	0	17.82	17.82	17.69				
20	16QAM	50	24	17.88	17.73	17.77		19	0	
20	16QAM	50	50	17.72	17.76	17.82				
20	16QAM	100	0	17.82	17.87	17.85				
20	16QAM	1	0	17.74	17.68	17.73				
20	16QAM	1	49	17.75	17.74	17.67		19	0	
20	16QAM	1	99	17.69	17.75	17.76				
20	16QAM	50	0	17.72	17.76	17.81				
20	16QAM	50	24	17.73	17.79	17.78		19	0	
20	16QAM	50	50	17.77	17.83	17.69				
20	16QAM	100	0	17.83	17.79	17.75				
20	256QAM	1	0	17.77	17.78	17.73				
20	256QAM	1	49	17.69	17.69	17.81		19	0	
20	256QAM	1	99	17.70	17.79	17.70				
20	256QAM	50	0	17.73	17.72	17.72				
20	256QAM	50	24	17.74	17.82	17.82		19	0	
20	256QAM	50	50	17.69	17.79	17.77				
20	256QAM	100	0	17.68	17.70	17.72				
Channel										
38725				38800	38175			turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
15	QPSK	1	0	17.63	17.70	17.65				
15	QPSK	1	49	17.69	17.58	17.67		19	0	
15	QPSK	1	74	17.60	17.72	17.60				
15	QPSK	36	0	17.71	17.60	17.68				
15	QPSK	36	20	17.60	17.65	17.70		19	0	
15	QPSK	36	39	17.62	17.69	17.69				
15	QPSK	75	0	17.70	17.63	17.66				
15	16QAM	1	0	17.60	17.72	17.65				
15	16QAM	1	37	17.68	17.65	17.58		19	0	
15	16QAM	1	74	17.58	17.62	17.65				
15	16QAM	36	0	17.58	17.60	17.67				
15	16QAM	36	20	17.68	17.65	17.60		19	0	
15	16QAM	36	39	17.71	17.72	17.68				
15	16QAM	75	0	17.63	17.62	17.70				
15	16QAM	1	0	17.60	17.69	17.69				
15	16QAM	1	37	17.65	17.69	17.66		19	0	
15	16QAM	1	74	17.61	17.70	17.67				
15	16QAM	36	0	17.62	17.58	17.66				
15	16QAM	36	20	17.62	17.69	17.67		19	0	
15	16QAM	36	39	17.66	17.68	17.64				
15	16QAM	75	0	17.69	17.71	17.64				
15	256QAM	1	0	17.67	17.60	17.73				
15	256QAM	1	37	17.63	17.65	17.66		19	0	
15	256QAM	1	74	17.62	17.68	17.64				
15	256QAM	36	0	17.63	17.62	17.64				
15	256QAM	36	20	17.68	17.71	17.67		19	0	
15	256QAM	36	39	17.64	17.58	17.66				
15	256QAM	75	0	17.57	17.66	17.64				
Channel										
38725				38800	38225			turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
10	QPSK	1	0	17.72	17.73	17.59				
10	QPSK	1	25	17.73	17.65	17.62		19	0	
10	QPSK	1	49	17.65	17.60	17.61				
10	QPSK	25	0	17.69	17.60	17.71				
10	QPSK	25	12	17.59	17.71	17.65		19	0	
10	QPSK	25	25	17.58	17.59	17.61				
10	QPSK	50	0	17.60	17.64	17.64				
10	16QAM	1	0	17.66	17.60	17.69				
10	16QAM	1	25	17.68	17.58	17.69		19	0	
10	16QAM	1	49	17.62	17.57	17.65				
10	16QAM	25	0	17.69	17.63	17.71				
10	16QAM	25	12	17.70	17.60	17.58		19	0	
10	16QAM	25	25	17.71	17.69	17.58				
10	16QAM	50	0	17.67	17.60	17.71				
10	16QAM	1	0	17.67	17.62	17.62				
10	16QAM	1	25	17.63	17.71	17.68		19	0	
10	16QAM	1	49	17.63	17.67	17.66				
10	16QAM	25	0	17.58	17.65	17.60				
10	16QAM	25	12	17.65	17.59	17.69		19	0	
10	16QAM	25	25	17.59	17.57	17.59				
10	16QAM	50	0	17.72	17.57	17.71				
10	256QAM	1	0	17.65	17.67	17.60				
10	256QAM	1	25	17.73	17.68	17.69		19	0	
10	256QAM	1	49	17.65	17.72	17.70				
10	256QAM	25	0	17.72	17.71	17.63				
10	256QAM	25	12	17.66	17.59	17.62		19	0	
10	256QAM	25	25	17.69	17.70	17.59				
10	256QAM	50	0	17.64	17.63	17.67				
Channel										
38975				38000	41055	41505		turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)										
5	QPSK	1	0	17.60	17.71	17.66				
5	QPSK	1	12	17.61	17.70	17.60		19	0	
5	QPSK	1	24	17.61	17.61	17.64				
5	QPSK	12	0	17.61	17.58	17.62		19	0	
5	QPSK	12	7	17.70	17.63	17.71				
5	QPSK	12	13	17.68	17.58	17.60		19	0	
5	QPSK	25	0	17.65	17.72	17.66				
5	16QAM	1	0	17.61	17.71	17.67				
5	16QAM	1	12	17.60	17.59	17.73		19	0	
5	16QAM	12	0	17.69	17.68	17.69				
5	16QAM	12	7	17.67	17.60	17.72		19	0	
5	16QAM	12	13	17.67	17.67	17.61				
5	16QAM	25	0	17.71	17.64	17.73				
5	16QAM	1	0	17.68	17.66	17.61				
5	16QAM	1	12	17.59	17.67	17.72		19	0	
5	16QAM	1	24	17.60	17.63	17.65				
5	16QAM	12	0	17.63	17.62	17.58				
5	16QAM	12	7	17.65	17.70	17.71		19	0	
5	16QAM	12	13	17.73	17.68	17.61				
5	16QAM	25	0	17.70	17.63	17.70				
5	256QAM	1	0	17.68	17.68	17.65				
5	256QAM	1	12	17.69	17.59	17.72		19	0	
5	256QAM	1	24	17.62	17.72	17.58				
5	256QAM	12	0	17.64	17.73	17.68				
5	256QAM	12	7	17.68	17.59	17.67		19	0	
5	256QAM	12	13	17.64	17.66	17.60				
5	256QAM	25	0	17.68	17.67	17.69				

Band 41 Ant 1 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Middle Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)										
20	QPSK	1	0	17.69	17.73	17.75	17.72	17.71		
20	QPSK	1	49	17.69	17.59	17.72	17.69	17.69		19
20	QPSK	1	99	17.65	17.64	17.72	17.66	17.67		
20	QPSK	50	0	17.69	17.69	17.63	17.57	17.64		
20	QPSK	50	24	17.62	17.63	17.72	17.68	17.61		
20	QPSK	50	50	17.58	17.66	17.66	17.63	17.71		19
20	QPSK	100	0	17.65	17.71	17.72	17.69	17.68		
20	16QAM	1	0	17.57	17.69	17.67	17.68	17.85		
20	16QAM	1	49	17.61	17.61	17.68	17.67	17.68		19
20	16QAM	1	99	17.72	17.58	17.67	17.61	17.62		
20	16QAM	50	0	17.58	17.59	17.58	17.57	17.64		
20	16QAM	50	24	17.61	17.63	17.58	17.65	17.60		19
20	16QAM	50	50	17.64	17.66	17.63	17.60	17.61		
20	16QAM	100	0	17.59	17.66	17.72	17.65	17.58		
20	16QAM	1	0	17.66	17.73	17.69	17.73	17.71		
20	16QAM	1	49	17.64	17.64	17.63	17.65	17.68		19
20	16QAM	1	99	17.60	17.64	17.67	17.58	17.71		
20	16QAM	50	0	17.66	17.68	17.73	17.69	17.70		
20	16QAM	50	24	17.64	17.58	17.68	17.69	17.60		19
20	16QAM	50	50	17.71	17.58	17.61	17.73	17.69		
20	16QAM	100	0	17.72	17.65	17.65	17.65	17.71		
20	256QAM	1	0	17.65	17.68	17.73	17.69	17.64		
20	256QAM	1	49	17.69	17.68	17.73	17.69	17.69		19
20	256QAM	1	99	17.63	17.64	17.59	17.63	17.62		
20	256QAM	50	0	17.68	17.70	17.69	17.70	17.71		
20	256QAM	50	24	17.59	17.68	17.72	17.64	17.71</		



GSM1900 Ant 2 DS17

GSM1900 Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1860	1869.8		1852.2	1860	1869.8	
GSM 1 Tx slot	28.60	29.98	29.60	30.50	19.60	20.98	20.60	21.50
GPRS 1 Tx slot	28.65	30.03	29.65	30.50	19.65	21.03	20.65	21.50
GPRS 2 Tx slot	28.55	27.81	27.71	28.50	20.55	21.87	21.71	22.50
GPRS 3 Tx slot	28.01	28.18	28.12	27.00	20.75	21.83	21.86	22.74
GPRS 4 Tx slot	23.51	24.55	24.28	25.50	20.51	21.55	21.28	22.50
EDGE 1 Tx slot	24.74	25.69	26.07	26.50	15.74	16.69	17.07	17.50
EDGE 2 Tx slot	23.58	24.55	24.95	25.50	17.58	18.55	18.93	19.50
EDGE 3 Tx slot	22.00	23.18	23.34	24.00	17.74	18.90	19.08	19.74
EDGE 4 Tx slot	20.52	21.58	21.77	22.50	17.52	18.58	18.77	19.50

WCDMA II Ant 2 DS17

WCDMA IV Ant 2 DS17

Band	WCDMA II Ant 2			Tune-up Limit (dBm)	WCDMA IV Ant 2			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513	
TX Channel	9282	9400	9538		1312	1413	1513	
RX Channel	9652	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	20.34	20.40	20.42	21.10	17.39	17.42	17.45	18.90
3GPP Rel 99 RMC 12.2Kbps	20.45	20.45	20.42	21.10	17.46	17.48	17.42	18.90
3GPP Rel 8 HSDPA Subtest 1	19.28	19.47	19.52	20.10	16.35	16.39	16.43	17.60
3GPP Rel 6 HSDPA Subtest 2	19.35	19.45	19.45	20.10	16.48	16.49	16.50	17.60
3GPP Rel 6 HSDPA Subtest 3	18.75	18.90	18.80	19.60	15.84	15.94	15.79	17.40
3GPP Rel 6 HSDPA Subtest 4	18.80	18.95	18.81	19.60	15.80	15.95	15.93	17.40
3GPP Rel 8 DCH-HSDPA Subtest 1	19.32	19.51	19.50	20.10	16.43	16.39	16.40	17.60
3GPP Rel 8 DCH-HSDPA Subtest 2	19.45	19.52	19.25	20.10	16.49	16.57	16.34	17.60
3GPP Rel 8 DCH-HSDPA Subtest 3	18.80	18.88	18.94	19.60	15.71	15.94	16.04	17.40
3GPP Rel 8 DCH-HSDPA Subtest 4	18.85	18.98	18.75	19.60	15.80	15.80	15.75	17.40
3GPP Rel 6 HSUPA Subtest 1	19.41	19.45	19.41	20.10	16.38	16.43	16.37	17.60
3GPP Rel 6 HSUPA Subtest 2	17.36	17.45	17.55	18.10	14.31	14.47	14.43	15.90
3GPP Rel 6 HSUPA Subtest 3	18.33	18.45	18.53	19.10	15.38	15.38	15.57	16.90
3GPP Rel 6 HSUPA Subtest 4	17.37	17.40	17.43	18.10	14.35	14.50	14.49	15.90
3GPP Rel 6 HSUPA Subtest 5	19.45	19.51	19.57	20.10	16.38	16.47	16.48	17.60



Band 25 Ant 2 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-on time (sec)	APR (dB)		
Channel										
20	QPSK	1	0	18.54	18.57	18.55				
20	QPSK	1	49	18.49	18.47	18.47	19.5	0		
20	QPSK	50	0	18.52	18.55	18.51				
20	QPSK	50	24	18.45	18.44	18.51	19.5	0		
20	QPSK	50	50	18.45	18.51	18.49				
20	QPSK	100	0	18.52	18.54	18.51				
20	16QAM	1	49	18.48	18.49	18.48	19.5	0		
20	16QAM	1	99	18.52	18.51	18.49				
20	16QAM	50	0	18.52	18.49	18.50				
20	16QAM	50	24	18.51	18.41	18.49	19.5	0		
20	16QAM	50	50	18.52	18.47	18.46				
20	16QAM	100	0	18.52	18.51	18.52				
20	64QAM	1	49	18.41	18.50	18.50	19.5	0		
20	64QAM	1	99	18.47	18.54	18.50				
20	64QAM	50	0	18.51	18.52	18.37				
20	64QAM	50	24	18.45	18.51	18.50	19.5	0		
20	64QAM	50	50	18.52	18.48	18.39				
20	64QAM	100	0	18.40	18.48	18.36				
20	256QAM	1	49	17.44	17.48	17.48				
20	256QAM	1	99	17.46	17.52	17.44	19.5	0		
20	256QAM	50	0	17.53	17.46	17.23				
20	256QAM	50	24	17.52	17.46	17.28	19.5	0		
20	256QAM	50	50	17.46	17.40	17.44				
20	256QAM	100	0	17.45	17.48	17.52				
Channel										
26115				26160	26165	26165	Turn-on time (sec)	APR (dB)		
Channel										
1857.5				1880	1907.5	1910	Turn-on time (sec)	APR (dB)		
15	QPSK	1	0	18.40	18.31	18.42				
15	QPSK	1	37	18.43	18.43	18.38	19.5	0		
15	QPSK	1	74	18.39	18.32	18.30				
15	QPSK	36	0	18.43	18.32	18.34				
15	QPSK	36	24	18.32	18.43	18.35	19.5	0		
15	QPSK	36	36	18.46	18.40	18.27				
15	16QAM	1	37	18.35	18.44	18.34	19.5	0		
15	16QAM	1	74	18.38	18.48	18.39				
15	16QAM	36	0	18.43	18.40	18.36				
15	16QAM	36	20	18.38	18.34	18.38	19.5	0		
15	16QAM	36	36	18.40	18.32	18.32				
15	16QAM	75	0	18.46	18.41	18.38				
15	64QAM	1	0	18.33	18.40	18.27	19.5	0		
15	64QAM	1	37	18.37	18.45	18.34				
15	64QAM	1	74	18.41	18.35	18.34				
15	64QAM	36	0	18.37	18.43	18.40	19.5	0		
15	64QAM	36	20	18.38	18.45	18.34				
15	64QAM	36	36	18.45	18.39	18.37	19.5	0		
15	256QAM	1	37	17.53	17.52	17.51				
15	256QAM	1	74	17.53	17.43	17.39	19.5	0		
15	256QAM	36	0	17.52	17.52	17.38				
15	256QAM	36	20	17.52	17.38	17.36	19.5	0		
15	256QAM	36	36	17.53	17.44	17.39				
15	256QAM	75	0	17.57	17.40	17.39				
Channel										
26590				26590	26590	26590	Turn-on time (sec)	APR (dB)		
Channel										
1855				1880	1910	1910	Turn-on time (sec)	APR (dB)		
10	QPSK	1	0	18.39	18.33	18.30				
10	QPSK	1	25	18.33	18.41	18.33	19.5	0		
10	QPSK	1	49	18.46	18.40	18.26				
10	QPSK	13	0	18.41	18.31	18.28				
10	QPSK	25	12	18.40	18.36	18.34	19.5	0		
10	QPSK	25	25	18.41	18.41	18.39				
10	16QAM	1	0	18.41	18.39	18.41				
10	16QAM	1	25	18.44	18.32	18.28	19.5	0		
10	16QAM	25	0	18.41	18.33	18.39				
10	16QAM	25	12	18.38	18.38	18.39	19.5	0		
10	16QAM	25	25	18.35	18.44	18.38				
10	16QAM	50	0	18.39	18.34	18.27				
10	64QAM	1	0	18.34	18.40	18.28	19.5	0		
10	64QAM	1	25	18.40	18.42	18.34				
10	64QAM	1	49	18.42	18.41	18.31				
10	64QAM	25	0	18.46	18.40	18.32	19.5	0		
10	64QAM	25	12	18.35	18.42	18.35				
10	64QAM	25	25	18.34	18.43	18.41	19.5	0		
10	256QAM	1	0	18.33	18.41	18.33				
10	256QAM	1	25	17.45	17.45	17.29	19.5	0		
10	256QAM	1	49	17.41	17.48	17.49				
10	256QAM	1	99	17.37	17.53	17.23	19.5	0		
10	256QAM	25	0	17.52	17.45	17.25				
10	256QAM	25	12	17.39	17.40	17.37	19.5	0		
10	256QAM	25	25	17.53	17.39	17.44				
10	256QAM	50	0	17.53	17.52	17.45				
Channel										
26985				26980	26985	26985	Turn-on time (sec)	APR (dB)		
Channel										
1862.5				1880	1912.5	1915	Turn-on time (sec)	APR (dB)		
5	QPSK	1	0	18.31	18.33	18.40				
5	QPSK	1	12	18.45	18.46	18.39	19.5	0		
5	QPSK	1	24	18.32	18.39	18.31				
5	QPSK	13	0	18.41	18.31	18.28				
5	QPSK	12	7	18.32	18.44	18.39	19.5	0		
5	QPSK	12	13	18.39	18.42	18.35				
5	QPSK	25	0	18.37	18.41	18.27				
5	16QAM	1	0	18.43	18.43	18.28	19.5	0		
5	16QAM	1	12	18.30	18.45	18.41				
5	16QAM	1	24	18.38	18.41	18.32				
5	16QAM	12	0	18.33	18.47	18.34	19.5	0		
5	16QAM	12	7	18.42	18.36	18.40				
5	16QAM	12	13	18.41	18.39	18.35	19.5	0		
5	16QAM	25	0	18.40	18.44	18.41				
5	64QAM	1	0	18.32	18.45	18.36	19.5	0		
5	64QAM	1	12	18.33	18.31	18.35				
5	64QAM	1	24	18.39	18.32	18.29				
5	64QAM	12	0	18.38	18.37	18.29	19.5	0		
5	64QAM	12	7	18.31	18.41	18.41				
5	64QAM	12	13	18.39	18.35	18.38	19.5	0		
5	256QAM	1	0	18.35	18.33	18.18				
5	256QAM	1	12	17.49	17.48	17.34	19.5	0		
5	256QAM	1	24	17.42	17.47	17.41				
5	256QAM	12	0	17.50	17.36	17.26	19.5	0		
5	256QAM	12	7	17.37	17.42	17.43				
5	256QAM	12	13	17.51	17.42	17.36	19.5	0		
5	256QAM	25	0	17.47	17.41	17.50				
Channel										
26665				26360	26675	26675	Turn-on time (sec)	APR (dB)		
Channel										
1857.5				1880	1914.5	1915	Turn-on time (sec)	APR (dB)		
3	QPSK	1	0	18.33	18.42	18.33				
3	QPSK	1	8	18.43	18.39	18.27	19.5	0		
3	QPSK	1	14	18.40	18.44	18.42				
3	QPSK	8	0	18.42	18.34	18.27				
3	QPSK	8	4	18.39	18.37	18.38	19.5	0		
3	QPSK	8	7	18.42	18.40	18.34				
3	QPSK	15	0	18.40	18.35	18.41				
3	16QAM	1	0	18.33	18.46	18.40	19.5	0		
3	16QAM	1	8	18.32	18.43	18.40				
3	16QAM	1	14	18.37	18.37	18.30	19.5	0		
3	16QAM	8	0	18.36	18.37	18.31				
3	16QAM	8	4	18.35	18.45	18.36	19.5	0		
3	16QAM	8	7	18.42	18.40	18.39				
3	64QAM	1	0	18.44	18.46	18.33	19.5	0		
3	64QAM	1	14	18.46	18.36	18.36				
3	64QAM	8	0	18.40	18.32	18.26	19.5	0		
3	64QAM	8	4	18.45	18.35	18.27				
3	64QAM	8	7	18.30	18.44	18.28	19.5	0		



Band 7 Ant 3 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				2050	2100	2150				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	20.54	20.57	20.55	21.4	0		
20	QPSK	1	49	20.40	20.51	20.43				
20	QPSK	1	99	20.50	20.43	20.42				
20	QPSK	50	0	20.48	20.58	20.40				
20	QPSK	50	24	20.51	20.42	20.55	21.4	0		
20	QPSK	50	50	20.48	20.52	20.45				
20	QPSK	100	0	20.48	20.53	20.45				
20	16QAM	1	0	20.44	20.48	20.50				
20	16QAM	1	49	20.48	20.56	20.50	21.4	0		
20	16QAM	1	99	20.46	20.51	20.45				
20	16QAM	50	0	19.61	19.72	19.48				
20	16QAM	50	24	19.35	19.55	19.42	21	0.4		
20	16QAM	50	50	19.39	19.35	19.56				
20	16QAM	100	0	19.61	19.57	19.55				
20	64QAM	1	0	19.54	19.69	19.44				
20	64QAM	1	49	19.44	19.57	19.53	21	0.4		
20	64QAM	1	99	19.56	19.61	19.44				
20	64QAM	50	0	18.78	18.59	18.59				
20	64QAM	50	24	18.78	18.69	18.77	20	1.4		
20	64QAM	50	50	18.65	18.60	18.71				
20	64QAM	100	0	18.41	18.70	18.41				
20	256QAM	1	0	16.68	16.69	16.81				
20	256QAM	1	49	16.68	16.66	16.67	18	3.4		
20	256QAM	1	99	16.54	16.53	16.50				
20	256QAM	50	0	16.36	16.57	16.39				
20	256QAM	50	24	16.72	16.60	16.71	18	3.4		
20	256QAM	50	50	16.68	16.65	16.58				
20	256QAM	100	0	16.77	16.70	16.73				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	20.45	20.48	20.49	21.4	0		
15	QPSK	1	37	20.41	20.43	20.38				
15	QPSK	1	74	20.41	20.49	20.40				
15	QPSK	38	0	20.40	20.35	20.46				
15	QPSK	38	20	20.49	20.36	20.41	21.4	0		
15	QPSK	38	39	20.38	20.42	20.46				
15	16QAM	1	0	20.47	20.37	20.45				
15	16QAM	1	37	20.46	20.50	20.47				
15	16QAM	1	74	20.42	20.37	20.38	21.4	0		
15	16QAM	1	74	20.38	20.48	20.48				
15	16QAM	38	0	19.50	19.75	19.47				
15	16QAM	38	20	19.34	19.61	19.36	21	0.4		
15	16QAM	38	39	19.38	19.32	19.52				
15	16QAM	75	0	19.55	19.57	19.44				
15	64QAM	1	0	19.68	19.60	19.58				
15	64QAM	1	37	19.44	19.57	19.44	21	0.4		
15	64QAM	1	74	19.64	19.68	19.46				
15	64QAM	38	0	18.81	18.55	18.55				
15	64QAM	38	20	18.86	18.67	18.53	20	1.4		
15	64QAM	38	39	18.62	18.58	18.68				
15	64QAM	75	0	18.39	18.58	18.46				
15	256QAM	1	0	18.81	18.62	18.73				
15	256QAM	1	37	18.60	18.68	18.65	18	3.4		
15	256QAM	1	74	18.45	18.58	18.63				
15	256QAM	38	0	18.37	18.54	18.46				
15	256QAM	38	20	16.69	16.59	16.72	18	3.4		
15	256QAM	38	39	16.65	16.53	16.49				
15	256QAM	75	0	16.74	16.65	16.61				
Channel				20800	21100	21400				
Frequency (MHz)				2508	2538	2568				
10	QPSK	1	0	20.40	20.47	20.49	21.4	0		
10	QPSK	1	25	20.43	20.36	20.37				
10	QPSK	1	49	20.41	20.45	20.38				
10	QPSK	25	0	20.45	20.37	20.35				
10	QPSK	25	12	20.49	20.36	20.36	21.4	0		
10	QPSK	25	25	20.41	20.47	20.51				
10	QPSK	50	0	20.37	20.43	20.45				
10	16QAM	1	0	20.42	20.44	20.39				
10	16QAM	1	25	20.45	20.50	20.45	21.4	0		
10	16QAM	1	49	20.35	20.43	20.49				
10	16QAM	25	0	19.60	18.74	19.59				
10	16QAM	25	12	19.46	19.58	19.42	21	0.4		
10	16QAM	25	25	19.35	19.40	19.58				
10	16QAM	50	0	19.54	19.58	19.48				
10	64QAM	1	0	19.53	19.62	19.57				
10	64QAM	1	25	19.46	19.52	19.54	21	0.4		
10	64QAM	1	49	19.59	19.60	19.50				
10	64QAM	25	0	18.70	18.49	18.52				
10	64QAM	25	12	18.85	18.57	18.78	20	1.4		
10	64QAM	25	25	18.73	18.63	18.74				
10	64QAM	50	0	18.38	18.71	18.43				
10	256QAM	1	0	16.75	16.70	16.86				
10	256QAM	1	25	16.67	16.84	16.76	18	3.4		
10	256QAM	1	49	16.47	16.54	16.52				
10	256QAM	25	0	16.48	16.53	16.46				
10	256QAM	25	12	16.72	16.63	16.70	18	3.4		
10	256QAM	25	25	16.69	16.62	16.49				
10	256QAM	50	0	16.74	16.60	16.71				
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2536	2567.5				
5	QPSK	1	0	20.42	20.42	20.42	21.4	0		
5	QPSK	1	12	20.36	20.50	20.49				
5	QPSK	1	24	20.40	20.39	20.45				
5	QPSK	12	0	20.39	20.48	20.38				
5	QPSK	12	7	20.37	20.46	20.42	21.4	0		
5	QPSK	12	13	20.40	20.41	20.39				
5	QPSK	25	0	20.50	20.44	20.45				
5	16QAM	1	0	20.35	20.40	20.36				
5	16QAM	1	12	20.48	20.48	20.45	21.4	0		
5	16QAM	1	24	20.48	20.49	20.50				
5	16QAM	12	0	19.53	19.66	19.48				
5	16QAM	12	7	19.45	19.59	19.45	21	0.4		
5	16QAM	12	13	19.39	19.42	19.60				
5	16QAM	25	0	19.50	19.65	19.43				
5	64QAM	1	0	19.55	19.66	19.57				
5	64QAM	1	12	19.39	19.46	19.51	21	0.4		
5	64QAM	1	24	19.67	19.67	19.39				
5	64QAM	12	0	18.72	18.50	18.51				
5	64QAM	12	7	18.90	18.59	18.83	20	1.4		
5	64QAM	12	13	18.66	18.56	18.70				
5	64QAM	25	0	18.44	18.66	18.41				
5	256QAM	1	0	16.80	16.70	16.82				
5	256QAM	1	12	16.63	16.56	16.76	18	3.4		
5	256QAM	1	24	16.41	16.63	16.50				
5	256QAM	12	0	16.43	16.53	16.43				
5	256QAM	12	7	16.62	16.59	16.73	18	3.4		
5	256QAM	12	13	16.75	16.59	16.53				
5	256QAM	25	0	16.79	16.60	16.67				



Band 38 Ant 3 DS17											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel				37950	38000	38150					
Frequency (MHz)				18.42	18.44	18.39					
20	QPSK	1	0	18.42	18.44	18.39					
20	QPSK	1	49	18.42	18.41	18.34	19.5				
20	QPSK	1	99	18.32	18.42	18.40					
20	QPSK	50	0	18.42	18.42	18.42					
20	QPSK	50	24	18.38	18.38	18.31	19.5				
20	QPSK	50	50	18.42	18.35	18.30					
20	QPSK	100	0	18.39	18.42	18.36					
20	HQAM	1	0	18.32	18.37	18.31					
20	HQAM	1	49	18.34	18.30	18.25	19.5				
20	HQAM	1	99	18.35	18.37	18.32					
20	HQAM	50	0	18.30	18.25	18.28					
20	HQAM	50	24	18.30	18.31	18.29	19.5				
20	HQAM	50	50	18.35	18.26	18.23					
20	HQAM	100	0	18.29	18.40	18.35					
20	HQAM	1	0	18.29	18.35	18.25					
20	HQAM	1	49	18.33	18.27	18.38	19.5				
20	HQAM	1	99	18.34	18.30	18.40					
20	HQAM	50	0	18.37	18.30	18.27					
20	HQAM	50	24	18.37	18.26	18.27	19.5				
20	HQAM	50	50	18.25	18.38	18.26					
20	HQAM	100	0	18.24	18.39	18.34					
20	256QAM	1	0	18.78	18.62	18.62					
20	256QAM	1	49	18.72	18.70	18.74	18				
20	256QAM	1	99	18.57	18.59	18.53					
20	256QAM	50	0	18.65	18.63	18.60					
20	256QAM	50	24	18.63	18.55	18.68	18				
20	256QAM	50	50	18.77	18.64	18.27	18				
20	256QAM	100	0	18.60	18.70	18.69					
Channel				37625	38000	38175					
Frequency (MHz)				2377.5	2390	2412.5					
15	QPSK	1	0	18.37	18.24	18.33					
15	QPSK	1	49	18.39	18.27	18.33	19.5				
15	QPSK	1	99	18.30	18.37	18.32					
15	QPSK	50	0	18.37	18.28	18.25					
15	QPSK	50	24	18.32	18.25	18.30	19.5				
15	QPSK	50	50	18.27	18.30	18.27					
15	QPSK	75	0	18.35	18.39	18.35					
15	HQAM	1	0	18.35	18.34	18.27					
15	HQAM	1	37	18.31	18.31	18.33	19.5				
15	HQAM	1	74	18.31	18.25	18.36					
15	HQAM	38	0	18.28	18.30	18.27					
15	HQAM	38	20	18.24	18.25	18.26	19.5				
15	HQAM	38	39	18.24	18.28	18.34					
15	HQAM	75	0	18.29	18.28	18.37					
15	HQAM	75	49	18.27	18.30	18.26	19.5				
15	HQAM	1	0	18.29	18.30	18.36					
15	HQAM	1	37	18.31	18.25	18.34	19.5				
15	HQAM	1	74	18.33	18.25	18.34					
15	HQAM	38	0	18.35	18.25	18.36					
15	HQAM	38	20	18.34	18.30	18.36	19.5				
15	HQAM	38	39	18.34	18.33	18.30					
15	HQAM	75	0	18.34	18.30	18.36					
15	256QAM	1	0	18.66	18.50	18.69					
15	256QAM	1	37	18.50	18.56	18.62	18				
15	256QAM	1	74	18.60	18.50	18.59	18				
15	256QAM	50	0	18.67	18.59	18.53					
15	256QAM	50	20	18.69	18.62	18.54	18				
15	256QAM	50	39	18.62	18.54	18.36	18				
15	256QAM	75	0	18.52	18.61	18.60					
Channel				37600	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	18.28	18.29	18.28					
10	QPSK	1	25	18.30	18.38	18.27	19.5				
10	QPSK	1	49	18.34	18.34	18.37					
10	QPSK	25	0	18.24	18.39	18.40					
10	QPSK	25	12	18.34	18.25	18.28	19.5				
10	QPSK	25	25	18.34	18.26	18.34					
10	QPSK	50	0	18.26	18.26	18.29					
10	HQAM	1	0	18.29	18.37	18.36					
10	HQAM	1	25	18.32	18.26	18.26	19.5				
10	HQAM	1	49	18.33	18.32	18.38					
10	HQAM	25	0	18.34	18.31	18.33					
10	HQAM	25	12	18.33	18.36	18.35	19.5				
10	HQAM	25	25	18.32	18.36	18.35					
10	HQAM	50	0	18.29	18.38	18.30					
10	HQAM	50	12	18.29	18.38	18.30	19.5				
10	HQAM	50	25	18.30	18.35	18.35					
10	HQAM	1	0	18.31	18.37	18.37					
10	HQAM	1	25	18.33	18.27	18.32	19.5				
10	HQAM	1	49	18.33	18.29	18.36					
10	HQAM	25	0	18.40	18.29	18.27					
10	HQAM	25	12	18.33	18.31	18.31	19.5				
10	HQAM	25	25	18.30	18.35	18.26					
10	HQAM	50	0	18.29	18.38	18.30					
10	HQAM	50	12	18.27	18.31	18.36	19.5				
10	HQAM	50	25	18.25	18.29	18.26					
10	HQAM	1	0	18.29	18.38	18.40					
10	HQAM	1	25	18.39	18.35	18.26	19.5				
10	HQAM	1	49	18.38	18.31	18.38					
10	HQAM	25	0	18.33	18.29	18.37					
10	HQAM	25	12	18.27	18.31	18.36	19.5				
10	HQAM	25	25	18.25	18.29	18.26					
10	HQAM	50	0	18.29	18.38	18.30					
10	HQAM	50	12	18.27	18.31	18.36	19.5				
10	HQAM	50	25	18.25	18.29	18.26					
10	256QAM	1	0	18.54	18.49	18.57					
10	256QAM	1	25	18.59	18.68	18.54	18				
10	256QAM	1	49	18.54	18.67	18.64	18				
10	256QAM	25	0	18.48	18.59	18.52	18				
10	256QAM	25	12	18.38	18.40	18.47	18				
10	256QAM	25	25	18.45	18.59	18.52	18				
10	256QAM	50	0	18.59	18.68	18.54					
Channel				39675	40185	40620	41055	41505			
Frequency (MHz)				2975	2995	3015	3037.5	3057.5			
5	QPSK	1	0	18.35	18.31	18.32					
5	QPSK	1	12	18.27	18.31	18.32	19.5				
5	QPSK	1	24	18.39	18.33	18.32					
5	QPSK	12	0	18.25	18.31	18.33					
5	QPSK	12	7	18.32	18.29	18.36	19.5				
5	QPSK	12	13	18.28	18.36	18.39					
5	QPSK	25	0	18.29	18.26	18.39					
5	HQAM	1	0	18.36	18.31	18.30					
5	HQAM	1	12	18.37	18.28	18.25	19.5				
5	HQAM	1	24	18.37	18.27	18.25					
5	HQAM	12	0	18.32	18.35	18.34					
5	HQAM	12	7	18.37	18.32	18.30	19.5				
5	HQAM	12	13	18.27	18.28	18.30					
5	HQAM	25	0	18.30	18.35	18.29					
5	HQAM	25	12	18.27	18.40	18.34	19.5				
5	HQAM	25	24	18.38	18.28	18.39					
5	HQAM	1	0	18.25	18.38	18.26	19.5				
5	HQAM	1	12	18.38	18.32	18.30					
5	HQAM	1	24	18.35	18.26	18.33	19.5				
5	HQAM	12	0	18.30	18.25	18.25					
5	HQAM	12	7	18.34	18.25	18.34	19.5				
5	HQAM	12	13	18.32	18.34	18.36					
5	HQAM	25	0	18.40	18.31	18.28	19.5				
5	256QAM	1	0	18.47	18.60	18.44	18				
5	256QAM	1	12	18.57	18.60	18.55	18				
5	256QAM	1	24	18.42	18.43	18.49	18				
5	256QAM	12	0	18.56	18.59	18.56					
5	256QAM	12	7	18.50	18.45	18.37	18				
5	256QAM	12	13	18.49	18.60	18.52	18				
5	256QAM	25	0	18.63	18.64	18.63	18				

Band 41 Ant 3 DS17													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41505					
Frequency (MHz)				18.43	18.44	18.47	18.42	18.45					
20	QPSK	1	0	18.43	18.44	18.47	18.42	18.45					
20	QPSK	1	49	18.33	18.39	18.32	18.35	18.43	19.5				
20	QPSK	1	99	18.33	18.44	18.33	18.34	18.31					
20	QPSK	50	0	18.44	18.34	18.36	18.35	18.41					
20	QPSK	50	24	18.43	18.42	18.40	18.35	18.43	19.5				
20	QPSK	50	50	18.43	18.40	18.39	18.39	18.36					
20	QPSK	100	0	18.41	18.43	18.45	18.38	18.44					
20	HQAM	1	0	18.32	18.37	18.45	18.33	18.43					



Band 42 Part 27Q Ant 7 DS17									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.84	19.87	19.83			
20	QPSK	1	49	19.85	19.48	19.59	20.7	0	
20	QPSK	1	99	19.61	19.27	19.20			
20	QPSK	50	0	19.54	19.61	19.59			
20	QPSK	50	24	19.60	19.56	19.58			
20	QPSK	50	50	19.53	19.53	19.50	20.7	0	
20	QPSK	100	0	19.53	19.58	19.51			
20	16QAM	1	0	19.59	19.65	19.57			
20	16QAM	1	49	19.47	19.62	19.60	20.7	0	
20	16QAM	1	99	19.65	19.54	19.53			
20	16QAM	50	0	19.60	19.57	19.61			
20	16QAM	50	24	19.65	19.53	19.64	20.7	0	
20	16QAM	50	50	19.53	19.66	19.48			
20	16QAM	100	0	19.61	19.53	19.65			
20	64QAM	1	0	19.52	19.61	19.57			
20	64QAM	1	49	19.55	19.56	19.54	20.7	0	
20	64QAM	1	99	19.58	19.65	19.66			
20	64QAM	50	0	19.66	19.66	19.63			
20	64QAM	50	24	19.61	19.64	19.55	20.7	0	
20	64QAM	50	50	19.56	19.57	19.61			
20	64QAM	100	0	19.64	19.52	19.55			
20	256QAM	1	0	17.64	17.57	17.73			
20	256QAM	1	49	17.71	17.66	17.80	19	1.7	
20	256QAM	1	99	17.59	17.57	17.46			
20	256QAM	50	0	17.55	17.51	17.57			
20	256QAM	50	24	17.55	17.66	17.72	19	1.7	
20	256QAM	50	50	17.45	17.48	17.52			
20	256QAM	100	0	17.67	17.75	17.57			
Channel				43145	43590	43990			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.50	19.56	19.62			
15	QPSK	1	37	19.56	19.57	19.59	20.7	0	
15	QPSK	1	74	19.47	19.53	19.50			
15	QPSK	36	0	19.51	19.50	19.54			
15	QPSK	36	20	19.61	19.49	19.62	20.7	0	
15	QPSK	36	39	19.51	19.56	19.58			
15	QPSK	75	0	19.54	19.57	19.62			
15	16QAM	1	0	19.48	19.48	19.55			
15	16QAM	1	37	19.48	19.50	19.51	20.7	0	
15	16QAM	1	74	19.58	19.51	19.51			
15	16QAM	36	0	19.53	19.54	19.54			
15	16QAM	36	20	19.61	19.54	19.62	20.7	0	
15	16QAM	36	39	19.55	19.48	19.59			
15	16QAM	75	0	19.53	19.53	19.54			
15	64QAM	1	0	19.51	19.51	19.49			
15	64QAM	1	37	19.63	19.56	19.53	20.7	0	
15	64QAM	1	74	19.53	19.53	19.54			
15	64QAM	36	0	19.48	19.61	19.54			
15	64QAM	36	20	19.59	19.53	19.55	20.7	0	
15	64QAM	36	39	19.54	19.63	19.63			
15	64QAM	75	0	19.48	19.63	19.56			
15	256QAM	1	0	17.67	17.58	17.64			
15	256QAM	1	37	17.67	17.65	17.49	19	1.7	
15	256QAM	1	74	17.50	17.45	17.42			
15	256QAM	36	0	17.34	17.37	17.45			
15	256QAM	36	20	17.54	17.58	17.66	19	1.7	
15	256QAM	36	39	17.37	17.41	17.55			
15	256QAM	75	0	17.46	17.62	17.54			
Channel				43140	43590	43990			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.63	19.51	19.53			
10	QPSK	1	25	19.48	19.53	19.57	20.7	0	
10	QPSK	1	49	19.50	19.48	19.47			
10	QPSK	25	0	19.60	19.61	19.63	20.7	0	
10	QPSK	25	12	19.63	19.54	19.63			
10	QPSK	25	25	19.58	19.53	19.54			
10	QPSK	50	0	19.48	19.58	19.63			
10	16QAM	1	0	19.53	19.56	19.61			
10	16QAM	1	25	19.61	19.49	19.58	20.7	0	
10	16QAM	1	49	19.52	19.59	19.52			
10	16QAM	25	0	19.48	19.50	19.59			
10	16QAM	25	12	19.51	19.62	19.59	20.7	0	
10	16QAM	25	25	19.56	19.62	19.51			
10	16QAM	50	0	19.55	19.60	19.63			
10	64QAM	1	0	19.63	19.63	19.51			
10	64QAM	1	25	19.48	19.47	19.56	20.7	0	
10	64QAM	25	0	19.47	19.60	19.54			
10	64QAM	25	12	19.51	19.60	19.57	20.7	0	
10	64QAM	25	25	19.58	19.62	19.59			
10	64QAM	50	0	19.63	19.60	19.50			
10	256QAM	1	0	17.88	17.53	17.89			
10	256QAM	1	25	17.61	17.50	17.53	19	1.7	
10	256QAM	1	49	17.42	17.36	17.51			
10	256QAM	25	0	17.33	17.44	17.42			
10	256QAM	25	12	17.65	17.58	17.56	19	1.7	
10	256QAM	25	25	17.36	17.51	17.54			
10	256QAM	50	0	17.48	17.55	17.56			
Channel				44116	42990	43068			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.61	19.49	19.52			
5	QPSK	1	12	19.56	19.61	19.49	20.7	0	
5	QPSK	1	24	19.60	19.53	19.52			
5	QPSK	12	0	19.54	19.50	19.60			
5	QPSK	12	7	19.62	19.57	19.51	20.7	0	
5	QPSK	12	13	19.48	19.53	19.54			
5	QPSK	25	0	19.59	19.54	19.59			
5	16QAM	1	0	19.57	19.58	19.56			
5	16QAM	1	12	19.52	19.50	19.48	20.7	0	
5	16QAM	1	24	19.55	19.63	19.63			
5	16QAM	12	0	19.59	19.56	19.56			
5	16QAM	12	7	19.56	19.51	19.57	20.7	0	
5	16QAM	12	13	19.54	19.51	19.59			
5	16QAM	25	0	19.62	19.57	19.62			
5	64QAM	1	0	19.48	19.50	19.60			
5	64QAM	1	12	19.60	19.47	19.60	20.7	0	
5	64QAM	1	24	19.53	19.57	19.60			
5	64QAM	12	0	19.51	19.53	19.54			
5	64QAM	12	7	19.48	19.60	19.59	20.7	0	
5	64QAM	12	13	19.56	19.60	19.55			
5	64QAM	25	0	19.50	19.60	19.54			
5	256QAM	1	0	17.63	17.52	17.62			
5	256QAM	1	12	17.54	17.49	17.51	19	1.7	
5	256QAM	1	24	17.40	17.45	17.47			
5	256QAM	12	0	17.42	17.47	17.43			
5	256QAM	12	7	17.55	17.53	17.63	19	1.7	
5	256QAM	12	13	17.41	17.43	17.45			
5	256QAM	25	0	17.42	17.59	17.59			



Band 38 Ant 1 Other PA Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				37650	38000	38150		
20	QPSK	1	0	23.12	23.17	23.14		
20	QPSK	1	49	23.06	23.02	23.09	24	0
20	QPSK	1	99	22.98	22.96	23.04		
20	QPSK	50	0	22.07	22.06	22.12		
20	QPSK	50	24	22.06	22.05	22.19		
20	QPSK	50	50	22.04	22.07	22.08	23	1
20	QPSK	100	0	22.06	22.11	22.06		
20	HQAM	1	0	21.94	22.13	21.92		
20	HQAM	1	49	22.14	22.13	22.06		
20	HQAM	1	99	22.19	22.15	22.17		
20	HQAM	50	0	21.23	21.10	21.01		
20	HQAM	50	24	21.10	21.18	21.08		
20	HQAM	50	50	20.98	21.06	21.27		
20	HQAM	100	0	21.15	21.26	21.07		
20	HQAM	1	0	21.03	21.02	21.11		
20	HQAM	1	49	21.10	21.12	21.00		
20	HQAM	1	99	21.00	21.08	21.10		
20	HQAM	50	0	20.92	21.00	20.98		
20	HQAM	50	24	20.22	20.12	20.07		
20	HQAM	50	50	20.13	20.03	20.23		
20	HQAM	100	0	20.14	20.05	20.20		
20	SSQAM	1	0	18.31	18.31	18.30		
20	SSQAM	1	49	18.28	18.25	18.38		
20	SSQAM	1	99	17.98	18.06	18.15		
20	SSQAM	50	0	18.06	18.03	18.15		
20	SSQAM	50	24	18.27	18.20	18.16		
20	SSQAM	50	50	18.02	18.08	18.05		
20	SSQAM	100	0	18.10	18.07	18.30		
Channel								
Frequency (MHz)				38725	38800	38175		
15	QPSK	1	0	22.75	22.95	23.12		
15	QPSK	1	49	22.89	22.91	22.98	24	0
15	QPSK	1	74	22.92	22.87	22.97		
15	QPSK	36	0	22.00	22.01	22.04		
15	QPSK	36	20	21.99	21.98	21.95		
15	QPSK	36	36	21.86	21.85	21.82		
15	QPSK	75	0	21.97	21.99	21.98		
15	HQAM	1	0	21.88	21.94	21.84		
15	HQAM	1	37	22.01	22.00	22.01		
15	HQAM	1	74	22.06	22.05	22.13		
15	HQAM	36	0	21.18	21.02	20.95		
15	HQAM	36	20	21.06	21.13	21.02		
15	HQAM	36	39	20.85	20.98	21.21		
15	HQAM	75	0	21.07	21.17	21.15		
15	HQAM	1	0	20.92	21.00	20.92		
15	HQAM	1	37	21.06	21.03	20.92		
15	HQAM	1	74	20.85	20.97	21.05		
15	HQAM	36	20	20.12	20.01	19.97		
15	HQAM	36	39	20.02	19.98	20.04		
15	HQAM	75	0	20.08	19.98	19.94		
15	SSQAM	1	0	18.21	18.24	18.25		
15	SSQAM	1	37	18.00	18.13	18.27		
15	SSQAM	1	74	17.87	17.98	18.18		
15	SSQAM	36	0	17.92	18.00	18.07		
15	SSQAM	36	20	18.18	18.13	18.06		
15	SSQAM	36	39	18.04	18.04	17.93		
15	SSQAM	75	0	18.05	17.96	18.18		
Channel								
Frequency (MHz)				39725	39800	39875		
10	QPSK	1	0	23.02	23.11	23.02		
10	QPSK	1	25	23.00	22.92	23.05		
10	QPSK	1	50	22.93	22.89	22.97		
10	QPSK	25	0	21.95	22.07	22.00		
10	QPSK	25	12	21.99	22.02	21.96		
10	QPSK	25	25	21.93	21.98	21.97		
10	QPSK	50	0	21.97	22.01	21.98		
10	HQAM	1	0	21.98	21.98	21.81		
10	HQAM	1	25	22.04	22.05	21.98		
10	HQAM	1	49	22.08	22.05	22.09		
10	HQAM	25	0	21.11	21.22	21.07		
10	HQAM	25	12	21.06	21.10	21.04		
10	HQAM	25	25	20.97	21.08	20.95		
10	HQAM	50	0	20.10	20.01	19.90		
10	HQAM	50	12	20.08	20.10	20.00		
10	HQAM	50	25	20.02	20.06	19.98		
10	HQAM	25	0	20.03	19.98	20.17		
10	HQAM	25	12	20.10	20.00	19.92		
10	SSQAM	1	0	18.23	18.26	18.20		
10	SSQAM	1	25	18.01	18.18	18.27		
10	SSQAM	1	49	17.87	17.81	18.10		
10	SSQAM	25	0	18.00	17.95	18.05		
10	SSQAM	25	12	18.19	18.10	18.09		
10	SSQAM	25	25	18.12	18.04	17.92		
10	SSQAM	50	0	18.05	18.02	18.27		
Channel								
Frequency (MHz)				37775	38000	38225		
5	QPSK	1	0	23.06	23.13	23.05		
5	QPSK	1	12	23.03	22.98	22.98	24	0
5	QPSK	1	24	22.91	22.84	22.96		
5	QPSK	12	0	21.99	22.03	22.01		
5	QPSK	12	7	22.05	22.00	21.91		
5	QPSK	12	13	21.95	21.99	21.95		
5	QPSK	25	0	21.93	22.07	21.93		
5	HQAM	1	0	21.88	22.04	21.82		
5	HQAM	1	12	22.11	22.07	22.04		
5	HQAM	12	0	21.20	21.00	20.96		
5	HQAM	12	7	21.06	21.10	21.04		
5	HQAM	12	13	20.91	20.94	21.19		
5	HQAM	25	0	20.02	20.15	20.09		
5	HQAM	25	12	20.06	20.09	20.08		
5	HQAM	25	12	21.01	21.02	20.95		
5	HQAM	1	24	20.94	20.93	20.97		
5	HQAM	12	0	20.00	20.15	20.03		
5	HQAM	12	7	20.11	20.04	19.97		
5	HQAM	12	13	20.09	20.00	20.11		
5	HQAM	25	0	20.04	19.98	19.90		
5	SSQAM	1	0	18.24	18.21	17.90		
5	SSQAM	1	12	18.03	18.02	17.96		
5	SSQAM	1	24	17.93	17.95	18.06		
5	SSQAM	12	0	17.92	17.97	18.09		
5	SSQAM	12	7	18.15	18.09	18.05		
5	SSQAM	12	13	18.00	18.07	18.22		
5	SSQAM	25	0	18.02	17.96	18.22		

Band 41 Ant 1 Other PA Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				39750	40185	40620		
20	QPSK	1	0	23.04	22.88	23.06	22.88	22.93
20	QPSK	1	49	23.02	22.86	22.92	23.07	22.97
20	QPSK	1	99	22.84	22.78	22.88	22.79	22.75
20	QPSK	50	0	21.97	21.95	22.02	22.02	22.02
20	QPSK	50	24	21.84	22.02	21.81	21.92	21.99
20	QPSK	50	50	21.96	21.81	22.05	21.76	21.78
20	QPSK	100	0	22.02	22.04	22.06	22.01	22.02
20	HQAM	1	0	21.75	22.00	21.87	22.09	22.03
20	HQAM	1	49	21.59	22.09	22.02	21.98	
20	HQAM	1	99	22.04	22.03	21.95	21.88	21.92
20	HQAM	50	0	21.01	21.03	20.75	20.99	20.97
20	HQAM	50	24	20.96	21.05	20.92	20.98	21.01
20	HQAM	50	50	20.85	20.99	20.86	20.96	20.91
20	HQAM	100	0	20.99	20.97	21.07	21.03	20.94
20	HQAM	1	0	20.94	20.79	20.98	20.92	20.87
20	HQAM	1	49	20.95	21.01	20.84	21.10	20.95
20	HQAM	1	99	20.95	21.07	20.89	21.05	20.99
20	HQAM	50	0	20.92	20.98	20.82	20.94	20.90
20	HQAM	50	24	20.17	20.01	19.78	20.03	19.92
20	HQAM	50	50	20.11	19.93	20.13	19.87	19.83
20	HQAM	100	0	20.01	19.94	19.77	19.89	19.84
20	SSQAM	1	0	18.12	18.15	17.84	18.12	18.09
20	SSQAM	1	49	18.01	18.22	18.01	18.29	18.26
20	SSQAM	1	99	17.79	17.80	17.96	17.85	18.02
20	SSQAM	50	0	17.88	17.85	18.00	17.92	17.89
20	SSQAM	50	24	18.04	17.94	18.05	17.91	18.01
20	SSQAM	50	50	17.90	18.05	17.92	17.97	17.95
20	SSQAM	100	0	17.87	17.99	17.99	17.96	17.88
Channel								
Frequency (MHz)				39725	40173	40620	41058	41450
15	QPSK	1	0	22.93	22.83	22.91	22.90	22.86
15	QPSK							



Band 38 Ant 1 Other PA DSI6

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Low Middle Ch / Freq, Power High Ch / Freq, Turn-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM, and 528QAM across different RB sizes and offsets.

Band 41 Ant 1 Other PA DSI6

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Low Middle Ch / Freq, Power High Ch / Freq, Turn-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM, and 528QAM across different RB sizes and offsets.

Band 41 HPUE Ant 1 Other PA DSI6

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Low Middle Ch / Freq, Power High Ch / Freq, Turn-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM, and 528QAM across different RB sizes and offsets.



Band 2 Ant 1 Other PA DS17										
BW (MHz)	Modulation	RB Size	RB (kHz)	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Mid Ch. Freq. (MHz)	Turn-up (dB)	Turn-down (dB)	Turn-on (dB)	Turn-off (dB)
20	OFDM	1	49	16.08	16.10	16.11	17.5	0		
20	OFDM	1	99	16.08	16.10	16.12				
20	OFDM	1	149	16.08	16.10	16.13				
20	OFDM	1	199	16.08	16.10	16.14				
20	OFDM	1	249	16.08	16.10	16.15				
20	OFDM	1	299	16.08	16.10	16.16				
20	OFDM	1	349	16.08	16.10	16.17				
20	OFDM	1	399	16.08	16.10	16.18				
20	OFDM	1	449	16.08	16.10	16.19				
20	OFDM	1	499	16.08	16.10	16.20				
20	OFDM	1	549	16.08	16.10	16.21				
20	OFDM	1	599	16.08	16.10	16.22				
20	OFDM	1	649	16.08	16.10	16.23				
20	OFDM	1	699	16.08	16.10	16.24				
20	OFDM	1	749	16.08	16.10	16.25				
20	OFDM	1	799	16.08	16.10	16.26				
20	OFDM	1	849	16.08	16.10	16.27				
20	OFDM	1	899	16.08	16.10	16.28				
20	OFDM	1	949	16.08	16.10	16.29				
20	OFDM	1	999	16.08	16.10	16.30				
20	OFDM	1	1049	16.08	16.10	16.31				
20	OFDM	1	1099	16.08	16.10	16.32				
20	OFDM	1	1149	16.08	16.10	16.33				
20	OFDM	1	1199	16.08	16.10	16.34				
20	OFDM	1	1249	16.08	16.10	16.35				
20	OFDM	1	1299	16.08	16.10	16.36				
20	OFDM	1	1349	16.08	16.10	16.37				
20	OFDM	1	1399	16.08	16.10	16.38				
20	OFDM	1	1449	16.08	16.10	16.39				
20	OFDM	1	1499	16.08	16.10	16.40				
20	OFDM	1	1549	16.08	16.10	16.41				
20	OFDM	1	1599	16.08	16.10	16.42				
20	OFDM	1	1649	16.08	16.10	16.43				
20	OFDM	1	1699	16.08	16.10	16.44				
20	OFDM	1	1749	16.08	16.10	16.45				
20	OFDM	1	1799	16.08	16.10	16.46				
20	OFDM	1	1849	16.08	16.10	16.47				
20	OFDM	1	1899	16.08	16.10	16.48				
20	OFDM	1	1949	16.08	16.10	16.49				
20	OFDM	1	1999	16.08	16.10	16.50				
20	OFDM	1	2049	16.08	16.10	16.51				
20	OFDM	1	2099	16.08	16.10	16.52				
20	OFDM	1	2149	16.08	16.10	16.53				
20	OFDM	1	2199	16.08	16.10	16.54				
20	OFDM	1	2249	16.08	16.10	16.55				
20	OFDM	1	2299	16.08	16.10	16.56				
20	OFDM	1	2349	16.08	16.10	16.57				
20	OFDM	1	2399	16.08	16.10	16.58				
20	OFDM	1	2449	16.08	16.10	16.59				
20	OFDM	1	2499	16.08	16.10	16.60				
20	OFDM	1	2549	16.08	16.10	16.61				
20	OFDM	1	2599	16.08	16.10	16.62				
20	OFDM	1	2649	16.08	16.10	16.63				
20	OFDM	1	2699	16.08	16.10	16.64				
20	OFDM	1	2749	16.08	16.10	16.65				
20	OFDM	1	2799	16.08	16.10	16.66				
20	OFDM	1	2849	16.08	16.10	16.67				
20	OFDM	1	2899	16.08	16.10	16.68				
20	OFDM	1	2949	16.08	16.10	16.69				
20	OFDM	1	2999	16.08	16.10	16.70				
20	OFDM	1	3049	16.08	16.10	16.71				
20	OFDM	1	3099	16.08	16.10	16.72				
20	OFDM	1	3149	16.08	16.10	16.73				
20	OFDM	1	3199	16.08	16.10	16.74				
20	OFDM	1	3249	16.08	16.10	16.75				
20	OFDM	1	3299	16.08	16.10	16.76				
20	OFDM	1	3349	16.08	16.10	16.77				
20	OFDM	1	3399	16.08	16.10	16.78				
20	OFDM	1	3449	16.08	16.10	16.79				
20	OFDM	1	3499	16.08	16.10	16.80				
20	OFDM	1	3549	16.08	16.10	16.81				
20	OFDM	1	3599	16.08	16.10	16.82				
20	OFDM	1	3649	16.08	16.10	16.83				
20	OFDM	1	3699	16.08	16.10	16.84				
20	OFDM	1	3749	16.08	16.10	16.85				
20	OFDM	1	3799	16.08	16.10	16.86				
20	OFDM	1	3849	16.08	16.10	16.87				
20	OFDM	1	3899	16.08	16.10	16.88				
20	OFDM	1	3949	16.08	16.10	16.89				
20	OFDM	1	3999	16.08	16.10	16.90				
20	OFDM	1	4049	16.08	16.10	16.91				
20	OFDM	1	4099	16.08	16.10	16.92				
20	OFDM	1	4149	16.08	16.10	16.93				
20	OFDM	1	4199	16.08	16.10	16.94				
20	OFDM	1	4249	16.08	16.10	16.95				
20	OFDM	1	4299	16.08	16.10	16.96				
20	OFDM	1	4349	16.08	16.10	16.97				
20	OFDM	1	4399	16.08	16.10	16.98				
20	OFDM	1	4449	16.08	16.10	16.99				
20	OFDM	1	4499	16.08	16.10	17.00				
20	OFDM	1	4549	16.08	16.10	17.01				
20	OFDM	1	4599	16.08	16.10	17.02				
20	OFDM	1	4649	16.08	16.10	17.03				
20	OFDM	1	4699	16.08	16.10	17.04				
20	OFDM	1	4749	16.08	16.10	17.05				
20	OFDM	1	4799	16.08	16.10	17.06				
20	OFDM	1	4849	16.08	16.10	17.07				
20	OFDM	1	4899	16.08	16.10	17.08				
20	OFDM	1	4949	16.08	16.10	17.09				
20	OFDM	1	4999	16.08	16.10	17.10				
20	OFDM	1	5049	16.08	16.10	17.11				
20	OFDM	1	5099	16.08	16.10	17.12				
20	OFDM	1	5149	16.08	16.10	17.13				
20	OFDM	1	5199	16.08	16.10	17.14				
20	OFDM	1	5249	16.08	16.10	17.15				
20	OFDM	1	5299	16.08	16.10	17.16				
20	OFDM	1	5349	16.08	16.10	17.17				
20	OFDM	1	5399	16.08	16.10	17.18				
20	OFDM	1	5449	16.08	16.10	17.19				
20	OFDM	1	5499	16.08	16.10	17.20				
20	OFDM	1	5549	16.08	16.10	17.21				
20	OFDM	1	5599	16.08	16.10	17.22				
20	OFDM	1	5649	16.08	16.10	17.23				
20	OFDM	1	5699	16.08	16.10	17.24				
20	OFDM	1	5749	16.08	16.10	17.25				
20	OFDM	1	5799	16.08	16.10	17.26				
20	OFDM	1	5849	16.08	16.10	17.27				
20	OFDM	1	5899	16.08	16.10	17.28				
20	OFDM	1	5949	16.08	16.10	17.29				
20	OFDM	1	5999	16.08	16.10	17.30				
20	OFDM	1	6049	16.08	16.10	17.31				
20	OFDM	1	6099	16.08	16.10	17.32				
20	OFDM	1	6149	16.08	16.10	17.33				
20	OFDM	1	6199	16.08	16.10	17.34				
20	OFDM	1	6249	16.08	16.10	17.35				
20	OFDM	1	6299	16.08	16.10	17.36				
20	OFDM	1	6349	16.08	16.10	17.37				
20	OFDM	1	6399	16.08	16.10	17.38				
20	OFDM	1	6449	16.08	16.10	17.39				
20	OFDM	1	6499	16.08	16.10	17.40				
20	OFDM	1	6549	16.08	16.10	17.41				



Band 38 Ant 1 Other PA DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	17.06	17.12	17.08				
20	QPSK	1	49	17.04	17.10	17.05	19	0		
20	QPSK	1	99	17.07	17.05	17.04				
20	QPSK	50	0	17.06	17.06	17.06				
20	QPSK	50	24	17.05	17.06	17.10				
20	QPSK	50	50	17.09	17.08	17.10	19	0		
20	QPSK	100	0	17.06	17.10	17.06				
20	16QAM	1	0	17.07	17.10	17.08				
20	16QAM	1	49	17.05	17.08	17.10	19	0		
20	16QAM	1	99	17.07	17.06	17.04				
20	16QAM	50	0	17.10	17.08	17.11				
20	16QAM	50	24	17.09	17.06	17.06	19	0		
20	16QAM	50	50	17.06	17.05	17.07				
20	16QAM	100	0	17.10	17.08	17.04				
20	16QAM	1	0	17.03	17.06	17.07				
20	16QAM	1	49	17.08	17.04	17.10	19	0		
20	16QAM	1	99	17.07	17.08	17.08				
20	16QAM	50	0	17.06	17.05	17.07				
20	16QAM	50	24	17.08	17.06	17.08	19	0		
20	16QAM	50	50	17.06	17.06	17.06				
20	16QAM	100	0	17.06	17.05	17.06				
20	256QAM	1	0	17.08	17.10	17.04				
20	256QAM	1	49	17.06	17.07	17.06	19	0		
20	256QAM	1	99	17.07	17.05	17.03				
20	256QAM	50	0	17.11	17.04	17.05				
20	256QAM	50	24	17.08	17.05	17.04	19	0		
20	256QAM	50	50	17.06	17.07	17.06				
20	256QAM	100	0	17.08	17.09	17.08				
Channel										
				37625	38000	38175	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	17.03	17.10	17.03				
15	QPSK	1	49	17.07	17.10	17.06	19	0		
15	QPSK	1	74	17.07	17.08	17.11				
15	QPSK	36	0	17.10	17.07	17.03				
15	QPSK	36	20	17.05	17.07	17.05	19	0		
15	QPSK	36	39	17.06	17.06	17.06				
15	QPSK	75	0	17.08	17.07	17.05				
15	16QAM	1	0	17.08	17.08	17.07				
15	16QAM	1	37	17.11	17.06	17.07	19	0		
15	16QAM	1	74	17.08	17.10	17.10				
15	16QAM	36	0	17.05	17.07	17.06				
15	16QAM	36	20	17.09	17.08	17.06	19	0		
15	16QAM	36	39	17.07	17.04	17.11				
15	16QAM	75	0	17.08	17.07	17.09				
15	16QAM	36	39	17.11	17.07	17.05	19	0		
15	16QAM	1	37	17.05	17.06	17.07				
15	16QAM	1	74	17.09	17.06	17.06				
15	16QAM	36	0	17.04	17.09	17.06				
15	16QAM	36	20	17.03	17.04	17.09	19	0		
15	16QAM	36	39	17.06	17.06	17.06				
15	16QAM	75	0	17.11	17.06	17.08				
15	256QAM	1	0	17.05	17.09	17.07				
15	256QAM	1	37	17.06	17.08	17.07	19	0		
15	256QAM	1	74	17.04	17.06	17.08				
15	256QAM	36	0	17.06	17.09	17.03				
15	256QAM	36	20	17.05	17.07	17.03	19	0		
15	256QAM	36	39	17.11	17.06	17.08				
15	256QAM	75	0	17.03	17.06	17.08				
Channel										
				25715	2595	26125	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	16.75	16.99	16.74				
10	QPSK	1	25	17.09	17.07	17.08	19	0		
10	QPSK	1	49	17.11	17.07	17.04				
10	QPSK	25	0	17.11	17.10	17.03				
10	QPSK	25	12	17.05	17.06	17.07	19	0		
10	QPSK	25	25	17.06	17.09	17.09				
10	QPSK	50	0	17.07	17.06	17.11				
10	16QAM	1	0	17.04	17.10	17.06				
10	16QAM	1	25	17.10	17.04	17.07	19	0		
10	16QAM	1	49	17.07	17.08	17.07				
10	16QAM	25	0	17.03	17.05	17.10				
10	16QAM	25	12	17.04	17.11	17.08	19	0		
10	16QAM	25	25	17.10	17.04	17.11				
10	16QAM	50	0	17.04	17.09	17.06				
10	16QAM	1	0	17.09	17.08	17.09				
10	16QAM	1	25	17.05	17.03	17.08	19	0		
10	16QAM	1	49	17.04	17.06	17.04				
10	16QAM	25	0	17.08	17.05	17.06				
10	16QAM	25	12	17.06	17.04	17.08	19	0		
10	16QAM	25	25	17.04	17.06	17.07				
10	16QAM	50	0	17.07	17.10	17.07				
10	16QAM	1	0	17.09	17.11	17.07				
10	16QAM	1	25	17.03	17.10	17.06	19	0		
10	16QAM	1	49	17.09	17.04	17.05				
10	16QAM	25	0	17.06	17.07	17.03				
10	16QAM	25	12	17.04	17.08	17.09	19	0		
10	16QAM	25	25	17.06	17.10	17.09				
10	16QAM	50	0	17.03	17.06	17.04				
Channel										
				37775	38000	38225	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	17.09	17.07	17.10				
5	QPSK	1	12	17.08	17.10	17.09	19	0		
5	QPSK	1	24	17.04	17.09	17.09				
5	QPSK	12	0	17.07	17.06	17.06				
5	QPSK	12	7	17.10	17.08	17.06	19	0		
5	QPSK	12	13	17.08	17.10	17.08				
5	QPSK	25	0	17.08	17.06	17.10				
5	16QAM	1	0	17.06	17.10	17.08				
5	16QAM	1	12	17.04	17.06	17.06	19	0		
5	16QAM	1	24	17.08	17.09	17.08				
5	16QAM	12	0	17.03	17.06	17.11				
5	16QAM	12	7	17.11	17.05	17.07	19	0		
5	16QAM	12	13	17.07	17.10	17.09				
5	16QAM	25	0	17.03	17.06	17.11				
5	16QAM	1	0	17.07	17.05	17.10				
5	16QAM	1	12	17.08	17.11	17.10	19	0		
5	16QAM	1	24	17.08	17.08	17.06				
5	16QAM	12	0	17.03	17.07	17.11				
5	16QAM	12	7	17.08	17.11	17.11	19	0		
5	16QAM	12	13	17.06	17.03	17.08				
5	16QAM	25	0	17.04	17.06	17.09				
5	256QAM	1	0	17.09	17.06	17.08				
5	256QAM	1	12	17.04	17.08	17.09	19	0		
5	256QAM	1	24	17.06	17.08	17.06				
5	256QAM	12	0	17.04	17.08	17.04				
5	256QAM	12	7	17.06	17.05	17.08	19	0		
5	256QAM	12	13	17.06	17.10	17.05				
5	256QAM	25	0	17.02	17.10	17.04				

Band 41 Ant 1 Other PA DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)										
20	QPSK	1	0	17.07	17.04	17.10	17.08	17.04		
20	QPSK	1	49	17.03	17.03	17.07	17.06	17.04	19	0
20	QPSK	1	99	17.00	17.08	17.07	17.07	17.07		
20	QPSK	50	0	17.06	17.05	17.07	17.03	17.05		
20	QPSK	50	24	17.02	17.07	17.04	17.06	17.05		
20	QPSK	50	50	17.07	17.06	17.01	17.07	17.01	19	0
20	QPSK	100	0	17.04	17.03	17.08	17.02	17.03		
20	16QAM	1	0	17.04	17.01					



UL CA power

Full Power&DS12

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.53	24.00
21100	21298	QPSK	1	99	1	0	22.55	24.00
21350	21152	QPSK	1	0	1	99	22.5	24.00

Full Power&DS12

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.55	24.00
37901	38099	QPSK	1	99	1	0	22.57	24.00
38150	37952	QPSK	1	0	1	99	22.53	24.00

Full Power

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.05	24.00
21100	21298	QPSK	1	99	1	0	23.08	24.00
21350	21152	QPSK	1	0	1	99	23.03	24.00

Full Power

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.78	24.00
37901	38099	QPSK	1	99	1	0	22.83	24.00
38150	37952	QPSK	1	0	1	99	22.81	24.00

Full Power&DS12

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.51	24.00
21100	21298	QPSK	1	99	1	0	22.54	24.00
21350	21152	QPSK	1	0	1	99	22.53	24.00

Full Power&DS12

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.45	24.00
37901	38099	QPSK	1	99	1	0	22.48	24.00
38150	37952	QPSK	1	0	1	99	22.43	24.00

Full Power&DS16

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.46	23.00
21100	21298	QPSK	1	99	1	0	21.49	23.00
21350	21152	QPSK	1	0	1	99	21.45	23.00

Full Power&DS13&DS16

CA_38C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.42	23.00
37901	38099	QPSK	1	99	1	0	21.48	23.00
38150	37952	QPSK	1	0	1	99	21.45	23.00



Full Power&DSI2

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.55	24.00
40185	40383	QPSK	1	99	1	0	22.54	24.00
40620	40818	QPSK	1	99	1	0	22.58	24.00
41055	41253	QPSK	1	99	1	0	22.53	24.00
41490	41292	QPSK	1	0	1	99	22.51	24.00

Full Power

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.71	24.00
40185	40383	QPSK	1	99	1	0	22.66	24.00
40620	40818	QPSK	1	99	1	0	22.74	24.00
41055	41253	QPSK	1	99	1	0	22.65	24.00
41490	41292	QPSK	1	0	1	99	22.68	24.00

Full Power&DSI2

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.45	24.00
40185	40383	QPSK	1	99	1	0	22.47	24.00
40620	40818	QPSK	1	99	1	0	22.49	24.00
41055	41253	QPSK	1	99	1	0	22.42	24.00
41490	41292	QPSK	1	0	1	99	22.48	24.00

Full Power&DSI3

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.43	23.00
40185	40383	QPSK	1	99	1	0	21.41	23.00
40620	40818	QPSK	1	99	1	0	21.45	23.00
41055	41253	QPSK	1	99	1	0	21.43	23.00
41490	41292	QPSK	1	0	1	99	21.42	23.00

Full Power&DSI2

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.51	27.00
40185	40383	QPSK	1	99	1	0	25.55	27.00
40620	40818	QPSK	1	99	1	0	25.58	27.00
41055	41253	QPSK	1	99	1	0	25.56	27.00
41490	41292	QPSK	1	0	1	99	25.54	27.00

Full Power

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.74	27.00
40185	40383	QPSK	1	99	1	0	25.76	27.00
40620	40818	QPSK	1	99	1	0	25.69	27.00
41055	41253	QPSK	1	99	1	0	25.75	27.00
41490	41292	QPSK	1	0	1	99	25.71	27.00

Full Power&DSI2

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.41	27.00
40185	40383	QPSK	1	99	1	0	25.39	27.00
40620	40818	QPSK	1	99	1	0	25.42	27.00
41055	41253	QPSK	1	99	1	0	25.38	27.00
41490	41292	QPSK	1	0	1	99	25.37	27.00

Full Power&DSI3

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.35	26.00
40185	40383	QPSK	1	99	1	0	24.37	26.00
40620	40818	QPSK	1	99	1	0	24.4	26.00
41055	41253	QPSK	1	99	1	0	24.36	26.00
41490	41292	QPSK	1	0	1	99	24.39	26.00



Full Power&DS13&DS16

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.66	24.00
42590	42788	QPSK	1	99	1	0	22.71	24.00
42990	42792	QPSK	1	0	1	99	22.68	24.00



DS12

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.22	18.40
21100	21298	QPSK	1	99	1	0	17.24	18.40
21350	21152	QPSK	1	0	1	99	17.19	18.40

DS12

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.75	20.00
37901	38099	QPSK	1	99	1	0	18.76	20.00
38150	37952	QPSK	1	0	1	99	18.72	20.00

DS12

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.05	19.20
21100	21298	QPSK	1	99	1	0	18.07	19.20
21350	21152	QPSK	1	0	1	99	18.03	19.20

DS12

CA_38C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.72	19.90
37901	38099	QPSK	1	99	1	0	18.76	19.90
38150	37952	QPSK	1	0	1	99	18.75	19.90



DS12

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.67	20.00
40185	40383	QPSK	1	99	1	0	18.61	20.00
40620	40818	QPSK	1	99	1	0	18.75	20.00
41055	41253	QPSK	1	99	1	0	18.64	20.00
41490	41292	QPSK	1	0	1	99	18.73	20.00

DS12

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.35	21.60
40185	40383	QPSK	1	99	1	0	20.38	21.60
40620	40818	QPSK	1	99	1	0	20.39	21.60
41055	41253	QPSK	1	99	1	0	20.37	21.60
41490	41292	QPSK	1	0	1	99	20.26	21.60

DS12

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.51	19.90
40185	40383	QPSK	1	99	1	0	18.52	19.90
40620	40818	QPSK	1	99	1	0	18.56	19.90
41055	41253	QPSK	1	99	1	0	18.49	19.90
41490	41292	QPSK	1	0	1	99	18.53	19.90

DS12

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.61	21.50
40185	40383	QPSK	1	99	1	0	20.59	21.50
40620	40818	QPSK	1	99	1	0	20.65	21.50
41055	41253	QPSK	1	99	1	0	20.58	21.50
41490	41292	QPSK	1	0	1	99	20.63	21.50



DS12

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	19.52	21.00
42690	42788	QPSK	1	99	1	0	19.54	21.00
42890	42792	QPSK	1	0	1	99	19.53	21.00



DS13

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.55	20.60
21100	21298	QPSK	1	99	1	0	19.58	20.60
21350	21152	QPSK	1	0	1	99	19.52	20.60

DS13

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.22	22.30
37901	38099	QPSK	1	99	1	0	21.25	22.30
38150	37952	QPSK	1	0	1	99	21.24	22.30

DS13

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.68	20.80
21100	21298	QPSK	1	99	1	0	19.72	20.80
21350	21152	QPSK	1	0	1	99	19.66	20.80

DS13

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.31	22.60
37901	38099	QPSK	1	99	1	0	21.33	22.60
38150	37952	QPSK	1	0	1	99	21.28	22.60

DS13

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.42	22.70
21100	21298	QPSK	1	99	1	0	21.44	22.70
21350	21152	QPSK	1	0	1	99	21.41	22.70

DS13

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.45	23.80
37901	38099	QPSK	1	99	1	0	22.48	23.80
38150	37952	QPSK	1	0	1	99	22.43	23.80

DS13

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.46	22.80
21100	21298	QPSK	1	99	1	0	21.49	22.80
21350	21152	QPSK	1	0	1	99	21.45	22.80



DSI3

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.22	22.30
40185	40383	QPSK	1	99	1	0	21.19	22.30
40620	40818	QPSK	1	99	1	0	21.25	22.30
41055	41253	QPSK	1	99	1	0	21.18	22.30
41490	41292	QPSK	1	0	1	99	21.22	22.30

DSI3

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.27	22.60
40185	40383	QPSK	1	99	1	0	21.25	22.60
40620	40818	QPSK	1	99	1	0	21.28	22.60
41055	41253	QPSK	1	99	1	0	21.22	22.60
41490	41292	QPSK	1	0	1	99	21.23	22.60

DSI3

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.45	23.80
40185	40383	QPSK	1	99	1	0	22.47	23.80
40620	40818	QPSK	1	99	1	0	22.49	23.80
41055	41253	QPSK	1	99	1	0	22.42	23.80
41490	41292	QPSK	1	0	1	99	22.48	23.80

DSI3

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.85	23.90
40185	40383	QPSK	1	99	1	0	22.87	23.90
40620	40818	QPSK	1	99	1	0	22.91	23.90
41055	41253	QPSK	1	99	1	0	22.81	23.90
41490	41292	QPSK	1	0	1	99	22.88	23.90

DSI3

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.83	24.20
40185	40383	QPSK	1	99	1	0	22.87	24.20
40620	40818	QPSK	1	99	1	0	22.89	24.20
41055	41253	QPSK	1	99	1	0	22.84	24.20
41490	41292	QPSK	1	0	1	99	22.82	24.20

DSI3

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.49	25.40
40185	40383	QPSK	1	99	1	0	24.51	25.40
40620	40818	QPSK	1	99	1	0	24.55	25.40
41055	41253	QPSK	1	99	1	0	24.42	25.40
41490	41292	QPSK	1	0	1	99	24.47	25.40



DS17

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.48	18.90
21100	21298	QPSK	1	99	1	0	17.53	18.90
21350	21152	QPSK	1	0	1	99	17.51	18.90

DS17

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.23	21.70
37901	38099	QPSK	1	99	1	0	20.26	21.70
38150	37952	QPSK	1	0	1	99	20.21	21.70

DS17

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.74	16.70
21100	21298	QPSK	1	99	1	0	15.75	16.70
21350	21152	QPSK	1	0	1	99	15.71	16.70

DS17

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.78	19.00
37901	38099	QPSK	1	99	1	0	17.81	19.00
38150	37952	QPSK	1	0	1	99	17.75	19.00

DS17

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.42	22.70
21100	21298	QPSK	1	99	1	0	21.44	22.70
21350	21152	QPSK	1	0	1	99	21.41	22.70

DS17

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.41	21.50
37901	38099	QPSK	1	99	1	0	20.45	21.50
38150	37952	QPSK	1	0	1	99	20.43	21.50

DS17

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.45	21.40
21100	21298	QPSK	1	99	1	0	20.48	21.40
21350	21152	QPSK	1	0	1	99	20.47	21.40

DS17

CA_38C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.35	19.50
37901	38099	QPSK	1	99	1	0	18.38	19.50
38150	37952	QPSK	1	0	1	99	18.32	19.50



DS17

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.21	21.70
40185	40383	QPSK	1	99	1	0	20.22	21.70
40620	40818	QPSK	1	99	1	0	20.25	21.70
41055	41253	QPSK	1	99	1	0	20.19	21.70
41490	41292	QPSK	1	0	1	99	20.18	21.70

DS17

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	17.64	19.00
40185	40383	QPSK	1	99	1	0	17.61	19.00
40620	40818	QPSK	1	99	1	0	17.67	19.00
41055	41253	QPSK	1	99	1	0	17.65	19.00
41490	41292	QPSK	1	0	1	99	17.62	19.00

DS17

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.42	21.50
40185	40383	QPSK	1	99	1	0	20.44	21.50
40620	40818	QPSK	1	99	1	0	20.47	21.50
41055	41253	QPSK	1	99	1	0	20.45	21.50
41490	41292	QPSK	1	0	1	99	20.43	21.50

DS17

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.31	19.50
40185	40383	QPSK	1	99	1	0	18.25	19.50
40620	40818	QPSK	1	99	1	0	18.32	19.50
41055	41253	QPSK	1	99	1	0	18.28	19.50
41490	41292	QPSK	1	0	1	99	18.26	19.50

DS17

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.86	23.30
40185	40383	QPSK	1	99	1	0	21.81	23.30
40620	40818	QPSK	1	99	1	0	21.87	23.30
41055	41253	QPSK	1	99	1	0	21.82	23.30
41490	41292	QPSK	1	0	1	99	21.85	23.30

DS17

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.38	20.60
40185	40383	QPSK	1	99	1	0	19.41	20.60
40620	40818	QPSK	1	99	1	0	19.45	20.60
41055	41253	QPSK	1	99	1	0	19.42	20.60
41490	41292	QPSK	1	0	1	99	19.39	20.60

DS17

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.15	23.10
40185	40383	QPSK	1	99	1	0	22.12	23.10
40620	40818	QPSK	1	99	1	0	22.18	23.10
41055	41253	QPSK	1	99	1	0	22.16	23.10
41490	41292	QPSK	1	0	1	99	22.13	23.10

DS17

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.02	21.10
40185	40383	QPSK	1	99	1	0	20.01	21.10
40620	40818	QPSK	1	99	1	0	20.05	21.10
41055	41253	QPSK	1	99	1	0	19.98	21.10
41490	41292	QPSK	1	0	1	99	19.95	21.10



DS17

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	19.32	20.70
42690	42788	QPSK	1	99	1	0	19.34	20.70
42890	42792	QPSK	1	0	1	99	19.33	20.70



DS16

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.08	20.30
21100	21298	QPSK	1	99	1	0	19.12	20.30
21350	21152	QPSK	1	0	1	99	19.09	20.30

DS16

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.22	22.80
37901	38099	QPSK	1	99	1	0	21.25	22.80
38150	37952	QPSK	1	0	1	99	21.24	22.80

DS16

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.11	21.20
21100	21298	QPSK	1	99	1	0	20.15	21.20
21350	21152	QPSK	1	0	1	99	20.14	21.20

DS16

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.79	23.00
37901	38099	QPSK	1	99	1	0	21.83	23.00
38150	37952	QPSK	1	0	1	99	21.81	23.00

DS16

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.42	22.90
21100	21298	QPSK	1	99	1	0	21.44	22.90
21350	21152	QPSK	1	0	1	99	21.41	22.90



DS16

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.22	22.80
40185	40383	QPSK	1	99	1	0	21.19	22.80
40620	40818	QPSK	1	99	1	0	21.25	22.80
41055	41253	QPSK	1	99	1	0	21.18	22.80
41490	41292	QPSK	1	0	1	99	21.22	22.80

DS16

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.64	23.00
40185	40383	QPSK	1	99	1	0	21.59	23.00
40620	40818	QPSK	1	99	1	0	21.67	23.00
41055	41253	QPSK	1	99	1	0	21.62	23.00
41490	41292	QPSK	1	0	1	99	21.65	23.00

DS16

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.86	24.40
40185	40383	QPSK	1	99	1	0	22.89	24.40
40620	40818	QPSK	1	99	1	0	22.91	24.40
41055	41253	QPSK	1	99	1	0	22.85	24.40
41490	41292	QPSK	1	0	1	99	22.88	24.40

DS16

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.25	24.60
40185	40383	QPSK	1	99	1	0	23.27	24.60
40620	40818	QPSK	1	99	1	0	23.29	24.60
41055	41253	QPSK	1	99	1	0	23.24	24.60
41490	41292	QPSK	1	0	1	99	23.22	24.60

DS16

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.41	26.20
40185	40383	QPSK	1	99	1	0	25.39	26.20
40620	40818	QPSK	1	99	1	0	25.42	26.20
41055	41253	QPSK	1	99	1	0	25.38	26.20
41490	41292	QPSK	1	0	1	99	25.37	26.20

DS16

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.35	25.50
40185	40383	QPSK	1	99	1	0	24.37	25.50
40620	40818	QPSK	1	99	1	0	24.4	25.50
41055	41253	QPSK	1	99	1	0	24.36	25.50
41490	41292	QPSK	1	0	1	99	24.39	25.50



Downlink CA Power

CA List	PCC											SCC				Power	
	LTE	BW	BW	UL	UL	UL	UL	UL	DL Antenna	LTE	BW	DL	DL	DL Antenna	Tx. Power (dBm)	Without CA Tx. Power (dBm)	
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	UL	UL	RB Offset	Configuration	Band	(MHz)	Freq. (MHz)	Channel			Configuration
CA_2A-26A	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.42	22.56	
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.42	22.54	
	Band 26	Ant 0	15M	831.5	26865	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	22.34	22.48	
	Band 26	Ant 1	15M	831.5	26865	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	22.34	22.54	
CA_2C	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.36	22.56	
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.42	22.54	
CA_38C	Band 38	Ant 2	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	22.56	22.67	
	Band 38	Ant 1	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	22.84	22.95	
	Band 38	Ant 0	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	22.33	22.52	
	Band 38	Ant 3	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	21.38	21.52	
CA_41A-42A	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.58	22.71	
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.56	22.77	
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.40	22.53	
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	21.38	21.54	
	Band 42	Ant 7	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.56	22.75	
CA_42A-42A	Band 42	Ant 7	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	5M	3547.5	43065	4x4MIMO	22.60	22.75	
CA_66B	Band 66	Ant 2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66879	4x4MIMO	22.44	22.54	
	Band 66	Ant 1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66879	4x4MIMO	22.41	22.52	
CA_66C	Band 66	Ant 2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66884	4x4MIMO	22.35	22.54	
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66884	4x4MIMO	22.33	22.52	
CA_7A-42A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.48	22.65	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.96	23.15	
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.47	22.59	
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	21.52	21.63	
	Band 42	Ant 7	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.61	22.75	
CA_7B	Band 7	Ant 2	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.53	22.65	
	Band 7	Ant 1	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	23.03	23.15	
	Band 7	Ant 0	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.46	22.59	
	Band 7	Ant 3	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	21.53	21.63	
CA_7C	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.52	22.65	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.98	23.15	
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.39	22.59	
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	21.51	21.63	



3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	Mod.	UL#	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA		
	Band	Ant	(MHz)	Freq. Channel (MHz)	Channel		RB	Offset	Band	(MHz)	Freq. Channel (MHz)	Channel	Band	(MHz)	Freq. Channel (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)		
CA_26A-41C	Band 26	Ant 0	15M	831.5	26965	QPSK	1	0	Band 41	20M	2593	40620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	22.38	22.49	
	Band 26	Ant 1	15M	831.5	26965	QPSK	1	0	Band 41	20M	2593	40620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	22.44	22.54	
	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 26	15M	876.5	8865	4xMIMO	22.56	22.71
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 26	15M	876.5	8865	4xMIMO	22.59	22.77
CA_2A-2A-7A	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 28	15M	876.5	8865	4xMIMO	21.39	21.54
	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	SA	1987.5	1175	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.40	22.46
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	SA	1987.5	1175	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.37	22.54
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	SA	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.53	22.65
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	SA	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.96	23.16
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	SA	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.43	22.59
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	SA	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	21.43	21.63
CA_2A-4A-7A	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.37	22.56
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.37	22.54
	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.39	22.56
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.38	22.51
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.44	22.65
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	23.04	23.16
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.39	22.59
CA_2A-5A-7A	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	21.46	21.63
	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.37	22.56
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.34	22.54
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.42	22.63
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.38	22.52
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.55	22.65
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	23.04	23.16
CA_2A-7A-38A	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.43	22.59
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	21.49	21.63
	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 38	20M	2599.8	38048	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.41	22.56
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 38	20M	2599.8	38048	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.40	22.54
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 38	20M	2599.8	38048	4xMIMO	22.51	22.65
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 38	20M	2599.8	38048	4xMIMO	22.97	23.16
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 38	20M	2599.8	38048	4xMIMO	22.48	22.59
CA_2A-7A-7A	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 38	20M	2599.8	38048	4xMIMO	21.50	21.63
	Band 38	Ant 2	20M	2599.8	38048	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.49	22.67
	Band 38	Ant 1	20M	2599.8	38048	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.83	22.96
	Band 38	Ant 0	20M	2599.8	38048	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.37	22.52
	Band 38	Ant 3	20M	2599.8	38048	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	21.33	21.52
	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	SA	2687.5	3425	4xMIMO	22.42	22.56
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	SA	2687.5	3425	4xMIMO	22.34	22.54
CA_2A-7A-66A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	SA	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.47	22.65
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	SA	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.96	23.16
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	SA	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.40	22.59
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	SA	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	21.50	21.63
	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.36	22.56
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.32	22.54
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.55	22.65
CA_4A-4A-7A	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.98	23.16
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.42	22.59
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 66	20M	2155	66886	4xMIMO	21.46	21.63
	Band 66	Ant 2	20M	1745	132322	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.39	22.54
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.39	22.52
	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.39	22.56
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.38	22.51
CA_7A-26A-66A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	22.47	22.65
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	23.02	23.16
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	22.48	22.59
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2								



4CA DL

Configure	PCC								SCC1				SCC2				SCC3				Power										
	LTE	BW	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA								
	Band	Ant	(MHz)	Freq. Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	(MHz)	Freq. Channel	DL Antenna Configuration	Band	(MHz)	Freq. Channel	DL Antenna Configuration	Band	(MHz)	Freq. Channel	DL Antenna Configuration	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)								
CA_2A-2A-4A-5A	Band 2	Ant 2	20M	1880	QPSK	1	0	4x4MIMO	Band 2	5M	187.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.46	22.56						
	Band 2	Ant 1	20M	1880	QPSK	1	0	4x4MIMO	Band 2	5M	187.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.38	22.54						
	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.35	22.56					
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.40	22.51					
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.50	22.63					
CA_2A-4A-7C	Band 2	Ant 2	20M	1880	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	2554.8	3298	4x4MIMO	22.39	22.56	
	Band 2	Ant 1	20M	1880	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	2554.8	3298	4x4MIMO	22.41	22.54	
	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.32	22.51					
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.32	22.51					
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.55	22.65					
CA_2A-7C-38A	Band 2	Ant 2	20M	1880	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.00	23.15	
	Band 2	Ant 1	20M	1880	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.98	23.09	
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.46	21.63					
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.46	21.63					
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.38	22.59					
CA_41A-41A-41C	Band 41	Ant 2	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	5M	287.5	4155	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	22.50	22.71
	Band 41	Ant 1	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	5M	287.5	4155	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	22.57	22.77					
	Band 41	Ant 0	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	5M	287.5	4155	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	22.32	22.53					
	Band 41	Ant 3	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	5M	287.5	4155	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	21.38	21.54					
	Band 41	Ant 4	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	5M	287.5	4155	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	22.51	22.71					
CA_41C-41C	Band 41	Ant 1	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2690.4	41094	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	22.57	22.77					
	Band 41	Ant 0	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2690.4	41094	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	22.32	22.53					
	Band 41	Ant 3	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2690.4	41094	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	21.38	21.54					
	Band 41	Ant 4	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2690.4	41094	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	22.51	22.71					
	Band 41	Ant 5	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2690.4	41094	4x4MIMO	Band 41	20M	2692.2	41292	4x4MIMO	Band 41	20M	2690	41490	4x4MIMO	22.61	22.81					
CA_41C-42C	Band 41	Ant 2	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2690.4	41094	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	22.49	22.71
	Band 41	Ant 1	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2691.2	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	22.62	22.82
	Band 41	Ant 0	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2691.2	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	22.41	22.63
	Band 41	Ant 3	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2691.2	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	21.38	21.54
	Band 42	Ant 7	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42798	4x4MIMO	Band 41	20M	2693	40620	4x4MIMO	Band 41	20M	2692.8	40818	4x4MIMO	Band 41	20M	2692.8	40818	4x4MIMO	22.54	22.75
CA_41E	Band 41	Ant 2	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2691.2	40818	4x4MIMO	Band 41	20M	2632.8	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	22.58	22.71
	Band 41	Ant 1	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2691.2	40818	4x4MIMO	Band 41	20M	2632.8	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	22.80	22.97
	Band 41	Ant 0	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2691.2	40818	4x4MIMO	Band 41	20M	2632.8	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	22.33	22.53
	Band 41	Ant 3	20M	2693	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2691.2	40818	4x4MIMO	Band 41	20M	2632.8	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	21.43	21.64
	Band 42	Ant 7	20M	3460	42190	QPSK	1	0	4x4MIMO	Band 42	20M	3479.8	42388	4x4MIMO	Band 42	20M	3499.6	42586	4x4MIMO	Band 42	20M	3519.4	42784	4x4MIMO	Band 42	20M	3519.4	42784	4x4MIMO	22.80	22.95
CA_5A-7A-66A-66A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66898	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.49	22.63
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66898	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.37	22.52
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66898	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		22.51	22.65					
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66898	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		22.01	22.15					
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66898	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		22.43	22.59					
Band 66	Ant 2	20M	1745	13232	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	22.34	22.54						
Band 66	Ant 1																														

5CA DL



Configure	PCC							SCC1					SCC2				SCC3				SCC4				Power						
	LTE	BW	BW	UL	UL		UL#	UL	DL Antenna	LTE	BW	DL	DL	DL Antenna	LTE	BW	DL	DL	DL Antenna	LTE	BW	DL	DL	DL Antenna	LTE	BW	DL	DL	DL Antenna	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Configuration	Band	(MHz)	Freq. (MHz)	Channel	Configuration	Band	(MHz)	Freq. (MHz)	Channel	Configuration	Band	(MHz)	Freq. (MHz)	Channel	Configuration	Band	(MHz)	Freq. (MHz)	Channel	Configuration	(dBm)	(dBm)
CA_5A-7C-66A-66A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.48	22.63
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.36	22.52
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2544.8	3298	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.54	22.66
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2544.8	3298	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.97	23.15
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2544.8	3298	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.43	22.59
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2544.8	3298	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	21.43	21.63
CA_41C-41D	Band 66	Ant 2	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	22.38	22.54
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	22.41	22.52
	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2508	39750	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	Band 41	20M	2545.6	40146	4xMIMO	22.51	22.71
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2508	39750	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	Band 41	20M	2545.6	40146	4xMIMO	22.58	22.77
CA_41F	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2508	39750	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	Band 41	20M	2545.6	40146	4xMIMO	22.35	22.53
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2508	39750	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	Band 41	20M	2545.6	40146	4xMIMO	21.4	21.54
	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2652.4	41214	4xMIMO	Band 41	20M	2672.2	41412	4xMIMO	22.61	22.71
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2652.4	41214	4xMIMO	Band 41	20M	2672.2	41412	4xMIMO	22.63	22.77
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2652.4	41214	4xMIMO	Band 41	20M	2672.2	41412	4xMIMO	22.34	22.53
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2652.4	41214	4xMIMO	Band 41	20M	2672.2	41412	4xMIMO	21.40	21.54



Full&Default Power Mode

n5 Ant 0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	22.59	22.53	22.58			
20	1/2 BPSK	1	53	22.62	22.59	22.48	24.0	0.0	
20	1/2 BPSK	1	104	22.57	22.68	22.61			
20	1/2 BPSK	50	0	22.09	21.98	22.10	23.5	0.5	
20	1/2 BPSK	50	28	22.50	22.51	22.57	24.0	0.0	
20	1/2 BPSK	50	56	22.05	22.09	22.06			
20	1/2 BPSK	100	0	22.16	22.13	22.08	23.5	0.5	
20	QPSK	1	1	22.66	22.68	22.59			
20	QPSK	1	53	22.66	22.53	22.59	24.0	0.0	
20	QPSK	1	104	22.42	22.46	22.45			
20	QPSK	50	0	21.54	21.52	21.51	23.0	1.0	
20	QPSK	50	28	22.54	22.65	22.63	24.0	0.0	
20	QPSK	50	56	21.57	21.55	21.66	23.0	1.0	
20	QPSK	100	0	21.66	21.70	21.68			
20	16QAM	1	1	21.59	21.61	21.55	23.0	1.0	
20	64QAM	1	1	20.17	20.15	20.17	21.5	2.5	
20	256QAM	1	1	18.17	18.17	18.33	19.5	4.5	
Channel				166300	167300	168300	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)	
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up	MPR	
Frequency (MHz)				829	836.5	844	limit	(dB)	
10	QPSK	1	1	22.53	22.66	22.51	24.0	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)	
5	QPSK	1	1	22.59	22.55	22.56	24.0	0.0	

n26 Ant 0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	22.60	22.56	22.59			
20	1/2 BPSK	1	53	22.56	22.49	22.44	24.0	0.0	
20	1/2 BPSK	1	104	22.51	22.66	22.61			
20	1/2 BPSK	50	0	22.04	22.00	22.09	23.5	0.5	
20	1/2 BPSK	50	28	22.39	22.43	22.60	24.0	0.0	
20	1/2 BPSK	50	56	22.03	22.05	22.08			
20	1/2 BPSK	100	0	22.04	22.08	21.98	23.5	0.5	
20	QPSK	1	1	22.67	22.68	22.65			
20	QPSK	1	53	22.65	22.47	22.47	24.0	0.0	
20	QPSK	1	104	22.38	22.37	22.33			
20	QPSK	50	0	21.57	21.52	21.49	23.0	1.0	
20	QPSK	50	28	22.58	22.64	22.58	24.0	0.0	
20	QPSK	50	56	21.53	21.51	21.61	23.0	1.0	
20	QPSK	100	0	21.54	21.62	21.59			
20	16QAM	1	1	21.50	21.49	21.51	23.0	1.0	
20	64QAM	1	1	20.24	20.13	20.19	21.5	2.5	
20	256QAM	1	1	18.20	18.20	18.37	19.5	4.5	
Channel				164300	166300	168300	Tune-up	MPR	
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)	
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up	MPR	
Frequency (MHz)				818	831.5	844	limit	(dB)	
10	QPSK	1	1	22.61	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up	MPR	
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)	
5	QPSK	1	1	22.54	22.64	22.45	24.0	0.0	

n71 Ant 0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	1/2 BPSK	1	1	22.51	22.52	22.55			
20	1/2 BPSK	1	53	22.48	22.54	22.33	24.0	0.0	
20	1/2 BPSK	1	104	22.52	22.55	22.48			
20	1/2 BPSK	50	0	22.02	21.92	21.83	23.5	0.5	
20	1/2 BPSK	50	28	22.42	22.46	22.44	24.0	0.0	
20	1/2 BPSK	50	56	21.92	22.04	21.94			
20	1/2 BPSK	100	0	22.07	21.96	22.01	23.5	0.5	
20	QPSK	1	1	22.54	22.57	22.63			
20	QPSK	1	53	22.52	22.44	22.52	24.0	0.0	
20	QPSK	1	104	22.33	22.40	22.27			
20	QPSK	50	0	21.41	21.41	21.37	23.0	1.0	
20	QPSK	50	28	22.46	22.55	22.54	24.0	0.0	
20	QPSK	50	56	21.42	21.49	21.49	23.0	1.0	
20	QPSK	100	0	21.57	21.58	21.57			
20	16QAM	1	1	21.48	21.55	21.37	23.0	1.0	
20	64QAM	1	1	20.15	20.04	20.10	21.5	2.5	
20	256QAM	1	1	18.22	18.15	18.28	19.5	4.5	
Channel				134100	136100	138100	Tune-up	MPR	
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)	
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up	MPR	
Frequency (MHz)				668	680.5	693	limit	(dB)	
10	QPSK	1	1	22.52	22.44	22.44	24.0	0.0	
Channel				133100	136100	139100	Tune-up	MPR	
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)	
5	QPSK	1	1	22.49	22.42	22.45	24.0	0.0	



n38 Ant 0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
	Channel			518004	519000	519996				
	Frequency (MHz)			2590.02	2595	2599.98				
40	1/2 BPSK	1	1	22.61	22.62	22.53	24.0	0.0		
40	1/2 BPSK	1	53	22.70	22.63	22.64				
40	1/2 BPSK	1	104	22.67	22.71	22.66				
40	1/2 BPSK	50	0	22.20	22.15	22.26	23.5	0.5		
40	1/2 BPSK	50	28	22.61	22.57	22.71	24.0	0.0		
40	1/2 BPSK	50	56	22.07	22.19	22.23	23.5	0.5		
40	1/2 BPSK	100	0	22.27	22.23	22.26				
40	QPSK	1	1	22.73	22.75	22.69				
40	QPSK	1	53	22.69	22.63	22.66	24.0	0.0		
40	QPSK	1	104	22.58	22.52	22.52	23.0	1.0		
40	QPSK	50	0	21.66	21.66	21.58	23.0	1.0		
40	QPSK	50	28	22.67	22.69	22.67	24.0	0.0		
40	QPSK	50	56	21.68	21.57	21.75	23.0	1.0		
40	QPSK	100	0	21.76	21.81	21.80	23.0	1.0		
40	16QAM	1	1	21.72	21.74	21.69	23.0	1.0		
40	64QAM	1	1	20.14	20.05	20.25	21.5	2.5		
40	256QAM	1	1	18.25	18.08	18.24	19.5	4.5		
	Channel			517002	518000	520998	Tune-up	MPR		
	Frequency (MHz)			2585.01	2595	2604.99	limit			
30	QPSK	1	1	22.71	22.66	22.65	24.0	0.0		
	Channel			516504	519000	521496	Tune-up	MPR		
	Frequency (MHz)			2582.52	2595	2607.48	limit			
25	QPSK	1	1	22.72	22.65	22.53	24.0	0.0		
	Channel			516000	519000	522000	Tune-up	MPR		
	Frequency (MHz)			2580	2595	2610	limit			
20	QPSK	1	1	22.72	22.65	22.53	24.0	0.0		
	Channel			515502	519000	522498	Tune-up	MPR		
	Frequency (MHz)			2577.51	2595	2612.49	limit			
15	QPSK	1	1	22.60	22.65	22.53	24.0	0.0		
	Channel			515004	519000	522996	Tune-up	MPR		
	Frequency (MHz)			2575.02	2595	2614.98	limit			
10	QPSK	1	1	22.69	22.71	22.52	24.0	0.0		

n41 Ant 0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
	Channel			509202	518598	528000				
	Frequency (MHz)			2546.01	2592.99	2640				
100	1/2 BPSK	1	1	22.63	22.61	22.49	24.0	0.0		
100	1/2 BPSK	1	137	22.69	22.59	22.57				
100	1/2 BPSK	1	271	22.64	22.66	22.70				
100	1/2 BPSK	135	0	22.18	22.09	22.20	23.5	0.5		
100	1/2 BPSK	135	69	22.66	22.62	22.71	24.0	0.0		
100	1/2 BPSK	135	138	22.08	22.21	22.30	23.5	0.5		
100	1/2 BPSK	270	0	22.29	22.20	22.25				
100	QPSK	1	1	22.73	22.78	22.75				
100	QPSK	1	137	22.71	22.63	22.59	24.0	0.0		
100	QPSK	1	271	22.53	22.59	22.56				
100	QPSK	135	0	21.67	21.70	21.51	23.0	1.0		
100	QPSK	135	69	22.69	22.74	22.69	24.0	0.0		
100	QPSK	135	138	21.64	21.56	21.79	23.0	1.0		
100	QPSK	270	0	21.81	21.82	21.80	23.0	1.0		
100	16QAM	1	1	21.77	21.75	21.75	23.0	1.0		
100	64QAM	1	1	20.22	20.09	20.19	21.5	2.5		
100	256QAM	1	1	18.21	18.22	18.25	19.5	4.5		
	Channel			508200	518598	526998	Tune-up	MPR		
	Frequency (MHz)			2541	2592.99	2644.98	limit			
90	QPSK	1	1	22.65	22.74	22.65	24.0	0.0		
	Channel			507204	518598	529998	Tune-up	MPR		
	Frequency (MHz)			2538.02	2592.99	2649.99	limit			
80	QPSK	1	1	22.72	22.65	22.55	24.0	0.0		
	Channel			506202	518598	531000	Tune-up	MPR		
	Frequency (MHz)			2531.01	2592.99	2656	limit			
70	QPSK	1	1	22.63	22.62	22.53	24.0	0.0		
	Channel			505200	518598	531996	Tune-up	MPR		
	Frequency (MHz)			2526	2592.99	2659.98	limit			
60	QPSK	1	1	22.65	22.67	22.60	24.0	0.0		
	Channel			504204	518598	532998	Tune-up	MPR		
	Frequency (MHz)			2521.02	2592.99	2664.99	limit			
50	QPSK	1	1	22.62	22.75	22.59	24.0	0.0		
	Channel			503202	518598	534000	Tune-up	MPR		
	Frequency (MHz)			2516.01	2592.99	2670	limit			
40	QPSK	1	1	22.67	22.75	22.59	24.0	0.0		
	Channel			502200	518598	534996	Tune-up	MPR		
	Frequency (MHz)			2511	2592.99	2674.98	limit			
30	QPSK	1	1	22.65	22.71	22.65	24.0	0.0		
	Channel			501204	518598	535998	Tune-up	MPR		
	Frequency (MHz)			2506.02	2592.99	2679.99	limit			
25	QPSK	1	1	22.67	22.67	22.65	24.0	0.0		
	Channel			501204	518598	535998	Tune-up	MPR		
	Frequency (MHz)			2506.02	2592.99	2679.99	limit			
20	QPSK	1	1	22.73	22.73	22.66	24.0	0.0		
	Channel			500700	518598	536996	Tune-up	MPR		
	Frequency (MHz)			2503.5	2592.99	2682.48	limit			
15	QPSK	1	1	22.73	22.69	22.59	24.0	0.0		
	Channel			500202	518598	537000	Tune-up	MPR		
	Frequency (MHz)			2501.01	2592.99	2685	limit			
10	QPSK	1	1	22.60	22.70	22.52	24.0	0.0		



n2 Ant 1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
	Channel			374000	376000	378000				
	Frequency (MHz)			1870	1880	1890				
40	1/2 BPSK	1	1	22.49	22.57	22.46				
40	1/2 BPSK	1	108	22.70	22.85	22.57	24.0	0.0		
40	1/2 BPSK	1	214	22.63	22.62	22.58				
40	1/2 BPSK	108	0	22.08	22.10	22.23	23.5	0.5		
40	1/2 BPSK	108	54	22.59	22.47	22.66	24.0	0.0		
40	1/2 BPSK	108	108	21.98	22.09	22.16	23.5	0.5		
40	1/2 BPSK	216	0	22.15	22.17	22.14				
40	QPSK	1	1	22.71	22.73	22.69				
40	QPSK	1	108	22.59	22.58	22.59	24.0	0.0		
40	QPSK	1	214	22.57	22.45	22.52				
40	QPSK	108	0	21.59	21.57	21.47	23.0	1.0		
40	QPSK	108	54	22.69	22.71	22.68	24.0	0.0		
40	QPSK	108	108	21.65	21.55	21.65	23.0	1.0		
40	QPSK	216	0	21.68	21.63	21.70	23.0	1.0		
40	16QAM	1	1	21.70	21.75	21.61	23.0	1.0		
40	64QAM	1	1	20.17	20.15	20.20	21.5	2.5		
40	256QAM	1	1	18.17	18.20	18.32	19.5	4.5		
	Channel			373300	376000	378500	Tune-up limit (dB)	MPR		
	Frequency (MHz)			1867.5	1880	1892.5				
35	QPSK	1	1	22.67	22.69	22.58	24.0	0.0		
	Channel			373000	376000	379000	Tune-up limit (dB)	MPR		
	Frequency (MHz)			1895	1880	1895				
30	QPSK	1	1	22.60	22.71	22.55	24.0	0.0		
	Channel			372500	376000	379500	Tune-up limit (dB)	MPR		
	Frequency (MHz)			1892.5	1880	1897.5				
25	QPSK	1	1	22.62	22.64	22.53	24.0	0.0		
	Channel			372000	376000	380000	Tune-up limit (dB)	MPR		
	Frequency (MHz)			1880	1880	1900				
20	QPSK	1	1	22.63	22.61	22.63	24.0	0.0		
	Channel			371500	376000	381000	Tune-up limit (dB)	MPR		
	Frequency (MHz)			1857.5	1880	1902.5				
15	QPSK	1	1	22.68	22.60	22.58	24.0	0.0		
	Channel			371000	376000	381000	Tune-up limit (dB)	MPR		
	Frequency (MHz)			1895	1880	1905				
10	QPSK	1	1	22.68	22.59	22.47	24.0	0.0		
	Channel			370500	376000	381500	Tune-up limit (dB)	MPR		
	Frequency (MHz)			1892.5	1880	1897.5				
5	QPSK	1	1	22.68	22.68	22.55	24.0	0.0		

n5 Ant 1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
	Channel			166800	167300	167800				
	Frequency (MHz)			834	836.5	839				
20	1/2 BPSK	1	1	22.24	22.32	22.30				
20	1/2 BPSK	1	53	22.47	22.34	22.28	24.0	0.0		
20	1/2 BPSK	1	104	22.44	22.37	22.36				
20	1/2 BPSK	50	0	21.86	21.88	21.99	23.5	0.5		
20	1/2 BPSK	50	28	22.26	22.29	22.39	24.0	0.0		
20	1/2 BPSK	50	56	21.83	21.90	21.94	23.5	0.5		
20	1/2 BPSK	100	0	22.02	21.89	21.98				
20	QPSK	1	1	22.44	22.48	22.43				
20	QPSK	1	53	22.46	22.40	22.31	24.0	0.0		
20	QPSK	1	104	22.34	22.27	22.29				
20	QPSK	50	0	21.30	21.44	21.34	23.0	1.0		
20	QPSK	50	28	22.39	22.47	22.34	24.0	0.0		
20	QPSK	50	56	21.45	21.34	21.41	23.0	1.0		
20	QPSK	100	0	21.44	21.53	21.52	23.0	1.0		
20	16QAM	1	1	21.45	21.37	21.31	23.0	1.0		
20	64QAM	1	1	20.15	20.13	20.17	21.5	2.5		
20	256QAM	1	1	18.12	18.12	18.23	19.5	4.5		
	Channel			166300	167300	168300	Tune-up limit (dB)	MPR		
	Frequency (MHz)			831.5	836.5	841.5				
15	QPSK	1	1	22.29	22.45	22.36	24.0	0.0		
	Channel			165800	167300	168800	Tune-up limit (dB)	MPR		
	Frequency (MHz)			832	836.5	844				
10	QPSK	1	1	22.32	22.46	22.27	24.0	0.0		
	Channel			165300	167300	169300	Tune-up limit (dB)	MPR		
	Frequency (MHz)			826.5	836.5	846.5				
5	QPSK	1	1	22.59	22.44	22.25	24.0	0.0		

n7 Ant 1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
	Channel			504000	507000	510000				
	Frequency (MHz)			2520	2535	2550				
40	1/2 BPSK	1	1	22.48	22.55	22.55				
40	1/2 BPSK	1	108	22.62	22.59	22.53	24.0	0.0		
40	1/2 BPSK	1	214	22.59	22.64	22.63				
40	1/2 BPSK	108	0	22.15	22.00	22.19	23.5	0.5		
40	1/2 BPSK	108	54	22.50	22.41	22.55	24.0	0.0		
40	1/2 BPSK	108	108	21.94	22.08	22.06	23.5	0.5		
40	1/2 BPSK	216	0	22.24	22.11	22.16				
40	QPSK	1	1	22.64	22.72	22.68				
40	QPSK	1	108	22.61	22.51	22.62	24.0	0.0		
40	QPSK	1	214	22.51	22.46	22.46				
40	QPSK	108	0	21.52	21.52	21.42	23.0	1.0		
40	QPSK	108	54	22.59	22.67	22.63	24.0	0.0		
40	QPSK	108	108	21.61	21.43	21.70	23.0	1.0		
40	QPSK	216	0	21.67	21.73	21.71	23.0	1.0		
40	16QAM	1	1	21.58	21.64	21.67	23.0	1.0		
40	64QAM	1	1	20.21	20.12	20.18	21.5	2.5		
40	256QAM	1	1	18.26	18.09	18.46	19.5	4.5		
	Channel			503000	507000	511000	Tune-up limit (dB)	MPR		
	Frequency (MHz)			2515	2535	2555				
30	QPSK	1	1	22.67	22.59	22.42	24.0	0.0		
	Channel			502500	507000	511500	Tune-up limit (dB)	MPR		
	Frequency (MHz)			2512.5	2535	2557.5				
25	QPSK	1	1	22.59	22.60	22.45	24.0	0.0		
	Channel			502000	507000	512000	Tune-up limit (dB)	MPR		
	Frequency (MHz)			2510	2535	2550				
20	QPSK	1	1	22.54	22.59	22.55	24.0	0.0		
	Channel			501500	507000	512500	Tune-up limit (dB)	MPR		
	Frequency (MHz)			2507.5	2535	2562.5				
15	QPSK	1	1	22.58	22.65	22.41	24.0	0.0		
	Channel			501000	507000	513000	Tune-up limit (dB)	MPR		
	Frequency (MHz)			2505	2535	2565				
10	QPSK	1	1	22.59	22.59	22.43	24.0	0.0		
	Channel			500500	507000	513500	Tune-up limit (dB)	MPR		
	Frequency (MHz)			2502.5	2535	2567.5				
5	QPSK	1	1	22.53	22.54	22.46	24.0	0.0		



n26 Ant 1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	168300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.44	22.39	22.46				
20	1/2 BPSK	1	53	22.40	22.45	22.45	24.0	0.0		
20	1/2 BPSK	1	104	22.37	22.45	22.37				
20	1/2 BPSK	50	0	21.89	21.91	22.07	23.5	0.5		
20	1/2 BPSK	50	28	22.43	22.33	22.46	24.0	0.0		
20	1/2 BPSK	50	56	21.88	21.97	22.06				
20	1/2 BPSK	100	0	22.01	22.06	21.94	23.5	0.5		
20	QPSK	1	1	22.47	22.50	22.44				
20	QPSK	1	53	22.43	22.46	22.38	24.0	0.0		
20	QPSK	1	104	22.35	22.24	22.35				
20	QPSK	50	0	21.40	21.48	21.32	23.0	1.0		
20	QPSK	50	28	22.41	22.49	22.47	24.0	0.0		
20	QPSK	50	56	21.40	21.38	21.58				
20	QPSK	100	0	21.58	21.59	21.56	23.0	1.0		
20	16QAM	1	1	21.92	21.50	21.47	23.0	1.0		
20	64QAM	1	1	20.27	20.15	20.09	21.5	2.5		
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164300	168300	168300	Tune-up	MPR		
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)		
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0		
Channel				163800	168300	168800	Tune-up	MPR		
Frequency (MHz)				819	831.5	844	limit	(dB)		
10	QPSK	1	1	22.46	22.44	22.33	24.0	0.0		
Channel				163300	168300	169300	Tune-up	MPR		
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)		
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		

n66 Ant 1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	22.57	22.48	22.43				
40	1/2 BPSK	1	108	22.64	22.53	22.44	24.0	0.0		
40	1/2 BPSK	1	214	22.61	22.61	22.52				
40	1/2 BPSK	108	0	21.98	22.10	22.22	23.5	0.5		
40	1/2 BPSK	108	54	22.64	22.44	22.57	24.0	0.0		
40	1/2 BPSK	108	108	21.97	22.09	22.15				
40	1/2 BPSK	216	0	22.11	22.20	22.07	23.5	0.5		
40	QPSK	1	1	22.65	22.69	22.63				
40	QPSK	1	108	22.66	22.60	22.53	24.0	0.0		
40	QPSK	1	214	22.49	22.46	22.52				
40	QPSK	108	0	21.53	21.70	21.46	23.0	1.0		
40	QPSK	108	54	22.55	22.65	22.63	24.0	0.0		
40	QPSK	108	108	21.63	21.59	21.70				
40	QPSK	216	0	21.67	21.75	21.69	23.0	1.0		
40	16QAM	1	1	21.65	21.65	21.66	23.0	1.0		
40	64QAM	1	1	20.40	20.25	20.22	21.5	2.5		
40	256QAM	1	1	18.36	18.27	18.34	19.5	4.5		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	22.39	22.50	22.47	24.0	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	22.43	22.57	22.40	24.0	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	22.39	22.47	22.42	24.0	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	22.38	22.55	22.32	24.0	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	22.43	22.45	22.35	24.0	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	22.44	22.48	22.45	24.0	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	22.46	22.45	22.45	24.0	0.0		

n71 Ant 1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	138100	137600				
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.45	22.44	22.46				
20	1/2 BPSK	1	53	22.42	22.53	22.46	24.0	0.0		
20	1/2 BPSK	1	104	22.43	22.48	22.37				
20	1/2 BPSK	50	0	21.77	21.95	22.05	23.5	0.5		
20	1/2 BPSK	50	28	22.37	22.45	22.47	24.0	0.0		
20	1/2 BPSK	50	56	21.79	21.83	21.87				
20	1/2 BPSK	100	0	21.38	21.93	21.85	23.5	0.5		
20	QPSK	1	1	22.46	22.54	22.49				
20	QPSK	1	53	22.42	22.35	22.39	24.0	0.0		
20	QPSK	1	104	22.29	22.32	22.38				
20	QPSK	50	0	21.38	21.68	21.26	23.0	1.0		
20	QPSK	50	28	22.43	22.49	22.44	24.0	0.0		
20	QPSK	50	56	21.39	21.41	21.53				
20	QPSK	100	0	21.45	21.59	21.42	23.0	1.0		
20	16QAM	1	1	21.48	21.41	21.41	23.0	1.0		
20	64QAM	1	1	20.21	20.08	20.02	21.5	2.5		
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	138100	138100	Tune-up	MPR		
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)		
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0		
Channel				133600	138100	138600	Tune-up	MPR		
Frequency (MHz)				668	680.5	692	limit	(dB)		
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	138100	139100	Tune-up	MPR		
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)		
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		



n38 Ant 1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.74	22.81	22.75			
40	1/2 BPSK	1	53	22.77	22.80	22.76	24.0	0.0	
40	1/2 BPSK	1	104	22.73	22.78	22.67			
40	1/2 BPSK	50	0	22.04	22.22	22.30	23.5	0.5	
40	1/2 BPSK	50	28	22.64	22.82	22.73	24.0	0.0	
40	1/2 BPSK	50	56	22.15	22.13	22.34			
40	1/2 BPSK	100	0	22.25	22.18	22.09	23.5	0.5	
40	QPSK	1	1	22.86	22.88	22.83			
40	QPSK	1	53	22.77	22.71	22.63	24.0	0.0	
40	QPSK	1	104	22.67	22.55	22.72			
40	QPSK	50	0	21.72	21.81	21.82	23.0	1.0	
40	QPSK	50	28	22.72	22.85	22.80	24.0	0.0	
40	QPSK	50	56	21.62	21.78	21.89			
40	QPSK	100	0	21.81	21.84	21.68	23.0	1.0	
40	16QAM	1	1	21.77	21.72	21.76	23.0	1.0	
40	64QAM	1	1	20.49	20.40	20.25	21.5	2.5	
40	256QAM	1	1	18.49	18.48	18.47	19.5	4.5	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.98	limit		
30	QPSK	1	1	22.72	22.78	22.76	24.0	0.0	
	Channel			516504	518000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit		
25	QPSK	1	1	22.64	22.72	22.76	24.0	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit		
20	QPSK	1	1	22.72	22.72	22.70	24.0	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit		
15	QPSK	1	1	22.60	22.68	22.64	24.0	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit		
10	QPSK	1	1	22.61	22.68	22.71	24.0	0.0	

n41 Ant 1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.81	22.70	22.71			
100	1/2 BPSK	1	137	22.68	22.76	22.80	24.0	0.0	
100	1/2 BPSK	1	271	22.75	22.76	22.75			
100	1/2 BPSK	135	0	22.08	22.27	22.32	23.5	0.5	
100	1/2 BPSK	135	69	22.72	22.82	22.74	24.0	0.0	
100	1/2 BPSK	135	138	22.06	22.18	22.19			
100	1/2 BPSK	270	0	22.21	22.26	22.09	23.5	0.5	
100	QPSK	1	1	22.83	22.98	22.89			
100	QPSK	1	137	22.71	22.82	22.63	24.0	0.0	
100	QPSK	1	271	22.55	22.65	22.66			
100	QPSK	135	0	21.75	21.93	21.90	23.0	1.0	
100	QPSK	135	69	22.77	22.85	22.79	24.0	0.0	
100	QPSK	135	138	21.61	21.69	21.78			
100	QPSK	270	0	21.79	21.96	21.88	23.0	1.0	
100	16QAM	1	1	21.70	21.73	21.67	23.0	1.0	
100	64QAM	1	1	20.53	20.36	20.39	21.5	2.5	
100	256QAM	1	1	18.42	18.49	18.33	19.5	4.5	
	Channel			508200	518598	528998	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit		
90	QPSK	1	1	22.72	22.78	22.74	24.0	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit		
80	QPSK	1	1	22.62	22.73	22.75	24.0	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2655	limit		
70	QPSK	1	1	22.52	22.54	22.47	24.0	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit		
60	QPSK	1	1	22.62	22.52	22.64	24.0	0.0	
	Channel			504204	518598	532996	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit		
50	QPSK	1	1	22.62	22.69	22.65	24.0	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit		
40	QPSK	1	1	22.60	22.76	22.71	24.0	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit		
30	QPSK	1	1	22.65	22.79	22.65	24.0	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
25	QPSK	1	1	22.65	22.31	22.75	24.0	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
20	QPSK	1	1	22.71	22.82	22.63	24.0	0.0	
	Channel			500200	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit		
15	QPSK	1	1	22.71	22.72	22.68	24.0	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit		
10	QPSK	1	1	22.66	22.72	22.76	24.0	0.0	



n2 Ant 2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	22.39	22.45	22.42				
40	1/2 BPSK	1	108	22.44	22.54	22.53	24.0	0.0		
40	1/2 BPSK	1	214	22.46	22.52	22.53				
40	1/2 BPSK	108	0	21.81	22.02	22.02	23.5	0.5		
40	1/2 BPSK	108	54	22.43	22.39	22.50	24.0	0.0		
40	1/2 BPSK	108	108	21.75	21.82	22.00				
40	1/2 BPSK	216	0	22.03	21.87	21.92	23.5	0.5		
40	QPSK	1	1	22.53	22.55	22.51				
40	QPSK	1	108	22.49	22.31	22.38	24.0	0.0		
40	QPSK	1	214	22.23	22.24	22.46				
40	QPSK	108	0	21.40	21.56	21.29	23.0	1.0		
40	QPSK	108	54	22.45	22.51	22.46	24.0	0.0		
40	QPSK	108	108	21.44	21.42	21.52				
40	QPSK	216	0	21.41	21.54	21.49	23.0	1.0		
40	16QAM	1	1	21.41	21.40	21.41	23.0	1.0		
40	64QAM	1	1	20.23	20.00	20.02	21.5	2.5		
40	256QAM	1	1	18.22	18.16	18.11	19.5	4.5		
Channel				373500	376000	378500	Tune-up	MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)		
35	QPSK	1	1	22.44	22.46	22.45	24.0	0.0		
Channel				373000	376000	379000	Tune-up	MPR		
Frequency (MHz)				1895	1880	1895	limit	(dB)		
30	QPSK	1	1	22.39	22.39	22.48	24.0	0.0		
Channel				372500	376000	379500	Tune-up	MPR		
Frequency (MHz)				1892.5	1880	1897.5	limit	(dB)		
25	QPSK	1	1	22.49	22.49	22.39	24.0	0.0		
Channel				372000	376000	380000	Tune-up	MPR		
Frequency (MHz)				1880	1880	1900	limit	(dB)		
20	QPSK	1	1	22.43	22.42	22.47	24.0	0.0		
Channel				371500	376000	380500	Tune-up	MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)		
15	QPSK	1	1	22.46	22.40	22.41	24.0	0.0		
Channel				371000	376000	381000	Tune-up	MPR		
Frequency (MHz)				1895	1880	1905	limit	(dB)		
10	QPSK	1	1	22.51	22.49	22.38	24.0	0.0		
Channel				370500	376000	381500	Tune-up	MPR		
Frequency (MHz)				1892.5	1880	1907.5	limit	(dB)		
5	QPSK	1	1	22.33	22.44	22.43	24.0	0.0		

n7 Ant 2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	22.53	22.50	22.39				
40	1/2 BPSK	1	108	22.49	22.51	22.43	24.0	0.0		
40	1/2 BPSK	1	214	22.49	22.52	22.43				
40	1/2 BPSK	108	0	21.79	21.99	22.08	23.5	0.5		
40	1/2 BPSK	108	54	22.39	22.52	22.48	24.0	0.0		
40	1/2 BPSK	108	108	21.85	21.76	22.01				
40	1/2 BPSK	216	0	21.91	21.86	21.78	23.5	0.5		
40	QPSK	1	1	22.47	22.56	22.50				
40	QPSK	1	108	22.49	22.29	22.40	24.0	0.0		
40	QPSK	1	214	22.29	22.28	22.45				
40	QPSK	108	0	21.38	21.56	21.24	23.0	1.0		
40	QPSK	108	54	22.45	22.52	22.48	24.0	0.0		
40	QPSK	108	108	21.33	21.42	21.50				
40	QPSK	216	0	21.45	21.52	21.43	23.0	1.0		
40	16QAM	1	1	21.44	21.38	21.49	23.0	1.0		
40	64QAM	1	1	20.21	20.13	19.98	21.5	2.5		
40	256QAM	1	1	18.21	18.12	18.03	19.5	4.5		
Channel				503500	507000	510500	Tune-up	MPR		
Frequency (MHz)				2515	2535	2555	limit	(dB)		
30	QPSK	1	1	22.45	22.48	22.40	24.0	0.0		
Channel				502500	507000	511500	Tune-up	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)		
25	QPSK	1	1	22.45	22.51	22.46	24.0	0.0		
Channel				502000	507000	512000	Tune-up	MPR		
Frequency (MHz)				2510	2535	2560	limit	(dB)		
20	QPSK	1	1	22.47	22.42	22.45	24.0	0.0		
Channel				501500	507000	512500	Tune-up	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)		
15	QPSK	1	1	22.43	22.49	22.51	24.0	0.0		
Channel				501000	507000	513000	Tune-up	MPR		
Frequency (MHz)				2505	2535	2565	limit	(dB)		
10	QPSK	1	1	22.42	22.37	22.48	24.0	0.0		
Channel				500500	507000	513500	Tune-up	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)		
5	QPSK	1	1	22.45	22.49	22.45	24.0	0.0		

n66 Ant 2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				348000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	22.51	22.41	22.54				
40	1/2 BPSK	1	108	22.39	22.64	22.49	24.0	0.0		
40	1/2 BPSK	1	214	22.52	22.51	22.41				
40	1/2 BPSK	108	0	21.90	22.07	22.17	23.5	0.5		
40	1/2 BPSK	108	54	22.49	22.42	22.56	24.0	0.0		
40	1/2 BPSK	108	108	21.78	21.94	21.95				
40	1/2 BPSK	216	0	21.96	21.93	21.83	23.5	0.5		
40	QPSK	1	1	22.64	22.66	22.61				
40	QPSK	1	108	22.45	22.36	22.40	24.0	0.0		
40	QPSK	1	214	22.32	22.42	22.42				
40	QPSK	108	0	21.49	21.51	21.29	23.0	1.0		
40	QPSK	108	54	22.45	22.58	22.47	24.0	0.0		
40	QPSK	108	108	21.46	21.42	21.52				
40	QPSK	216	0	21.46	21.55	21.52	23.0	1.0		
40	16QAM	1	1	21.56	21.52	21.54	23.0	1.0		
40	64QAM	1	1	20.23	20.17	20.10	21.5	2.5		
40	256QAM	1	1	18.12	18.21	18.13	19.5	4.5		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	22.46	22.54	22.51	24.0	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	22.48	22.46	22.56	24.0	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	22.40	22.51	22.52	24.0	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	22.43	22.52	22.44	24.0	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	22.55	22.51	22.47	24.0	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	22.48	22.45	22.53	24.0	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	22.56	22.53	22.45	24.0	0.0		



n38 Ant 2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.53	22.44	22.56	24.0	0.0	
40	1/2 BPSK	1	53	22.43	22.59	22.54			
40	1/2 BPSK	1	104	22.40	22.55	22.38			
40	1/2 BPSK	50	0	21.78	21.98	22.06	23.5	0.5	
40	1/2 BPSK	50	28	22.39	22.56	22.58	24.0	0.0	
40	1/2 BPSK	50	56	21.88	21.92	22.07			
40	1/2 BPSK	100	0	22.07	21.94	21.93	23.5	0.5	
40	QPSK	1	1	22.54	22.61	22.56			
40	QPSK	1	53	22.54	22.42	22.47	24.0	0.0	
40	QPSK	1	104	22.37	22.37	22.37			
40	QPSK	50	0	21.43	21.63	21.32	23.0	1.0	
40	QPSK	50	28	22.54	22.58	22.46	24.0	0.0	
40	QPSK	50	56	21.43	21.45	21.57			
40	QPSK	100	0	21.50	21.59	21.54	23.0	1.0	
40	16QAM	1	1	21.53	21.54	21.52	23.0	1.0	
40	64QAM	1	1	20.33	20.11	20.10	21.5	2.5	
40	256QAM	1	1	18.26	18.17	18.17	19.5	4.5	
	Channel			517002	518000	520998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2585.01	2595	2604.99	24.0	0.0	
30	QPSK	1	1	22.57	22.46	22.47	24.0	0.0	
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	24.0	0.0	
25	QPSK	1	1	22.53	22.48	22.50	24.0	0.0	
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2580	2595	2610	24.0	0.0	
20	QPSK	1	1	22.51	22.57	22.52	24.0	0.0	
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	24.0	0.0	
15	QPSK	1	1	22.45	22.43	22.50	24.0	0.0	
	Channel			515004	519000	522996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	24.0	0.0	
10	QPSK	1	1	22.49	22.56	22.56	24.0	0.0	

n41 Ant 2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.43	22.51	22.56	24.0	0.0	
100	1/2 BPSK	1	137	22.39	22.53	22.52			
100	1/2 BPSK	1	271	22.51	22.58	22.46			
100	1/2 BPSK	135	0	21.82	21.99	22.10	23.5	0.5	
100	1/2 BPSK	135	69	22.39	22.55	22.59	24.0	0.0	
100	1/2 BPSK	135	138	21.86	21.85	22.08			
100	1/2 BPSK	270	0	22.06	21.92	21.88	23.5	0.5	
100	QPSK	1	1	22.58	22.62	22.55			
100	QPSK	1	137	22.52	22.43	22.38	24.0	0.0	
100	QPSK	1	271	22.37	22.40	22.37			
100	QPSK	135	0	21.38	21.98	21.36	23.0	1.0	
100	QPSK	135	69	22.47	22.53	22.45	24.0	0.0	
100	QPSK	135	138	21.40	21.45	21.61			
100	QPSK	270	0	21.47	21.59	21.45	23.0	1.0	
100	16QAM	1	1	21.57	21.38	21.53	23.0	1.0	
100	64QAM	1	1	20.28	20.15	20.07	21.5	2.5	
100	256QAM	1	1	18.22	18.16	18.10	19.5	4.5	
	Channel			508200	518598	528996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	24.0	0.0	
90	QPSK	1	1	22.46	22.52	22.49	24.0	0.0	
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	24.0	0.0	
80	QPSK	1	1	22.52	22.51	22.47	24.0	0.0	
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	24.0	0.0	
70	QPSK	1	1	22.54	22.43	22.51	24.0	0.0	
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2528	2592.99	2659.98	24.0	0.0	
60	QPSK	1	1	22.55	22.45	22.45	24.0	0.0	
	Channel			504204	518598	532996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	24.0	0.0	
50	QPSK	1	1	22.50	22.49	22.58	24.0	0.0	
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	24.0	0.0	
40	QPSK	1	1	22.51	22.42	22.43	24.0	0.0	
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	24.0	0.0	
30	QPSK	1	1	22.42	22.49	22.55	24.0	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	24.0	0.0	
25	QPSK	1	1	22.54	22.41	22.44	24.0	0.0	
	Channel			501204	518598	536998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	24.0	0.0	
20	QPSK	1	1	22.51	22.53	22.58	24.0	0.0	
	Channel			500700	518598	537996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	24.0	0.0	
15	QPSK	1	1	22.58	22.42	22.44	24.0	0.0	
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	24.0	0.0	
10	QPSK	1	1	22.44	22.53	22.56	24.0	0.0	



n38 Ant 3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.47	22.44	22.52	24.0	0.0	
40	1/2 BPSK	1	53	22.49	22.61	22.57			
40	1/2 BPSK	1	104	22.47	22.56	22.49			
40	1/2 BPSK	50	0	21.89	22.05	22.06	23.5	0.5	
40	1/2 BPSK	50	28	22.40	22.44	22.56	24.0	0.0	
40	1/2 BPSK	50	56	21.90	21.84	22.07	23.5	0.5	
40	1/2 BPSK	100	0	22.06	21.98	21.96			
40	QPSK	1	1	22.59	22.63	22.52			
40	QPSK	1	53	22.50	22.36	22.42	24.0	0.0	
40	QPSK	1	104	22.41	22.36	22.38			
40	QPSK	50	0	21.36	21.68	21.29	23.0	1.0	
40	QPSK	50	28	22.54	22.57	22.50	24.0	0.0	
40	QPSK	50	56	21.51	21.50	21.55			
40	QPSK	100	0	21.49	21.58	21.48	23.0	1.0	
40	16QAM	1	1	21.59	21.41	21.48	23.0	1.0	
40	64QAM	1	1	20.25	20.09	20.14	21.5	2.5	
40	256QAM	1	1	18.14	18.17	18.09	19.5	4.5	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.98	limit		
30	QPSK	1	1	22.45	22.45	22.55	24.0	0.0	
	Channel			516504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit		
25	QPSK	1	1	22.46	22.45	22.59	24.0	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit		
20	QPSK	1	1	22.43	22.50	22.44	24.0	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit		
15	QPSK	1	1	22.57	22.56	22.54	24.0	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit		
10	QPSK	1	1	22.48	22.56	22.46	24.0	0.0	

n41 Ant 3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.50	22.51	22.64	24.0	0.0	
100	1/2 BPSK	1	137	22.45	22.64	22.55			
100	1/2 BPSK	1	271	22.58	22.60	22.61			
100	1/2 BPSK	135	0	21.93	22.03	22.15	23.5	0.5	
100	1/2 BPSK	135	69	22.46	22.52	22.61	24.0	0.0	
100	1/2 BPSK	135	138	21.89	21.99	22.03	23.5	0.5	
100	1/2 BPSK	270	0	22.09	22.03	21.98			
100	QPSK	1	1	22.62	22.75	22.65			
100	QPSK	1	137	22.58	22.41	22.54	24.0	0.0	
100	QPSK	1	271	22.37	22.41	22.46			
100	QPSK	135	0	21.66	21.72	21.32	23.0	1.0	
100	QPSK	135	69	22.57	22.68	22.65	24.0	0.0	
100	QPSK	135	138	21.51	21.54	21.59	23.0	1.0	
100	QPSK	270	0	21.58	21.67	21.57			
100	16QAM	1	1	21.53	21.53	21.43	23.0	1.0	
100	64QAM	1	1	20.39	20.22	20.10	21.5	2.5	
100	256QAM	1	1	18.21	18.20	18.23	19.5	4.5	
	Channel			506200	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit		
90	QPSK	1	1	22.61	22.60	22.56	24.0	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2644.99	limit		
80	QPSK	1	1	22.51	22.52	22.60	24.0	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit		
70	QPSK	1	1	22.43	22.57	22.63	24.0	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit		
60	QPSK	1	1	22.61	22.55	22.45	24.0	0.0	
	Channel			504204	518598	532996	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit		
50	QPSK	1	1	22.53	22.48	22.56	24.0	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit		
40	QPSK	1	1	22.58	22.57	22.62	24.0	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit		
30	QPSK	1	1	22.65	22.51	22.56	24.0	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
25	QPSK	1	1	22.57	22.48	22.57	24.0	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
20	QPSK	1	1	22.50	22.52	22.48	24.0	0.0	
	Channel			500700	518598	537996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit		
15	QPSK	1	1	22.54	22.58	22.57	24.0	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit		
10	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	



Par270 n77 Ant 4 Default									
BW [MHz]	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	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	22.57	22.44	22.44			
100	1/2 BPSK	137	1	22.53	22.51	22.48	24.0	0.0	
100	1/2 BPSK	1	271	22.54	22.52	22.41			
100	1/2 BPSK	135	0	21.83	22.04	22.06	23.5	0.5	
100	1/2 BPSK	135	69	22.36	22.45	22.55	24.0	0.0	
100	1/2 BPSK	135	138	21.78	21.84	21.96			
100	1/2 BPSK	270	0	22.00	22.02	21.83	23.5	0.5	
100	QPSK	1	1	22.58	22.65	22.53			
100	QPSK	1	137	22.51	22.40	22.37	24.0	0.0	
100	QPSK	1	271	22.41	22.29	22.43			
100	QPSK	135	0	21.49	21.60	21.31	23.0	1.0	
100	QPSK	135	69	22.55	22.39	22.54	24.0	0.0	
100	QPSK	135	138	21.40	21.43	21.55			
100	QPSK	270	0	21.85	21.70	21.59	23.0	1.0	
100	16QAM	1	1	21.59	21.45	21.38	23.0	1.0	
100	16QAM	1	1	20.23	20.20	20.13	21.5	2.5	
100	256QAM	1	1	18.18	18.13	18.09	19.5	4.5	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.41	22.47	22.43	24.0	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.57	22.54	22.46	24.0	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.51	22.52	22.56	24.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.46	22.44	22.47	24.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.44	22.55	22.52	24.0	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.57	22.52	22.54	24.0	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.55	22.47	22.49	24.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	22.43	22.43	22.54	24.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
20	QPSK	1	1	22.59	22.46	22.53	24.0	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.47	22.44	22.55	24.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.43	22.45	22.58	24.0	0.0	

Par270 n77 HPUE Ant 4 Default									
BW [MHz]	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	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	25.52	23.14	24.80			
100	1/2 BPSK	1	137	25.52	23.21	24.75	26.5	0.0	
100	1/2 BPSK	1	271	25.56	23.22	24.79			
100	1/2 BPSK	135	0	24.89	22.63	24.23	26.0	0.5	
100	1/2 BPSK	135	69	25.45	23.17	24.74	26.5	0.0	
100	1/2 BPSK	135	138	24.85	22.64	24.13	26.0	0.5	
100	1/2 BPSK	270	0	25.15	22.69	24.31			
100	QPSK	1	1	25.57	23.25	24.82			
100	QPSK	1	137	25.45	23.13	24.80	26.5	0.0	
100	QPSK	1	271	25.39	23.05	24.73			
100	QPSK	135	0	24.45	22.34	23.75	25.5	1.0	
100	QPSK	135	69	25.53	23.21	24.81	26.5	0.0	
100	QPSK	135	138	24.57	22.18	23.72	25.5	1.0	
100	QPSK	270	0	24.60	22.32	23.92			
100	16QAM	1	1	24.52	22.08	23.83	25.5	1.0	
100	16QAM	1	1	23.24	20.86	22.62	24.0	2.5	
100	256QAM	1	1	21.25	18.82	20.57	22.0	4.5	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	25.50	23.20	24.85	26.5	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	25.45	23.11	24.68	26.5	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	25.39	23.18	24.66	26.5	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	25.41	23.10	24.78	26.5	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	25.50	23.10	24.83	26.5	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	25.42	23.17	24.85	26.5	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	25.49	23.15	24.80	26.5	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	25.40	23.22	24.72	26.5	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
20	QPSK	1	1	25.47	23.16	24.74	26.5	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	25.50	23.15	24.71	26.5	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	25.49	23.21	24.75	26.5	0.0	

Part270 n78 Ant 4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.5	0.5	
100	1/2 BPSK	135	69				24.0	0.0	
100	1/2 BPSK	135	138				23.5	0.5	
100	1/2 BPSK	270	0				23.0	1.0	
100	QPSK	1	1				24.0	0.0	
100	QPSK	1	137				24.0	0.0	
100	QPSK	1	271				24.0	0.0	
100	QPSK	135	0				23.0	1.0	
100	QPSK	135	69				23.0	1.0	
100	QPSK	135	138				23.0	1.0	
100	QPSK	270	0				23.0	1.0	
100	16QAM	1	1				23.0	1.0	
100	16QAM	1	1				21.5	2.5	
100	256QAM	1	1				19.5	4.5	
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.72	22.63	22.65	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.73	22.71	22.59	24.0	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.72	22.69	22.74	24.0	0.0	
	Channel			648668	650000	651334	Tune-up	MPR</	



Part270 n78 HPUE Ant 4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	650000	650000			
				Channel					
				Frequency (MHz)					
100	1/2 BPSK	1	1	3750	3750	3750			
100	1/2 BPSK	1	137		25.65				
100	1/2 BPSK	1	271		25.78		26.5	0.0	
100	1/2 BPSK	135	0		25.72				
100	1/2 BPSK	135	69		25.20		26.0	0.5	
100	1/2 BPSK	135	138		25.72				26.5 0.0
100	1/2 BPSK	270	0		25.06				
100	1/2 BPSK	270	138		25.20		26.0	0.5	
100	QPSK	1	1		25.86				
100	QPSK	1	137		25.58				
100	QPSK	1	271		25.53		26.5	0.0	
100	QPSK	135	0		24.88				
100	QPSK	135	69		25.65		26.5	0.0	
100	QPSK	135	138		24.60				
100	QPSK	270	0		24.77		25.5	1.0	
100	16QAM	1	1		24.84				
100	16QAM	1	1		23.26		24.0	2.5	
100	256QAM	1	1		21.32		22.0	4.5	
				Channel					
				649668	650000	650334	Tune-up	MPR	
				Frequency (MHz)					
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)	
				Channel					
				649334	650000	650668	Tune-up	MPR	
				Frequency (MHz)					
80	QPSK	1	1	3740.01	3750	3760.02	limit	(dB)	
				Channel					
				649000	650000	651000	Tune-up	MPR	
				Frequency (MHz)					
70	QPSK	1	1	25.58	25.57	25.72	26.5	0.0	
				Channel					
				648668	650000	651334	Tune-up	MPR	
				Frequency (MHz)					
60	QPSK	1	1	25.69	25.61	25.58	26.5	0.0	
				Channel					
				648334	650000	651668	Tune-up	MPR	
				Frequency (MHz)					
50	QPSK	1	1	3725.01	3750	3775.02	limit	(dB)	
				Channel					
				648000	650000	652000	Tune-up	MPR	
				Frequency (MHz)					
40	QPSK	1	1	3720	3750	3780	limit	(dB)	
				Channel					
				647668	650000	652334	Tune-up	MPR	
				Frequency (MHz)					
30	QPSK	1	1	3715.02	3750	3785.01	limit	(dB)	
				Channel					
				647334	650000	652668	Tune-up	MPR	
				Frequency (MHz)					
25	QPSK	1	1	25.88	25.66	25.80	26.5	0.0	
				Channel					
				647000	650000	653000	Tune-up	MPR	
				Frequency (MHz)					
20	QPSK	1	1	25.63	25.71	25.68	26.5	0.0	
				Channel					
				647168	650000	652834	Tune-up	MPR	
				Frequency (MHz)					
15	QPSK	1	1	3707.52	3750	3792.51	limit	(dB)	
				Channel					
				647000	650000	653000	Tune-up	MPR	
				Frequency (MHz)					
10	QPSK	1	1	25.62	25.64	25.64	26.5	0.0	



Par270 n77 Ant 5 Default									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	22.08	22.08	22.14			
100	1/2 BPSK	137	1	22.14	22.16	22.11	24.0	0.0	
100	1/2 BPSK	1	271	22.05	22.15	22.06			
100	1/2 BPSK	135	0	21.51	21.62	21.73	23.5	0.5	
100	1/2 BPSK	135	69	22.13	22.16	22.09	24.0	0.0	
100	1/2 BPSK	135	138	21.51	21.53	21.70	23.5	0.5	
100	1/2 BPSK	270	0	21.63	21.58	21.57			
100	QPSK	1	1	22.22	22.27	22.26			
100	QPSK	1	137	22.13	22.12	22.10	24.0	0.0	
100	QPSK	1	271	22.05	22.04	22.10			
100	QPSK	135	0	21.02	21.22	21.03	23.0	1.0	
100	QPSK	135	69	22.22	22.25	22.21	24.0	0.0	
100	QPSK	135	138	21.08	21.09	21.23	23.0	1.0	
100	QPSK	270	0	21.28	21.32	21.25			
100	16QAM	1	1	21.20	21.08	21.08	23.0	1.0	
100	16QAM	1	1	19.83	19.82	19.66	21.5	2.5	
100	256QAM	1	1	17.91	17.91	17.83	19.5	4.5	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.03	22.13	22.20	24.0	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.14	22.09	22.22	24.0	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.12	22.19	22.12	24.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.15	22.16	22.15	24.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.15	22.10	22.13	24.0	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.13	22.13	22.20	24.0	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.16	22.06	22.23	24.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	22.17	22.07	22.21	24.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3712.15	3840	3975.15	limit	(dB)	
20	QPSK	1	1	22.10	22.16	22.24	24.0	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.11	22.14	22.10	24.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.22	22.17	22.13	24.0	0.0	

Par270 n77 HPUE Ant 5 Default									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	25.17	23.36	24.91			
100	1/2 BPSK	1	137	25.15	23.44	24.72	26.0	0.0	
100	1/2 BPSK	1	271	25.18	23.40	24.80			
100	1/2 BPSK	135	0	24.66	22.82	24.18	25.5	0.5	
100	1/2 BPSK	135	69	25.16	23.37	24.69	26.0	0.0	
100	1/2 BPSK	135	138	24.51	22.77	24.07	25.5	0.5	
100	1/2 BPSK	270	0	24.91	22.86	24.31			
100	QPSK	1	1	25.22	23.43	24.82			
100	QPSK	1	137	25.21	23.34	24.91	26.0	0.0	
100	QPSK	1	271	25.16	23.25	24.80			
100	QPSK	135	0	24.16	22.61	23.75	25.0	1.0	
100	QPSK	135	69	25.17	23.41	24.78	26.0	0.0	
100	QPSK	135	138	24.27	22.34	23.74	25.0	1.0	
100	QPSK	270	0	24.22	22.59	23.95			
100	16QAM	1	1	24.24	22.30	23.84	25.0	1.0	
100	16QAM	1	1	22.94	21.10	22.66	23.5	2.5	
100	256QAM	1	1	20.91	18.97	20.52	21.5	4.5	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	25.00	23.28	24.85	26.0	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	25.06	23.27	24.75	26.0	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	25.19	23.33	24.79	26.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	25.17	23.34	24.78	26.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	25.14	23.33	24.70	26.0	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	25.15	23.39	24.75	26.0	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	25.13	23.29	24.70	26.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	25.19	23.35	24.67	26.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3712.15	3840	3975.15	limit	(dB)	
20	QPSK	1	1	25.15	23.36	24.73	26.0	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	25.00	23.29	24.73	26.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	25.10	23.35	24.65	26.0	0.0	

Part270 n78 Ant 5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.5	0.5	
100	1/2 BPSK	135	69				22.12		
100	1/2 BPSK	135	138				21.57		
100	1/2 BPSK	270	0				21.55		
100	QPSK	1	1				22.29		
100	QPSK	1	137				22.10		
100	QPSK	1	271				22.02		
100	QPSK	135	0				21.20		
100	QPSK	135	69				22.25		
100	QPSK	135	138				21.14		
100	QPSK	270	0				21.31		
100	16QAM	1	1				21.01		
100	16QAM	1	1				19.83		
100	256QAM	1	1				17.84		
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.05	22.12	22.15	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.11	22.03	22.09	24.0	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.15	22.13	22.07	24.0	0.0	
	Channel			648668	650000	651334	Tune-up	MPR	
	Frequency (MHz)								



Part27O n78 HPUE Ant 5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	650000	650000			
				Channel					
				Frequency (MHz)	3750	3750	3750		
100	1/2 BPSK	1	1		25.10				
100	1/2 BPSK	1	137		25.12		26.0	0.0	
100	1/2 BPSK	1	271		25.20				
100	1/2 BPSK	135	0		24.57		25.5	0.5	
100	1/2 BPSK	135	69		25.13		26.0	0.0	
100	1/2 BPSK	135	138		24.57				
100	1/2 BPSK	270	0		24.53		25.5	0.5	
100	QPSK	1	1		25.31				
100	QPSK	1	137		24.95		26.0	0.0	
100	QPSK	1	271		24.96				
100	QPSK	135	0		24.16		25.0	1.0	
100	QPSK	135	69		25.28		26.0	0.0	
100	QPSK	135	138		24.12				
100	QPSK	270	0		24.32		25.0	1.0	
100	16QAM	1	1		24.04		25.0	1.0	
100	16QAM	1	1		22.87		23.5	2.5	
100	256QAM	1	1		20.98		21.5	4.5	
				Channel	649668	650000	650334	Tune-up	MPR
				Frequency (MHz)	3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		25.16	25.22	25.18	26.0	0.0
				Channel	649334	650000	650668	Tune-up	MPR
				Frequency (MHz)	3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		25.16	25.17	25.13	26.0	0.0
				Channel	649000	650000	651000	Tune-up	MPR
				Frequency (MHz)	3735	3750	3765	limit	(dB)
70	QPSK	1	1		25.11	25.15	25.14	26.0	0.0
				Channel	648668	650000	651334	Tune-up	MPR
				Frequency (MHz)	3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		25.22	25.24	25.20	26.0	0.0
				Channel	648334	650000	651668	Tune-up	MPR
				Frequency (MHz)	3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		25.12	25.16	25.23	26.0	0.0
				Channel	648000	650000	652000	Tune-up	MPR
				Frequency (MHz)	3720	3750	3780	limit	(dB)
40	QPSK	1	1		25.11	25.14	25.14	26.0	0.0
				Channel	647668	650000	652334	Tune-up	MPR
				Frequency (MHz)	3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		25.18	25.17	25.12	26.0	0.0
				Channel	647334	650000	652668	Tune-up	MPR
				Frequency (MHz)	3710.01	3750	3790.02	limit	(dB)
25	QPSK	1	1		25.12	25.15	25.16	26.0	0.0
				Channel	647000	650000	653000	Tune-up	MPR
				Frequency (MHz)	3705	3750	3795	limit	(dB)
20	QPSK	1	1		25.21	25.22	25.16	26.0	0.0
				Channel	647168	650000	652834	Tune-up	MPR
				Frequency (MHz)	3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1		25.18	25.20	25.19	26.0	0.0
				Channel	647000	650000	653000	Tune-up	MPR
				Frequency (MHz)	3705	3750	3795	limit	(dB)
10	QPSK	1	1		25.10	25.17	25.24	26.0	0.0



Par270 n77 Ant 7 Default									
BW [MHz]	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	662000				
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	22.58	22.62	22.67			
100	1/2 BPSK	1	137	22.49	22.57	22.57	24.0	0.0	
100	1/2 BPSK	1	271	22.54	22.65	22.61			
100	1/2 BPSK	135	0	21.92	22.11	22.12	23.5	0.5	
100	1/2 BPSK	135	69	22.50	22.65	22.66	24.0	0.0	
100	1/2 BPSK	135	138	22.00	21.95	22.23			
100	1/2 BPSK	270	0	22.09	22.04	22.05	23.5	0.5	
100	QPSK	1	1	22.65	22.70	22.62			
100	QPSK	1	137	22.67	22.59	22.54	24.0	0.0	
100	QPSK	1	271	22.54	22.49	22.43			
100	QPSK	135	0	21.48	21.73	21.40	23.0	1.0	
100	QPSK	135	69	22.62	22.64	22.56	24.0	0.0	
100	QPSK	135	138	21.47	21.54	21.74			
100	QPSK	270	0	21.57	21.62	21.54	23.0	1.0	
100	16QAM	1	1	21.65	21.52	21.70	23.0	1.0	
100	16QAM	1	1	20.31	20.29	20.11	21.5	2.5	
100	256QAM	1	1	18.34	18.34	18.22	19.5	4.5	
	Channel			649688	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.52	22.54	22.53	24.0	0.0	
	Channel			649334	656000	662688	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.49	22.68	22.59	24.0	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.62	22.62	22.53	24.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3930.01	limit	(dB)	
60	QPSK	1	1	22.59	22.83	22.52	24.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3935.02	limit	(dB)	
50	QPSK	1	1	22.54	22.55	22.43	24.0	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.54	22.66	22.51	24.0	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.63	22.60	22.58	24.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	22.56	22.60	22.49	24.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.59	22.59	22.52	24.0	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.54	22.66	22.47	24.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.56	22.54	22.53	24.0	0.0	

Par270 n77 HPUE Ant 7 Default									
BW [MHz]	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	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	25.62	25.60	25.60			
100	1/2 BPSK	1	137	25.45	25.52	25.57	27.0	0.0	
100	1/2 BPSK	1	271	25.53	25.65	25.54			
100	1/2 BPSK	135	0	24.94	25.19	25.15	26.5	0.5	
100	1/2 BPSK	135	69	25.49	25.62	25.66	27.0	0.0	
100	1/2 BPSK	135	138	24.94	24.94	25.26			
100	1/2 BPSK	270	0	25.02	24.97	24.99	26.5	0.5	
100	QPSK	1	1	25.67	25.68	25.66			
100	QPSK	1	137	25.60	25.53	25.46	27.0	0.0	
100	QPSK	1	271	25.55	25.42	25.51			
100	QPSK	135	0	24.56	24.71	24.41	26.0	1.0	
100	QPSK	135	69	25.55	25.65	25.59	27.0	0.0	
100	QPSK	135	138	24.54	24.50	24.78			
100	QPSK	270	0	24.52	24.68	24.46	26.0	1.0	
100	16QAM	1	1	24.62	24.46	24.46	26.0	1.0	
100	16QAM	1	1	23.25	23.37	23.07	24.5	2.5	
100	256QAM	1	1	21.33	21.33	21.19	22.5	4.5	
	Channel			649688	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	25.63	25.58	25.61	27.0	0.0	
	Channel			649334	656000	662688	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	25.52	25.56	25.48	27.0	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	25.52	25.64	25.51	27.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3930.01	limit	(dB)	
60	QPSK	1	1	25.56	25.63	25.60	27.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3935.02	limit	(dB)	
50	QPSK	1	1	25.53	25.64	25.53	27.0	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	25.54	25.63	25.50	27.0	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	25.61	25.60	25.51	27.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	25.60	25.57	25.63	27.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	25.54	25.55	25.63	27.0	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	25.58	25.57	25.52	27.0	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	25.62	25.60	25.54	27.0	0.0	

Part270 n78 Ant 7 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.5	0.5	
100	1/2 BPSK	135	69				23.03		
100	1/2 BPSK	135	138				22.33		
100	1/2 BPSK	270	0				22.48		
100	QPSK	1	1				23.09		
100	QPSK	1	137				23.02		
100	QPSK	1	271				22.82		
100	QPSK	135	0				22.05		
100	QPSK	135	69				23.05		
100	QPSK	135	138				22.01		
100	QPSK	270	0				22.04		
100	16QAM	1	1				21.96		
100	16QAM	1	1				20.99		
100	256QAM	1	1				18.73		
	Channel			649688	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.97	22.90	22.89	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.96	22.90	22.97	24.0	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.92	22.98	22.98	24.0	0.0	
	Channel			648668	650000	651334	Tune-up	MPR	
	Frequency (MHz)								



Part270 n78 HPUE Ant 7 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	1/2 BPSK	1	1		26.09					
100	1/2 BPSK	1	137		25.93		27.0	0.0		
100	1/2 BPSK	1	271		26.06					
100	1/2 BPSK	135	0		25.48		26.5	0.5		
100	1/2 BPSK	135	69		26.07		27.0	0.0		
100	1/2 BPSK	135	138		25.42		26.5	0.5		
100	1/2 BPSK	270	0		25.41					
100	QPSK	1	1		26.16					
100	QPSK	1	137		26.05		27.0	0.0		
100	QPSK	1	271		25.94					
100	QPSK	135	0		25.12		26.0	1.0		
100	QPSK	135	69		26.08		27.0	0.0		
100	QPSK	135	138		24.99		26.0	1.0		
100	QPSK	270	0		25.09					
100	16QAM	1	1		24.99		26.0	1.0		
100	16QAM	1	1		23.84		24.5	2.5		
100	256QAM	1	1		21.69		22.5	4.5		
Channel				649688	650000	650334	Tune-up	MPR		
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)		
90	QPSK	1	1		26.05	25.94	26.03	27.0	0.0	
Channel				649334	650000	650668	Tune-up	MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)		
80	QPSK	1	1		26.04	25.93	26.01	27.0	0.0	
Channel				649000	650000	651000	Tune-up	MPR		
Frequency (MHz)				3735	3750	3765	limit	(dB)		
70	QPSK	1	1		26.00	25.98	25.89	27.0	0.0	
Channel				648688	650000	651334	Tune-up	MPR		
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)		
60	QPSK	1	1		25.93	25.93	25.93	27.0	0.0	
Channel				648334	650000	651668	Tune-up	MPR		
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)		
50	QPSK	1	1		26.03	26.01	25.99	27.0	0.0	
Channel				648000	650000	652000	Tune-up	MPR		
Frequency (MHz)				3720	3750	3780	limit	(dB)		
40	QPSK	1	1		26.01	25.95	26.04	27.0	0.0	
Channel				647688	650000	652334	Tune-up	MPR		
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)		
30	QPSK	1	1		26.03	25.92	26.04	27.0	0.0	
Channel				647500	650000	652500	Tune-up	MPR		
Frequency (MHz)				3719.5	3750	3789.5	limit	(dB)		
25	QPSK	1	1		26.03	26.01	25.94	27.0	0.0	
Channel				647334	650000	652688	Tune-up	MPR		
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)		
20	QPSK	1	1		25.92	25.97	25.99	27.0	0.0	
Channel				647168	650000	652834	Tune-up	MPR		
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)		
15	QPSK	1	1		25.94	25.96	26.03	27.0	0.0	
Channel				647000	650000	653000	Tune-up	MPR		
Frequency (MHz)				3705	3750	3795	limit	(dB)		
10	QPSK	1	1		25.92	25.93	26.02	27.0	0.0	



Par270 n77 Ant 8 Default									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	22.55	22.46	22.59			
100	1/2 BPSK	1	137	22.40	22.42	22.39	24.0	0.0	
100	1/2 BPSK	1	271	22.59	22.50	22.53			
100	1/2 BPSK	135	0	21.96	21.96	21.96	23.5	0.5	
100	1/2 BPSK	135	69	22.47	22.51	22.45	24.0	0.0	
100	1/2 BPSK	135	138	21.80	21.80	22.17			
100	1/2 BPSK	270	0	21.98	21.98	21.92	23.5	0.5	
100	QPSK	1	1	22.58	22.60	22.55			
100	QPSK	1	137	22.49	22.46	22.49	24.0	0.0	
100	QPSK	1	271	22.33	22.34	22.28			
100	QPSK	135	0	21.71	21.63	21.26	23.0	1.0	
100	QPSK	135	69	22.52	22.57	22.45	24.0	0.0	
100	QPSK	135	138	21.43	21.39	21.61			
100	QPSK	270	0	21.45	21.52	21.45	23.0	1.0	
100	16QAM	1	1	21.36	21.38	21.62	23.0	1.0	
100	16QAM	1	1	20.19	20.13	19.94	21.5	2.5	
100	256QAM	1	1	18.28	18.26	18.05	19.5	4.5	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.43	22.50	22.50	24.0	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.52	22.53	22.43	24.0	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.49	22.48	22.48	24.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.45	22.41	22.44	24.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.41	22.53	22.40	24.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.47	22.46	22.43	24.0	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.49	22.40	22.53	24.0	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3975.5	limit	(dB)	
25	QPSK	1	1	22.41	22.44	22.43	24.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.50	22.43	22.41	24.0	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.53	22.46	22.50	24.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.46	22.45	22.54	24.0	0.0	

Par270 n77 HPUE Ant 8 Default									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	26.72	26.75	26.70			
100	1/2 BPSK	1	137	25.62	25.66	25.62	27.0	0.0	
100	1/2 BPSK	1	271	26.76	26.71	26.76			
100	1/2 BPSK	135	0	26.17	26.23	26.22	26.5	0.5	
100	1/2 BPSK	135	69	26.74	26.67	26.71	27.0	0.0	
100	1/2 BPSK	135	138	25.08	25.09	25.28	26.5	0.5	
100	1/2 BPSK	270	0	26.20	26.14	26.17			
100	QPSK	1	1	26.55	26.78	26.63			
100	QPSK	1	137	25.75	25.61	25.67	27.0	0.0	
100	QPSK	1	271	26.52	26.54	26.50			
100	QPSK	135	0	24.81	24.88	24.56	26.0	1.0	
100	QPSK	135	69	26.69	26.75	26.65	27.0	0.0	
100	QPSK	135	138	24.70	24.66	24.85			
100	QPSK	270	0	24.64	24.71	24.63	26.0	1.0	
100	16QAM	1	1	24.59	24.67	24.77	26.0	1.0	
100	16QAM	1	1	23.32	23.38	23.15	24.5	2.5	
100	256QAM	1	1	21.51	21.51	21.25	22.5	4.5	
	Channel			649688	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	26.65	26.68	26.67	27.0	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	26.71	26.74	26.71	27.0	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	26.64	26.66	26.67	27.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	26.68	26.66	26.68	27.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	26.70	26.69	26.69	27.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	26.71	26.65	26.73	27.0	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	26.61	26.63	26.74	27.0	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3975.5	limit	(dB)	
25	QPSK	1	1	26.69	26.72	26.60	27.0	0.0	
	Channel			647334	650000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	26.63	26.66	26.69	27.0	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	26.68	26.57	26.68	27.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	26.69	26.69	26.67	27.0	0.0	

Part270 n78 Ant 8 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.5	0.5	
100	1/2 BPSK	135	69				22.38		
100	1/2 BPSK	135	138				21.70		
100	1/2 BPSK	270	0				21.91		
100	QPSK	1	1				22.42		
100	QPSK	1	137				22.35		
100	QPSK	1	271				22.24		
100	QPSK	135	0				21.68		
100	QPSK	135	69				22.40		
100	QPSK	135	138				21.41		
100	QPSK	270	0				21.42		
100	16QAM	1	1				21.34		
100	16QAM	1	1				20.14		
100	256QAM	1	1				18.08		
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.83	22.58	22.83	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.32	22.35	22.32	24.0	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.34	22.34	22.41	24.0	0.0	
	Channel			648668	650000	651334	Tune-up	MPR	
	Frequency (MHz)	</							



Part270 n78 HPUE Ant 8 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	650000	650000			
				Channel					
				Frequency (MHz)	3750	3750	3750		
100	1/2 BPSK	1	1		25.33				
100	1/2 BPSK	1	137		25.31		27.0	0.0	
100	1/2 BPSK	1	271		25.39				
100	1/2 BPSK	135	0		24.73		26.5	0.5	
100	1/2 BPSK	135	69		25.28		27.0	0.0	
100	1/2 BPSK	135	138		24.68		26.5	0.5	
100	1/2 BPSK	270	0		24.80				
100	QPSK	1	1		25.44				
100	QPSK	1	137		25.35		27.0	0.0	
100	QPSK	1	271		25.23				
100	QPSK	135	0		24.36		26.0	1.0	
100	QPSK	135	69		25.42		27.0	0.0	
100	QPSK	135	138		24.25		26.0	1.0	
100	QPSK	270	0		24.45				
100	16QAM	1	1		24.30		26.0	1.0	
100	64QAM	1	1		22.92		24.5	2.5	
100	256QAM	1	1		20.99		22.5	4.5	
				Channel	649688	650000	650334	Tune-up	MPR
				Frequency (MHz)	3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		25.83	25.30	25.19	27.0	0.0
				Channel	649334	650000	650668	Tune-up	MPR
				Frequency (MHz)	3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		25.31	25.30	25.34	27.0	0.0
				Channel	649000	650000	651000	Tune-up	MPR
				Frequency (MHz)	3735	3750	3765	limit	(dB)
70	QPSK	1	1		25.27	25.33	25.22	27.0	0.0
				Channel	648688	650000	651334	Tune-up	MPR
				Frequency (MHz)	3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		25.21	25.22	25.30	27.0	0.0
				Channel	648334	650000	651668	Tune-up	MPR
				Frequency (MHz)	3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		25.27	25.35	25.28	27.0	0.0
				Channel	648000	650000	652000	Tune-up	MPR
				Frequency (MHz)	3720	3750	3780	limit	(dB)
40	QPSK	1	1		25.27	25.23	25.34	27.0	0.0
				Channel	647688	650000	652334	Tune-up	MPR
				Frequency (MHz)	3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		25.33	25.22	25.31	27.0	0.0
				Channel	647500	650000	652500	Tune-up	MPR
				Frequency (MHz)	3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1		25.31	25.25	25.21	27.0	0.0
				Channel	647334	650000	652668	Tune-up	MPR
				Frequency (MHz)	3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1		25.20	25.23	25.22	27.0	0.0
				Channel	647168	650000	652834	Tune-up	MPR
				Frequency (MHz)	3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1		25.25	25.35	25.22	27.0	0.0
				Channel	647000	650000	653000	Tune-up	MPR
				Frequency (MHz)	3705	3750	3795	limit	(dB)
10	QPSK	1	1		25.31	25.29	25.26	27.0	0.0



Reduced Power Mode for DS12

n5 Ant 0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	22.59	22.53	22.58			
20	1/2 BPSK	1	53	22.62	22.59	22.48	24.0	0.0	
20	1/2 BPSK	1	104	22.57	22.68	22.61			
20	1/2 BPSK	50	0	22.09	21.98	22.10	23.5	0.5	
20	1/2 BPSK	50	28	22.50	22.51	22.57	24.0	0.0	
20	1/2 BPSK	50	56	22.05	22.09	22.06			
20	1/2 BPSK	100	0	22.16	22.13	22.08	23.5	0.5	
20	QPSK	1	1	22.66	22.68	22.59			
20	QPSK	1	53	22.66	22.53	22.59	24.0	0.0	
20	QPSK	1	104	22.42	22.46	22.45			
20	QPSK	50	0	21.54	21.52	21.51	23.0	1.0	
20	QPSK	50	28	22.54	22.65	22.63	24.0	0.0	
20	QPSK	50	56	21.57	21.55	21.66	23.0	1.0	
20	QPSK	100	0	21.66	21.70	21.68			
20	16QAM	1	1	21.59	21.61	21.55	23.0	1.0	
20	64QAM	1	1	20.17	20.15	20.17	21.5	2.5	
20	256QAM	1	1	18.17	18.17	18.33	19.5	4.5	
Channel				166300	167300	168300	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)	
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up	MPR	
Frequency (MHz)				829	836.5	844	limit	(dB)	
10	QPSK	1	1	22.53	22.66	22.51	24.0	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)	
5	QPSK	1	1	22.59	22.55	22.56	24.0	0.0	

n26 Ant 0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	22.60	22.56	22.59			
20	1/2 BPSK	1	53	22.56	22.49	22.44	24.0	0.0	
20	1/2 BPSK	1	104	22.51	22.66	22.61			
20	1/2 BPSK	50	0	22.04	22.00	22.09	23.5	0.5	
20	1/2 BPSK	50	28	22.39	22.43	22.60	24.0	0.0	
20	1/2 BPSK	50	56	22.03	22.05	22.08			
20	1/2 BPSK	100	0	22.04	22.08	21.98	23.5	0.5	
20	QPSK	1	1	22.67	22.68	22.65			
20	QPSK	1	53	22.65	22.47	22.47	24.0	0.0	
20	QPSK	1	104	22.38	22.37	22.33			
20	QPSK	50	0	21.57	21.52	21.49	23.0	1.0	
20	QPSK	50	28	22.58	22.64	22.58	24.0	0.0	
20	QPSK	50	56	21.53	21.51	21.61	23.0	1.0	
20	QPSK	100	0	21.54	21.62	21.59			
20	16QAM	1	1	21.50	21.49	21.51	23.0	1.0	
20	64QAM	1	1	20.24	20.13	20.19	21.5	2.5	
20	256QAM	1	1	18.20	18.20	18.37	19.5	4.5	
Channel				164300	166300	168300	Tune-up	MPR	
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)	
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up	MPR	
Frequency (MHz)				818	831.5	844	limit	(dB)	
10	QPSK	1	1	22.61	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up	MPR	
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)	
5	QPSK	1	1	22.54	22.64	22.45	24.0	0.0	

n71 Ant 0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	1/2 BPSK	1	1	22.51	22.52	22.55			
20	1/2 BPSK	1	53	22.48	22.54	22.33	24.0	0.0	
20	1/2 BPSK	1	104	22.52	22.55	22.48			
20	1/2 BPSK	50	0	22.02	21.92	21.83	23.5	0.5	
20	1/2 BPSK	50	28	22.42	22.46	22.44	24.0	0.0	
20	1/2 BPSK	50	56	21.92	22.04	21.94			
20	1/2 BPSK	100	0	22.07	21.96	22.01	23.5	0.5	
20	QPSK	1	1	22.54	22.57	22.63			
20	QPSK	1	53	22.52	22.44	22.52	24.0	0.0	
20	QPSK	1	104	22.33	22.40	22.27			
20	QPSK	50	0	21.41	21.41	21.37	23.0	1.0	
20	QPSK	50	28	22.46	22.55	22.54	24.0	0.0	
20	QPSK	50	56	21.42	21.49	21.49	23.0	1.0	
20	QPSK	100	0	21.57	21.58	21.57			
20	16QAM	1	1	21.48	21.55	21.37	23.0	1.0	
20	64QAM	1	1	20.15	20.04	20.10	21.5	2.5	
20	256QAM	1	1	18.22	18.15	18.28	19.5	4.5	
Channel				134100	136100	138100	Tune-up	MPR	
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)	
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up	MPR	
Frequency (MHz)				668	680.5	693	limit	(dB)	
10	QPSK	1	1	22.52	22.44	22.44	24.0	0.0	
Channel				133100	136100	139100	Tune-up	MPR	
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)	
5	QPSK	1	1	22.49	22.42	22.45	24.0	0.0	



n38 Ant 0 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.61	22.62	22.53	24.0	0.0	
40	1/2 BPSK	1	53	22.70	22.63	22.64			
40	1/2 BPSK	1	104	22.67	22.71	22.66			
40	1/2 BPSK	50	0	22.20	22.15	22.26	23.5	0.5	
40	1/2 BPSK	50	28	22.61	22.57	22.71	24.0	0.0	
40	1/2 BPSK	50	56	22.07	22.19	22.23	23.5	0.5	
40	1/2 BPSK	100	0	22.27	22.23	22.26			
40	QPSK	1	1	22.73	22.75	22.69			
40	QPSK	1	53	22.69	22.63	22.66	24.0	0.0	
40	QPSK	1	104	22.58	22.52	22.52	23.0	1.0	
40	QPSK	50	0	21.66	21.66	21.58	23.0	1.0	
40	QPSK	50	28	22.67	22.69	22.67	24.0	0.0	
40	QPSK	50	56	21.68	21.57	21.75	23.0	1.0	
40	QPSK	100	0	21.76	21.81	21.80	23.0	1.0	
40	16QAM	1	1	21.72	21.74	21.69	23.0	1.0	
40	64QAM	1	1	20.14	20.05	20.25	21.5	2.5	
40	256QAM	1	1	18.25	18.08	18.24	19.5	4.5	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.99	limit		
30	QPSK	1	1	22.71	22.66	22.65	24.0	0.0	
	Channel			516504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit		
25	QPSK	1	1	22.72	22.65	22.53	24.0	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit		
20	QPSK	1	1	22.72	22.65	22.53	24.0	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit		
15	QPSK	1	1	22.60	22.65	22.53	24.0	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit		
10	QPSK	1	1	22.69	22.71	22.52	24.0	0.0	

n41 Ant 0 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.63	22.61	22.49	24.0	0.0	
100	1/2 BPSK	1	137	22.69	22.59	22.57			
100	1/2 BPSK	1	271	22.64	22.66	22.70			
100	1/2 BPSK	135	0	22.18	22.09	22.20	23.5	0.5	
100	1/2 BPSK	135	69	22.66	22.62	22.71	24.0	0.0	
100	1/2 BPSK	135	138	22.08	22.21	22.30	23.5	0.5	
100	1/2 BPSK	270	0	22.29	22.20	22.25			
100	QPSK	1	1	22.73	22.78	22.75			
100	QPSK	1	137	22.71	22.63	22.59	24.0	0.0	
100	QPSK	1	271	22.53	22.59	22.56			
100	QPSK	135	0	21.67	21.70	21.51	23.0	1.0	
100	QPSK	135	69	22.69	22.74	22.69	24.0	0.0	
100	QPSK	135	138	21.64	21.56	21.79	23.0	1.0	
100	QPSK	270	0	21.81	21.82	21.80	23.0	1.0	
100	16QAM	1	1	21.77	21.75	21.75	23.0	1.0	
100	64QAM	1	1	20.22	20.09	20.19	21.5	2.5	
100	256QAM	1	1	18.21	18.22	18.25	19.5	4.5	
	Channel			508200	518598	526996	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit		
90	QPSK	1	1	22.65	22.74	22.65	24.0	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit		
80	QPSK	1	1	22.72	22.65	22.55	24.0	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit		
70	QPSK	1	1	22.63	22.62	22.53	24.0	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit		
60	QPSK	1	1	22.65	22.67	22.60	24.0	0.0	
	Channel			504204	518598	532996	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit		
50	QPSK	1	1	22.62	22.75	22.59	24.0	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit		
40	QPSK	1	1	22.67	22.75	22.59	24.0	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit		
30	QPSK	1	1	22.65	22.71	22.65	24.0	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
25	QPSK	1	1	22.67	22.67	22.65	24.0	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
20	QPSK	1	1	22.73	22.73	22.66	24.0	0.0	
	Channel			500700	518598	536996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit		
15	QPSK	1	1	22.73	22.69	22.59	24.0	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit		
10	QPSK	1	1	22.60	22.70	22.52	24.0	0.0	



n2 Ant 1 DSI2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				374000	376000	378000					
Frequency (MHz)				1870	1880	1890					
40	1/2 BPSK	1	1	17.08	17.03	17.12					
40	1/2 BPSK	1	108	17.13	17.09	17.03	18.5	0.0			
40	1/2 BPSK	1	214	17.20	17.02	17.18					
40	1/2 BPSK	108	0	17.10	17.11	17.16	18.5	0.0			
40	1/2 BPSK	108	54	17.20	17.06	16.94	18.5	0.0			
40	1/2 BPSK	108	108	17.15	17.15	17.15	18.5	0.0			
40	1/2 BPSK	216	0	17.09	17.14	17.01					
40	QPSK	1	1	17.23	17.25	17.21					
40	QPSK	1	108	17.13	17.05	17.07	18.5	0.0			
40	QPSK	1	214	17.10	17.18	17.12					
40	QPSK	108	0	17.13	17.15	17.11	18.5	0.0			
40	QPSK	108	54	17.18	17.24	17.16	18.5	0.0			
40	QPSK	108	108	17.13	17.13	17.16	18.5	0.0			
40	QPSK	216	0	17.21	17.22	17.18					
40	16QAM	1	1	17.16	17.19	17.03	18.5	0.0			
40	64QAM	1	1	17.16	17.12	17.18	18.5	0.0			
40	256QAM	1	1	17.08	17.19	17.08	18.5	0.0			
Channel				373500	376000	378500	Tune-up limit (dB)	MPR			
Frequency (MHz)				1867.5	1880	1892.5					
35	QPSK	1	1	17.14	17.16	17.16	18.5	0.0			
Channel				373000	376000	379000	Tune-up limit (dB)	MPR			
Frequency (MHz)				1865	1880	1895					
30	QPSK	1	1	17.15	17.04	17.11	18.5	0.0			
Channel				372500	376000	379500	Tune-up limit (dB)	MPR			
Frequency (MHz)				1862.5	1880	1897.5					
25	QPSK	1	1	17.13	17.05	17.17	18.5	0.0			
Channel				372000	376000	380000	Tune-up limit (dB)	MPR			
Frequency (MHz)				1860	1880	1900					
20	QPSK	1	1	17.15	17.15	17.05	18.5	0.0			
Channel				371500	376000	381000	Tune-up limit (dB)	MPR			
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	1	17.24	17.09	17.15	18.5	0.0			
Channel				371000	376000	381000	Tune-up limit (dB)	MPR			
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	1	17.10	17.13	17.03	18.5	0.0			
Channel				370500	376000	381500	Tune-up limit (dB)	MPR			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	1	17.23	17.09	17.10	18.5	0.0			

n5 Ant 1 DSI2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				166800	167300	167800					
Frequency (MHz)				834	836.5	839					
20	1/2 BPSK	1	1	22.24	22.32	22.30					
20	1/2 BPSK	1	53	22.47	22.34	22.28	24.0	0.0			
20	1/2 BPSK	1	104	22.44	22.37	22.36					
20	1/2 BPSK	50	0	21.88	21.88	21.99	23.5	0.5			
20	1/2 BPSK	50	28	22.26	22.29	22.39	24.0	0.0			
20	1/2 BPSK	50	56	21.83	21.90	21.94	23.5	0.5			
20	1/2 BPSK	100	0	22.02	21.99	21.98					
20	QPSK	1	1	22.44	22.48	22.43					
20	QPSK	1	53	22.46	22.40	22.31	24.0	0.0			
20	QPSK	1	104	22.34	22.27	22.29					
20	QPSK	50	0	21.30	21.44	21.34	23.0	1.0			
20	QPSK	50	28	22.39	22.47	22.34	24.0	0.0			
20	QPSK	50	56	21.45	21.34	21.41	23.0	1.0			
20	QPSK	100	0	21.44	21.53	21.52					
20	16QAM	1	1	21.45	21.37	21.31	23.0	1.0			
20	64QAM	1	1	20.15	20.13	20.17	21.5	2.5			
20	256QAM	1	1	18.12	18.12	18.23	19.5	4.5			
Channel				166300	167300	168300	Tune-up limit (dB)	MPR			
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	22.29	22.45	22.36	24.0	0.0			
Channel				165800	167300	168800	Tune-up limit (dB)	MPR			
Frequency (MHz)				829	836.5	844					
10	QPSK	1	1	22.32	22.46	22.27	24.0	0.0			
Channel				165300	167300	169300	Tune-up limit (dB)	MPR			
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	22.39	22.44	22.25	24.0	0.0			

n7 Ant 1 DSI2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				504000	507000	510000					
Frequency (MHz)				2520	2535	2550					
40	1/2 BPSK	1	1	17.46	17.58	17.58					
40	1/2 BPSK	1	108	17.58	17.68	17.46	18.6	0.0			
40	1/2 BPSK	1	214	17.56	17.57	17.49					
40	1/2 BPSK	108	0	17.53	17.61	17.70	18.6	0.0			
40	1/2 BPSK	108	54	17.57	17.69	17.56	18.6	0.0			
40	1/2 BPSK	108	108	17.54	17.61	17.47	18.6	0.0			
40	1/2 BPSK	216	0	17.51	17.62	17.46					
40	QPSK	1	1	17.66	17.75	17.71					
40	QPSK	1	108	17.54	17.71	17.58	18.6	0.0			
40	QPSK	1	214	17.54	17.71	17.68					
40	QPSK	108	0	17.65	17.72	17.68	18.6	0.0			
40	QPSK	108	54	17.59	17.74	17.55	18.6	0.0			
40	QPSK	108	108	17.50	17.54	17.61	18.6	0.0			
40	QPSK	216	0	17.66	17.68	17.61					
40	16QAM	1	1	17.57	17.60	17.60	18.6	0.0			
40	64QAM	1	1	17.44	17.61	17.51	18.6	0.0			
40	256QAM	1	1	17.59	17.66	17.57	18.6	0.0			
Channel				503000	507000	511000	Tune-up limit (dB)	MPR			
Frequency (MHz)				2515	2535	2555					
30	QPSK	1	1	17.51	17.64	17.55	18.6	0.0			
Channel				502500	507000	511500	Tune-up limit (dB)	MPR			
Frequency (MHz)				2512.5	2535	2557.5					
25	QPSK	1	1	17.58	17.68	17.46	18.6	0.0			
Channel				502000	507000	512000	Tune-up limit (dB)	MPR			
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	1	17.47	17.71	17.51	18.6	0.0			
Channel				501500	507000	512500	Tune-up limit (dB)	MPR			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	1	17.46	17.62	17.56	18.6	0.0			
Channel				501000	507000	513000	Tune-up limit (dB)	MPR			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	1	17.55	17.66	17.49	18.6	0.0			
Channel				500500	507000	513500	Tune-up limit (dB)	MPR			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	1	17.55	17.66	17.59	18.6	0.0			



n26 Ant 1 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.44	22.39	22.46				
20	1/2 BPSK	1	53	22.40	22.45	22.45	24.0	0.0		
20	1/2 BPSK	1	104	22.37	22.45	22.37				
20	1/2 BPSK	50	0	21.89	21.91	22.07	23.5	0.5		
20	1/2 BPSK	50	28	22.43	22.33	22.46	24.0	0.0		
20	1/2 BPSK	50	56	21.88	21.97	22.06				
20	1/2 BPSK	100	0	22.01	22.05	21.94	23.5	0.5		
20	QPSK	1	1	22.47	22.50	22.44				
20	QPSK	1	53	22.43	22.46	22.38	24.0	0.0		
20	QPSK	1	104	22.35	22.24	22.35				
20	QPSK	50	0	21.40	21.45	21.32	23.0	1.0		
20	QPSK	50	28	22.41	22.49	22.47	24.0	0.0		
20	QPSK	50	56	21.40	21.38	21.58				
20	QPSK	100	0	21.58	21.59	21.56	23.0	1.0		
20	16QAM	1	1	21.92	21.50	21.47	23.0	1.0		
20	64QAM	1	1	20.27	20.15	20.09	21.5	2.5		
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164300	166300	168300	Tune-up	MPR		
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)		
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0		
Channel				163800	166300	168800	Tune-up	MPR		
Frequency (MHz)				819	831.5	844	limit	(dB)		
10	QPSK	1	1	22.46	22.44	22.33	24.0	0.0		
Channel				163300	166300	169300	Tune-up	MPR		
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)		
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		

n66 Ant 1 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	19.03	19.07	18.89				
40	1/2 BPSK	1	108	19.13	19.13	18.99	20.1	0.0		
40	1/2 BPSK	1	214	19.03	19.16	19.03				
40	1/2 BPSK	108	0	19.04	19.04	19.01	20.1	0.0		
40	1/2 BPSK	108	54	19.03	19.12	19.10	20.1	0.0		
40	1/2 BPSK	108	108	18.97	19.01	19.06				
40	1/2 BPSK	216	0	19.09	19.13	18.99	20.1	0.0		
40	QPSK	1	1	19.15	19.21	19.19				
40	QPSK	1	108	19.01	19.11	19.06	20.1	0.0		
40	QPSK	1	214	19.07	18.94	18.95				
40	QPSK	108	0	19.12	19.08	19.11	20.1	0.0		
40	QPSK	108	54	19.11	19.18	19.04	20.1	0.0		
40	QPSK	108	108	19.05	19.07	19.12				
40	QPSK	216	0	19.15	19.16	19.04	20.1	0.0		
40	16QAM	1	1	19.09	19.11	19.05	20.1	0.0		
40	64QAM	1	1	19.00	19.07	19.00	20.1	0.0		
40	256QAM	1	1	18.21	18.17	18.15	19.5	0.5		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	19.00	19.16	19.05	20.1	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	19.07	19.17	19.02	20.1	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	19.11	19.14	19.14	20.1	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	19.02	19.04	19.10	20.1	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	19.03	19.18	19.17	20.1	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	19.01	19.15	19.16	20.1	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	19.12	19.16	19.04	20.1	0.0		

n71 Ant 1 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	136100	137600				
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.45	22.44	22.46				
20	1/2 BPSK	1	53	22.42	22.53	22.46	24.0	0.0		
20	1/2 BPSK	1	104	22.43	22.48	22.37				
20	1/2 BPSK	50	0	21.77	21.95	22.05	23.5	0.5		
20	1/2 BPSK	50	28	22.37	22.45	22.47	24.0	0.0		
20	1/2 BPSK	50	56	21.79	21.83	21.87				
20	1/2 BPSK	100	0	21.38	21.93	21.85	23.5	0.5		
20	QPSK	1	1	22.46	22.54	22.49				
20	QPSK	1	53	22.42	22.35	22.39	24.0	0.0		
20	QPSK	1	104	22.29	22.32	22.38				
20	QPSK	50	0	21.38	21.58	21.26	23.0	1.0		
20	QPSK	50	28	22.43	22.49	22.44	24.0	0.0		
20	QPSK	50	56	21.39	21.41	21.53				
20	QPSK	100	0	21.45	21.59	21.42	23.0	1.0		
20	16QAM	1	1	21.48	21.41	21.41	23.0	1.0		
20	64QAM	1	1	20.21	20.08	20.02	21.5	2.5		
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	136100	138100	Tune-up	MPR		
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)		
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0		
Channel				133600	136100	138600	Tune-up	MPR		
Frequency (MHz)				668	680.5	692	limit	(dB)		
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	136100	139100	Tune-up	MPR		
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)		
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		



n38 Ant 1 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	17.23	17.26	17.30			
40	1/2 BPSK	1	53	17.28	17.24	17.33	18.3	0.0	
40	1/2 BPSK	1	104	17.34	17.19	17.27			
40	1/2 BPSK	50	0	17.32	17.20	17.34	18.3	0.0	
40	1/2 BPSK	50	28	17.24	17.17	17.11	18.3	0.0	
40	1/2 BPSK	50	56	17.16	17.32	17.29	18.3	0.0	
40	1/2 BPSK	100	0	17.32	17.22	17.28			
40	QPSK	1	1	17.31	17.35	17.28			
40	QPSK	1	53	17.20	17.31	17.22	18.3	0.0	
40	QPSK	1	104	17.28	17.27	17.22			
40	QPSK	50	0	17.32	17.21	17.31	18.3	0.0	
40	QPSK	50	28	17.31	17.34	17.27	18.3	0.0	
40	QPSK	50	56	17.26	17.23	17.22	18.3	0.0	
40	QPSK	100	0	17.27	17.31	17.25			
40	16QAM	1	1	17.14	17.27	17.12	18.3	0.0	
40	64QAM	1	1	17.34	17.27	17.31	18.3	0.0	
40	256QAM	1	1	17.28	17.24	17.26	18.3	0.0	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.98	limit		
30	QPSK	1	1	17.26	17.16	17.23	18.3	0.0	
	Channel			518504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2592.52	2595	2607.48	limit		
25	QPSK	1	1	17.31	17.18	17.31	18.3	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit		
20	QPSK	1	1	17.29	17.14	17.30	18.3	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit		
15	QPSK	1	1	17.25	17.22	17.21	18.3	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit		
10	QPSK	1	1	17.32	17.21	17.33	18.3	0.0	

n41 Ant 1 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	17.23	17.32	17.31			
100	1/2 BPSK	1	137	17.24	17.21	17.21	18.3	0.0	
100	1/2 BPSK	1	271	17.32	17.15	17.34			
100	1/2 BPSK	135	0	17.28	17.26	17.22	18.3	0.0	
100	1/2 BPSK	135	69	17.24	17.23	17.11	18.3	0.0	
100	1/2 BPSK	135	138	17.28	17.31	17.31	18.3	0.0	
100	1/2 BPSK	270	0	17.27	17.27	17.25			
100	QPSK	1	1	17.35	17.39	17.33			
100	QPSK	1	137	17.32	17.23	17.16	18.3	0.0	
100	QPSK	1	271	17.31	17.28	17.28			
100	QPSK	135	0	17.26	17.25	17.22	18.3	0.0	
100	QPSK	135	69	17.30	17.37	17.26	18.3	0.0	
100	QPSK	135	138	17.17	17.36	17.16	18.3	0.0	
100	QPSK	270	0	17.26	17.32	17.22			
100	16QAM	1	1	17.16	17.19	17.12	18.3	0.0	
100	64QAM	1	1	17.22	17.26	17.33	18.3	0.0	
100	256QAM	1	1	17.30	17.34	17.22	18.3	0.0	
	Channel			506200	518598	528996	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit		
90	QPSK	1	1	17.18	17.27	17.25	18.3	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit		
80	QPSK	1	1	17.20	17.21	17.34	18.3	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit		
70	QPSK	1	1	17.31	17.25	17.22	18.3	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2528	2592.99	2659.98	limit		
60	QPSK	1	1	17.17	17.31	17.25	18.3	0.0	
	Channel			504204	518598	532998	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit		
50	QPSK	1	1	17.21	17.21	17.23	18.3	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit		
40	QPSK	1	1	17.29	17.21	17.21	18.3	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit		
30	QPSK	1	1	17.23	17.24	17.28	18.3	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
25	QPSK	1	1	17.25	17.24	17.33	18.3	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
20	QPSK	1	1	17.24	17.19	17.28	18.3	0.0	
	Channel			500700	518598	537996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit		
15	QPSK	1	1	17.21	17.18	17.29	18.3	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit		
10	QPSK	1	1	17.25	17.17	17.34	18.3	0.0	



n2 Ant 2 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	22.39	22.45	22.42				
40	1/2 BPSK	1	108	22.44	22.54	22.53	24.0	0.0		
40	1/2 BPSK	1	214	22.46	22.52	22.53				
40	1/2 BPSK	108	0	21.81	22.02	22.02	23.5	0.5		
40	1/2 BPSK	108	54	22.43	22.39	22.50	24.0	0.0		
40	1/2 BPSK	108	108	21.75	21.82	22.00				
40	1/2 BPSK	216	0	22.03	21.87	21.92	23.5	0.5		
40	QPSK	1	1	22.53	22.55	22.51				
40	QPSK	1	108	22.49	22.31	22.38	24.0	0.0		
40	QPSK	1	214	22.23	22.24	22.46				
40	QPSK	108	0	21.40	21.56	21.29	23.0	1.0		
40	QPSK	108	54	22.45	22.51	22.46	24.0	0.0		
40	QPSK	108	108	21.44	21.42	21.52	23.0	1.0		
40	QPSK	216	0	21.41	21.54	21.49				
40	16QAM	1	1	21.41	21.40	21.41	23.0	1.0		
40	64QAM	1	1	20.23	20.00	20.02	21.5	2.5		
40	256QAM	1	1	18.22	18.16	18.11	19.5	4.5		
Channel				373500	376000	378500	Tune-up	MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)		
35	QPSK	1	1	22.44	22.46	22.45	24.0	0.0		
Channel				373000	376000	379000	Tune-up	MPR		
Frequency (MHz)				1895	1880	1895	limit	(dB)		
30	QPSK	1	1	22.39	22.39	22.48	24.0	0.0		
Channel				372500	376000	379500	Tune-up	MPR		
Frequency (MHz)				1892.5	1880	1897.5	limit	(dB)		
25	QPSK	1	1	22.49	22.49	22.39	24.0	0.0		
Channel				372000	376000	380000	Tune-up	MPR		
Frequency (MHz)				1880	1880	1900	limit	(dB)		
20	QPSK	1	1	22.43	22.42	22.47	24.0	0.0		
Channel				371500	376000	380500	Tune-up	MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)		
15	QPSK	1	1	22.46	22.40	22.41	24.0	0.0		
Channel				371000	376000	381000	Tune-up	MPR		
Frequency (MHz)				1895	1880	1905	limit	(dB)		
10	QPSK	1	1	22.51	22.49	22.38	24.0	0.0		
Channel				370500	376000	381500	Tune-up	MPR		
Frequency (MHz)				1892.5	1880	1897.5	limit	(dB)		
5	QPSK	1	1	22.33	22.44	22.43	24.0	0.0		

n7 Ant 2 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	22.53	22.50	22.39				
40	1/2 BPSK	1	108	22.49	22.51	22.43	24.0	0.0		
40	1/2 BPSK	1	214	22.49	22.52	22.43				
40	1/2 BPSK	108	0	21.79	21.99	22.08	23.5	0.5		
40	1/2 BPSK	108	54	22.39	22.52	22.48	24.0	0.0		
40	1/2 BPSK	108	108	21.85	21.76	22.01				
40	1/2 BPSK	216	0	21.91	21.86	21.78	23.5	0.5		
40	QPSK	1	1	22.47	22.56	22.50				
40	QPSK	1	108	22.49	22.29	22.40	24.0	0.0		
40	QPSK	1	214	22.29	22.28	22.45				
40	QPSK	108	0	21.38	21.56	21.24	23.0	1.0		
40	QPSK	108	54	22.45	22.52	22.48	24.0	0.0		
40	QPSK	108	108	21.33	21.42	21.59	23.0	1.0		
40	QPSK	216	0	21.45	21.52	21.43				
40	16QAM	1	1	21.44	21.38	21.49	23.0	1.0		
40	64QAM	1	1	20.21	20.13	19.98	21.5	2.5		
40	256QAM	1	1	18.21	18.12	18.03	19.5	4.5		
Channel				503000	507000	511000	Tune-up	MPR		
Frequency (MHz)				2515	2535	2555	limit	(dB)		
30	QPSK	1	1	22.45	22.48	22.40	24.0	0.0		
Channel				502500	507000	511500	Tune-up	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)		
25	QPSK	1	1	22.45	22.51	22.46	24.0	0.0		
Channel				502000	507000	512000	Tune-up	MPR		
Frequency (MHz)				2510	2535	2560	limit	(dB)		
20	QPSK	1	1	22.47	22.42	22.45	24.0	0.0		
Channel				501500	507000	512500	Tune-up	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)		
15	QPSK	1	1	22.43	22.49	22.51	24.0	0.0		
Channel				501000	507000	513000	Tune-up	MPR		
Frequency (MHz)				2505	2535	2565	limit	(dB)		
10	QPSK	1	1	22.42	22.37	22.48	24.0	0.0		
Channel				500500	507000	513500	Tune-up	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)		
5	QPSK	1	1	22.45	22.49	22.45	24.0	0.0		

n66 Ant 2 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				348000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	22.51	22.41	22.54				
40	1/2 BPSK	1	108	22.39	22.64	22.49	24.0	0.0		
40	1/2 BPSK	1	214	22.52	22.51	22.41				
40	1/2 BPSK	108	0	21.90	22.07	22.17	23.5	0.5		
40	1/2 BPSK	108	54	22.49	22.42	22.56	24.0	0.0		
40	1/2 BPSK	108	108	21.78	21.94	21.95				
40	1/2 BPSK	216	0	21.96	21.93	21.83	23.5	0.5		
40	QPSK	1	1	22.64	22.66	22.61				
40	QPSK	1	108	22.45	22.36	22.40	24.0	0.0		
40	QPSK	1	214	22.32	22.42	22.42				
40	QPSK	108	0	21.49	21.61	21.29	23.0	1.0		
40	QPSK	108	54	22.45	22.58	22.47	24.0	0.0		
40	QPSK	108	108	21.46	21.42	21.52	23.0	1.0		
40	QPSK	216	0	21.46	21.55	21.52				
40	16QAM	1	1	21.56	21.52	21.54	23.0	1.0		
40	64QAM	1	1	20.23	20.17	20.10	21.5	2.5		
40	256QAM	1	1	18.12	18.21	18.13	19.5	4.5		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
35	QPSK	1	1	22.46	22.54	22.51	24.0	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	22.48	22.46	22.56	24.0	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	22.40	22.51	22.52	24.0	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	22.43	22.52	22.44	24.0	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	22.55	22.51	22.47	24.0	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	22.48	22.45	22.53	24.0	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	22.56	22.53	22.45	24.0	0.0		



n38 Ant 2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.53	22.44	22.56	24.0	0.0	
40	1/2 BPSK	1	53	22.43	22.59	22.54			
40	1/2 BPSK	1	104	22.40	22.55	22.38			
40	1/2 BPSK	50	0	21.78	21.98	22.06	23.5	0.5	
40	1/2 BPSK	50	28	22.39	22.56	22.58	24.0	0.0	
40	1/2 BPSK	50	56	21.88	21.92	22.07	23.5	0.5	
40	1/2 BPSK	100	0	22.07	21.94	21.93			
40	QPSK	1	1	22.54	22.61	22.56			
40	QPSK	1	53	22.54	22.42	22.47	24.0	0.0	
40	QPSK	1	104	22.37	22.37	22.37	23.0	1.0	
40	QPSK	50	0	21.43	21.63	21.32	23.0	1.0	
40	QPSK	50	28	22.54	22.58	22.46	24.0	0.0	
40	QPSK	50	56	21.43	21.45	21.57	23.0	1.0	
40	QPSK	100	0	21.50	21.59	21.54	23.0	1.0	
40	16QAM	1	1	21.53	21.54	21.52	23.0	1.0	
40	64QAM	1	1	20.33	20.11	20.10	21.5	2.5	
40	256QAM	1	1	18.26	18.17	18.17	19.5	4.5	
	Channel			517002	518000	520998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2585.01	2595	2604.99	24.0	0.0	
30	QPSK	1	1	22.57	22.46	22.47	24.0	0.0	
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	24.0	0.0	
25	QPSK	1	1	22.53	22.48	22.50	24.0	0.0	
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2580	2595	2610	24.0	0.0	
20	QPSK	1	1	22.51	22.57	22.52	24.0	0.0	
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	24.0	0.0	
15	QPSK	1	1	22.53	22.43	22.50	24.0	0.0	
	Channel			515004	519000	522996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	24.0	0.0	
10	QPSK	1	1	22.49	22.56	22.56	24.0	0.0	

n41 Ant 2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.43	22.51	22.56	24.0	0.0	
100	1/2 BPSK	1	137	22.39	22.53	22.52			
100	1/2 BPSK	1	271	22.51	22.58	22.46			
100	1/2 BPSK	135	0	21.82	21.99	22.10	23.5	0.5	
100	1/2 BPSK	135	69	22.39	22.55	22.59	24.0	0.0	
100	1/2 BPSK	135	138	21.86	21.85	22.08	23.5	0.5	
100	1/2 BPSK	270	0	22.06	21.92	21.88			
100	QPSK	1	1	22.58	22.62	22.56			
100	QPSK	1	137	22.52	22.43	22.38	24.0	0.0	
100	QPSK	1	271	22.37	22.40	22.37	23.0	1.0	
100	QPSK	135	0	21.38	21.98	21.36	23.0	1.0	
100	QPSK	135	69	22.47	22.53	22.45	24.0	0.0	
100	QPSK	135	138	21.40	21.45	21.61	23.0	1.0	
100	QPSK	270	0	21.47	21.59	21.45	23.0	1.0	
100	16QAM	1	1	21.57	21.38	21.53	23.0	1.0	
100	64QAM	1	1	20.28	20.15	20.07	21.5	2.5	
100	256QAM	1	1	18.22	18.16	18.10	19.5	4.5	
	Channel			508200	518598	526996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	24.0	0.0	
90	QPSK	1	1	22.46	22.52	22.49	24.0	0.0	
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	24.0	0.0	
80	QPSK	1	1	22.52	22.51	22.47	24.0	0.0	
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	24.0	0.0	
70	QPSK	1	1	22.54	22.43	22.51	24.0	0.0	
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2528	2592.99	2659.98	24.0	0.0	
60	QPSK	1	1	22.55	22.45	22.45	24.0	0.0	
	Channel			504204	518598	532996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	24.0	0.0	
50	QPSK	1	1	22.50	22.49	22.58	24.0	0.0	
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	24.0	0.0	
40	QPSK	1	1	22.51	22.42	22.43	24.0	0.0	
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	24.0	0.0	
30	QPSK	1	1	22.42	22.49	22.55	24.0	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	24.0	0.0	
25	QPSK	1	1	22.54	22.41	22.44	24.0	0.0	
	Channel			501204	518598	536998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	24.0	0.0	
20	QPSK	1	1	22.51	22.53	22.58	24.0	0.0	
	Channel			500700	518598	537996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	24.0	0.0	
15	QPSK	1	1	22.58	22.42	22.44	24.0	0.0	
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2592.99	2686	24.0	0.0	
10	QPSK	1	1	22.44	22.53	22.56	24.0	0.0	



n38 Ant 3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	17.48	17.46	17.50	18.4	0.0	
40	1/2 BPSK	1	53	17.53	17.47	17.42	18.4	0.0	
40	1/2 BPSK	1	104	17.46	17.49	17.40	18.4	0.0	
40	1/2 BPSK	50	0	17.46	17.41	17.29	18.4	0.0	
40	1/2 BPSK	50	28	17.56	17.66	17.54	18.4	0.0	
40	1/2 BPSK	50	56	17.48	17.50	17.45	18.4	0.0	
40	1/2 BPSK	100	0	17.55	17.54	17.37	18.4	0.0	
40	QPSK	1	1	17.53	17.67	17.66	18.4	0.0	
40	QPSK	1	53	17.42	17.61	17.55	18.4	0.0	
40	QPSK	1	104	17.50	17.57	17.45	18.4	0.0	
40	QPSK	50	0	17.56	17.60	17.47	18.4	0.0	
40	QPSK	50	28	17.62	17.65	17.61	18.4	0.0	
40	QPSK	50	56	17.41	17.49	17.41	18.4	0.0	
40	QPSK	100	0	17.59	17.62	17.56	18.4	0.0	
40	16QAM	1	1	17.49	17.56	17.43	18.4	0.0	
40	64QAM	1	1	17.39	17.44	17.55	18.4	0.0	
40	256QAM	1	1	17.35	17.48	17.40	18.4	0.0	
	Channel			517002	518000	520998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2585.01	2595	2604.99			
30	QPSK	1	1	17.46	17.42	17.45	18.4	0.0	
	Channel			518504	519000	521496	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2592.52	2595	2607.48			
25	QPSK	1	1	17.49	17.54	17.51	18.4	0.0	
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2580	2595	2610			
20	QPSK	1	1	17.51	17.43	17.43	18.4	0.0	
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2577.51	2595	2612.49			
15	QPSK	1	1	17.41	17.44	17.41	18.4	0.0	
	Channel			515004	519000	522996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98			
10	QPSK	1	1	17.44	17.55	17.50	18.4	0.0	

n41 Ant 3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	17.57	17.56	17.39	18.4	0.0	
100	1/2 BPSK	1	137	17.43	17.52	17.47	18.4	0.0	
100	1/2 BPSK	1	271	17.53	17.52	17.49	18.4	0.0	
100	1/2 BPSK	135	0	17.54	17.40	17.34	18.4	0.0	
100	1/2 BPSK	135	69	17.54	17.52	17.43	18.4	0.0	
100	1/2 BPSK	135	138	17.62	17.55	17.37	18.4	0.0	
100	1/2 BPSK	270	0	17.45	17.53	17.42	18.4	0.0	
100	QPSK	1	1	17.61	17.69	17.67	18.4	0.0	
100	QPSK	1	137	17.44	17.55	17.53	18.4	0.0	
100	QPSK	1	271	17.51	17.56	17.31	18.4	0.0	
100	QPSK	135	0	17.49	17.64	17.52	18.4	0.0	
100	QPSK	135	69	17.57	17.65	17.55	18.4	0.0	
100	QPSK	135	138	17.49	17.53	17.39	18.4	0.0	
100	QPSK	270	0	17.53	17.61	17.57	18.4	0.0	
100	16QAM	1	1	17.45	17.55	17.46	18.4	0.0	
100	64QAM	1	1	17.44	17.49	17.44	18.4	0.0	
100	256QAM	1	1	17.47	17.41	17.28	18.4	0.0	
	Channel			506200	518598	526996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2592.99	2644.98			
90	QPSK	1	1	17.56	17.51	17.47	18.4	0.0	
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99			
80	QPSK	1	1	17.53	17.59	17.51	18.4	0.0	
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2592.99	2656			
70	QPSK	1	1	17.42	17.53	17.45	18.4	0.0	
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2526	2592.99	2659.98			
60	QPSK	1	1	17.55	17.45	17.45	18.4	0.0	
	Channel			504204	518598	532996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99			
50	QPSK	1	1	17.57	17.48	17.48	18.4	0.0	
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2592.99	2670			
40	QPSK	1	1	17.55	17.54	17.46	18.4	0.0	
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2592.99	2674.98			
30	QPSK	1	1	17.61	17.44	17.40	18.4	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99			
25	QPSK	1	1	17.60	17.47	17.52	18.4	0.0	
	Channel			501204	518598	536998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99			
20	QPSK	1	1	17.55	17.52	17.52	18.4	0.0	
	Channel			500700	518598	537996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48			
15	QPSK	1	1	17.60	17.55	17.41	18.4	0.0	
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2592.99	2685			
10	QPSK	1	1	17.59	17.58	17.43	18.4	0.0	



Par270 n77 Ant 4 DSI2									
BW [MHz]	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	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	20.02	20.03	19.85			
100	1/2 BPSK	1	137	19.92	19.96	19.88	20.8	0.0	
100	1/2 BPSK	1	271	19.92	20.07	19.92			
100	1/2 BPSK	135	0	20.11	20.08	20.03	20.8	0.0	
100	1/2 BPSK	135	69	19.99	20.14	19.87	20.8	0.0	
100	1/2 BPSK	135	138	20.05	20.04	20.03			
100	1/2 BPSK	270	0	20.08	20.01	19.83	20.8	0.0	
100	QPSK	1	1	20.12	20.15	20.08			
100	QPSK	1	137	19.86	19.96	19.88	20.8	0.0	
100	QPSK	1	271	19.84	19.96	19.92			
100	QPSK	135	0	19.98	20.05	20.00	20.8	0.0	
100	QPSK	135	69	20.05	20.12	20.09	20.8	0.0	
100	QPSK	135	138	19.90	20.03	19.86	20.8	0.0	
100	QPSK	270	0	19.98	20.10	20.02			
100	16QAM	1	1	19.99	20.14	19.85	20.8	0.0	
100	16QAM	1	1	20.02	20.05	19.91	20.8	0.0	
100	256QAM	1	1	18.18	18.13	18.09	19.5	1.3	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	19.07	20.03	20.02	20.8	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	20.13	20.09	19.88	20.8	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	19.98	20.14	19.90	20.8	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	20.04	20.15	19.93	20.8	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	20.09	20.04	19.90	20.8	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	20.03	20.10	19.94	20.8	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	20.06	20.03	19.99	20.8	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	20.02	20.13	19.96	20.8	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	20.00	20.07	19.97	20.8	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	20.12	20.09	19.94	20.8	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	20.07	20.10	19.90	20.8	0.0	

Par270 n77 HPUE Ant 4 DSI2									
BW [MHz]	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	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	23.06	23.02	23.02			
100	1/2 BPSK	1	137	23.07	22.99	23.02	23.8	0.0	
100	1/2 BPSK	1	271	23.05	23.01	23.01			
100	1/2 BPSK	135	0	23.09	23.09	23.05	23.8	0.0	
100	1/2 BPSK	135	69	22.96	23.04	23.06	23.8	0.0	
100	1/2 BPSK	135	138	23.06	23.02	23.06			
100	1/2 BPSK	270	0	23.03	23.10	23.08	23.8	0.0	
100	QPSK	1	1	23.08	23.11	23.06			
100	QPSK	1	137	23.00	23.06	23.02	23.8	0.0	
100	QPSK	1	271	22.99	23.05	23.09			
100	QPSK	135	0	23.07	23.03	22.96	23.8	0.0	
100	QPSK	135	69	23.06	23.09	22.96	23.8	0.0	
100	QPSK	135	138	23.03	22.97	23.07	23.8	0.0	
100	QPSK	270	0	23.02	23.06	23.03			
100	16QAM	1	1	23.03	22.95	23.02	23.8	0.0	
100	16QAM	1	1	23.03	23.02	22.96	23.8	0.0	
100	256QAM	1	1	21.15	21.18	21.11	22.0	1.8	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	23.05	23.01	23.03	23.8	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	23.07	22.97	22.99	23.8	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.94	23.03	23.11	23.8	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	23.03	23.01	22.98	23.8	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.94	23.00	23.03	23.8	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.95	23.01	23.02	23.8	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	23.03	23.04	23.08	23.8	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	23.05	23.11	23.06	23.8	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	23.03	23.03	22.99	23.8	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	23.06	23.07	23.09	23.8	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.97	23.10	23.09	23.8	0.0	

Par270 n78 Ant 4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				20.8	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				20.8	0.0	
100	1/2 BPSK	135	69				20.12		
100	1/2 BPSK	135	138				19.98		
100	1/2 BPSK	270	0				20.05		
100	QPSK	1	1				20.18		
100	QPSK	1	137				20.17		
100	QPSK	1	271				20.04		
100	QPSK	135	0				20.04		
100	QPSK	135	69				20.17		
100	QPSK	135	138				20.12		
100	QPSK	270	0				20.15		
100	16QAM	1	1				20.09		
100	16QAM	1	1				20.09		
100	256QAM	1	1				19.23		
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	19.89	19.99	19.94	20.8	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	19.94	20.00	19.93	20.8	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	19.91	19.99	19.86	20.8	0.0	
	Channel			648668	650000	651334	Tune-up	MPR	
	Frequency (MHz								

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1	23.11	23.11	23.11		
100	1/2 BPSK	1	137	23.23	23.23	23.23	23.8	0.0
100	1/2 BPSK	1	271	23.17	23.17	23.17		
100	1/2 BPSK	135	0	23.19	23.19	23.19	23.8	0.0
100	1/2 BPSK	135	69	23.28	23.28	23.28	23.8	0.0
100	1/2 BPSK	135	138	23.07	23.07	23.07	23.8	0.0
100	1/2 BPSK	270	0	23.18	23.18	23.18	23.8	0.0
100	QPSK	1	1	23.30	23.30	23.30		
100	QPSK	1	137	23.25	23.25	23.25	23.8	0.0
100	QPSK	1	271	23.10	23.10	23.10		
100	QPSK	135	0	23.09	23.09	23.09	23.8	0.0
100	QPSK	135	69	23.29	23.29	23.29	23.8	0.0
100	QPSK	135	138	23.23	23.23	23.23	23.8	0.0
100	QPSK	270	0	23.25	23.25	23.25	23.8	0.0
100	16QAM	1	1	23.27	23.27	23.27	23.8	0.0
100	16QAM	1	1	23.25	23.25	23.25	23.8	0.0
100	256QAM	1	1	21.41	21.41	21.41	22.0	1.8
Channel								
Frequency (MHz)				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	23.11	23.02	22.99	23.8	0.0
Channel								
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	23.05	23.09	23.08	23.8	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3755	3750	3765	limit	(dB)
70	QPSK	1	1	22.97	22.95	23.06	23.8	0.0
Channel								
Frequency (MHz)				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3733.02	3750	3773.01	limit	(dB)
60	QPSK	1	1	22.99	23.00	23.03	23.8	0.0
Channel								
Frequency (MHz)				648334	650000	651688	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.99	23.01	23.06	23.8	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	23.06	22.97	23.03	23.8	0.0
Channel								
Frequency (MHz)				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.97	23.05	23.02	23.8	0.0
Channel								
Frequency (MHz)				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3719.5	3750	3789.5	limit	(dB)
25	QPSK	1	1	22.98	22.99	22.97	23.8	0.0
Channel								
Frequency (MHz)				647334	650000	652688	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3794.02	limit	(dB)
20	QPSK	1	1	23.09	23.07	22.97	23.8	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	23.05	23.08	23.00	23.8	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.95	22.99	23.00	23.8	0.0



Par270 n77 Ant 5 DSI2									
BW [MHz]	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	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	18.26	18.26	18.27			
100	1/2 BPSK	1	137	18.28	18.19	18.27	19.7	0.0	
100	1/2 BPSK	1	271	18.19	18.33	18.18			
100	1/2 BPSK	135	0	18.22	18.19	18.33	19.7	0.0	
100	1/2 BPSK	135	69	18.26	18.29	18.25	19.7	0.0	
100	1/2 BPSK	135	138	18.15	18.27	18.27			
100	1/2 BPSK	270	0	18.25	18.32	18.32	19.7	0.0	
100	QPSK	1	1	18.31	18.34	18.27			
100	QPSK	1	137	18.22	18.23	18.22	19.7	0.0	
100	QPSK	1	271	18.21	18.24	18.27			
100	QPSK	135	0	18.26	18.31	18.25	19.7	0.0	
100	QPSK	135	69	18.29	18.32	18.24	19.7	0.0	
100	QPSK	135	138	18.23	18.31	18.30			
100	QPSK	270	0	18.23	18.29	18.28	19.7	0.0	
100	16QAM	1	1	18.19	18.26	18.27	19.7	0.0	
100	16QAM	1	1	18.18	18.32	18.30	19.7	0.0	
100	256QAM	1	1	17.93	17.92	17.86	19.5	0.2	
		Channel		649668	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	18.00	18.19	18.11	19.7	0.0	
		Channel		649334	656000	662368	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	18.12	18.25	18.17	19.7	0.0	
		Channel		649000	656000	663000	Tune-up	MPR	
		Frequency (MHz)		3735	3840	3945	limit	(dB)	
70	QPSK	1	1	18.06	18.20	18.12	19.7	0.0	
		Channel		648668	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	18.11	18.22	18.12	19.7	0.0	
		Channel		648334	656000	663668	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	18.14	18.24	18.24	19.7	0.0	
		Channel		648000	656000	664000	Tune-up	MPR	
		Frequency (MHz)		3720	3840	3960	limit	(dB)	
40	QPSK	1	1	18.03	18.10	18.10	19.7	0.0	
		Channel		647668	656000	664334	Tune-up	MPR	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	18.09	18.15	18.19	19.7	0.0	
		Channel		647334	656000	664668	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	18.18	18.25	18.22	19.7	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
20	QPSK	1	1	18.19	18.13	18.16	19.7	0.0	
		Channel		647168	656000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	18.11	18.10	18.14	19.7	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
10	QPSK	1	1	18.11	18.17	18.22	19.7	0.0	

Par270 n77 HPUE Ant 5 DSI2									
BW [MHz]	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	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	21.20	21.32	21.28			
100	1/2 BPSK	1	137	21.14	21.23	21.32	22.7	0.0	
100	1/2 BPSK	1	271	21.26	21.26	21.22			
100	1/2 BPSK	135	0	21.28	21.19	21.25	22.7	0.0	
100	1/2 BPSK	135	69	21.14	21.21	21.30	22.7	0.0	
100	1/2 BPSK	135	138	21.26	21.28	21.21			
100	1/2 BPSK	270	0	21.26	21.23	21.28	22.7	0.0	
100	QPSK	1	1	21.26	21.35	21.28			
100	QPSK	1	137	21.14	21.31	21.24	22.7	0.0	
100	QPSK	1	271	21.29	21.33	21.31			
100	QPSK	135	0	21.28	21.26	21.31	22.7	0.0	
100	QPSK	135	69	21.17	21.32	21.31	22.7	0.0	
100	QPSK	135	138	21.29	21.23	21.24			
100	QPSK	270	0	21.18	21.27	21.25	22.7	0.0	
100	16QAM	1	1	21.27	21.25	21.22	22.7	0.0	
100	16QAM	1	1	21.25	21.32	21.22	22.7	0.0	
100	256QAM	1	1	20.78	20.85	20.80	21.5	1.2	
		Channel		649668	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	21.18	21.15	21.13	22.7	0.0	
		Channel		649334	656000	662368	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	21.11	21.24	21.12	22.7	0.0	
		Channel		649000	656000	663000	Tune-up	MPR	
		Frequency (MHz)		3735	3840	3945	limit	(dB)	
70	QPSK	1	1	21.10	21.16	21.11	22.7	0.0	
		Channel		648668	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	21.18	21.20	21.15	22.7	0.0	
		Channel		648334	656000	663668	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	21.10	21.15	21.22	22.7	0.0	
		Channel		648000	656000	664000	Tune-up	MPR	
		Frequency (MHz)		3720	3840	3960	limit	(dB)	
40	QPSK	1	1	21.08	21.20	21.15	22.7	0.0	
		Channel		647668	656000	664334	Tune-up	MPR	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	21.06	21.18	21.19	22.7	0.0	
		Channel		647500	656000	664500	Tune-up	MPR	
		Frequency (MHz)		3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	21.20	21.24	21.12	22.7	0.0	
		Channel		647334	656000	664668	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	21.12	21.15	21.20	22.7	0.0	
		Channel		647168	656000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	21.14	21.12	21.24	22.7	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
10	QPSK	1	1	21.17	21.13	21.19	22.7	0.0	

Par270 n78 Ant 5 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
		Frequency (MHz)		3750	3750	3750			
100	1/2 BPSK	1	1	18.26	18.14	18.26			
100	1/2 BPSK	1	137	18.28	18.14	18.26	19.7	0.0	
100	1/2 BPSK	1	271	18.19	18.33	18.18			
100	1/2 BPSK	135	0	18.22	18.20	18.20	19.7	0.0	
100	1/2 BPSK	135	69	18.26	18.29	18.25	19.7	0.0	
100	1/2 BPSK	135	138	18.15	18.27	18.27			
100	1/2 BPSK	270	0	18.25	18.32	18.32	19.7	0.0	
100	QPSK	1	1	18.31	18.34	18.27			
100	QPSK	1	137	18.22	18.23	18.22	19.7	0.0	
100	QPSK	1	271	18.21	18.24	18.27			
100	QPSK	135	0	18.26	18.31	18.25	19.7	0.0	
100	QPSK	135	69	18.29	18.32	18.24	19.7	0.0	
100	QPSK	135	138	18.23	18.31	18.30			
100	QPSK	270	0	18.23	18.29	18.28	19.7	0.0	
100	16QAM	1	1	18.19	18.26	18.27	19.7	0.0	
100	16QAM	1	1	18.18	18.32	18.30	19.7	0.0	
100	256QAM	1	1	17.93	17.92	17.86	19.5	0.2	
		Channel		649668	650000	650334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	18.26	18.14	18.25	19.7	0.0	
		Channel		649334	650000	650368	Tune-up	MPR	
		Frequency (MHz)		3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	18.19	18.19	18.26	19.7	0.0	
		Channel		649000	650000	6510			

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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)	
				650000	650000	650000			
				Channel					
				Frequency (MHz)	3750	3750	3750		
100	1/2 BPSK	1	1		21.29				
100	1/2 BPSK	1	137		21.37		22.7	0.0	
100	1/2 BPSK	1	271		21.41				
100	1/2 BPSK	135	0		21.32		22.7	0.0	
100	1/2 BPSK	135	69		21.36		22.7	0.0	
100	1/2 BPSK	135	138		21.28				
100	1/2 BPSK	270	0		21.37		22.7	0.0	
100	QPSK	1	1		21.42				
100	QPSK	1	137		21.36		22.7	0.0	
100	QPSK	1	271		21.30				
100	QPSK	135	0		21.35		22.7	0.0	
100	QPSK	135	69		21.39		22.7	0.0	
100	QPSK	135	138		21.37		22.7	0.0	
100	QPSK	270	0		21.37				
100	16QAM	1	1		21.30		22.7	0.0	
100	16QAM	1	1		21.40		22.7	0.0	
100	256QAM	1	1		21.04		21.5	1.2	
				Channel	649668	650000	650334	Tune-up MPR	
				Frequency (MHz)	3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		21.30	21.33	21.34	22.7	0.0
				Channel	649334	650000	650668	Tune-up MPR	
				Frequency (MHz)	3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		21.27	21.36	21.41	22.7	0.0
				Channel	649000	650000	651000	Tune-up MPR	
				Frequency (MHz)	3735	3750	3765	limit	(dB)
70	QPSK	1	1		21.21	21.28	21.23	22.7	0.0
				Channel	648668	650000	651334	Tune-up MPR	
				Frequency (MHz)	3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		21.21	21.30	21.32	22.7	0.0
				Channel	648334	650000	651668	Tune-up MPR	
				Frequency (MHz)	3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		21.23	21.23	21.21	22.7	0.0
				Channel	648000	650000	652000	Tune-up MPR	
				Frequency (MHz)	3720	3750	3780	limit	(dB)
40	QPSK	1	1		21.23	21.20	21.20	22.7	0.0
				Channel	647668	650000	652334	Tune-up MPR	
				Frequency (MHz)	3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		21.18	21.18	21.20	22.7	0.0
				Channel	647500	650000	652500	Tune-up MPR	
				Frequency (MHz)	3710.5	3750	3790.5	limit	(dB)
25	QPSK	1	1		21.30	21.25	21.27	22.7	0.0
				Channel	647334	650000	652668	Tune-up MPR	
				Frequency (MHz)	3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1		21.31	21.15	21.20	22.7	0.0
				Channel	647168	650000	652834	Tune-up MPR	
				Frequency (MHz)	3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1		21.24	21.31	21.20	22.7	0.0
				Channel	647000	650000	653000	Tune-up MPR	
				Frequency (MHz)	3705	3750	3795	limit	(dB)
10	QPSK	1	1		21.25	21.32	21.29	22.7	0.0



Par270 n77 Ant 7 DSI2									
BW [MHz]	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	656000	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	17.52	17.57	17.63			
100	1/2 BPSK	137		17.46	17.57	17.49	18.4	0.0	
100	1/2 BPSK	1	271	17.65	17.59	17.54			
100	1/2 BPSK	135	0	17.49	17.51	17.44	18.4	0.0	
100	1/2 BPSK	135	69	17.53	17.54	17.64	18.4	0.0	
100	1/2 BPSK	135	138	17.56	17.53	17.43			
100	1/2 BPSK	270	0	17.64	17.56	17.51	18.4	0.0	
100	QPSK	1	1	17.65	17.69	17.61			
100	QPSK	1	137	17.56	17.62	17.45	18.4	0.0	
100	QPSK	1	271	17.66	17.64	17.42			
100	QPSK	135	0	17.64	17.54	17.45	18.4	0.0	
100	QPSK	135	69	17.65	17.68	17.59	18.4	0.0	
100	QPSK	135	138	17.66	17.54	17.54			
100	QPSK	270	0	17.59	17.65	17.56	18.4	0.0	
100	16QAM	1	1	17.54	17.54	17.64	18.4	0.0	
100	16QAM	1	1	17.57	17.56	17.61	18.4	0.0	
100	256QAM	1	1	17.53	17.57	17.51	18.4	0.0	
		Channel		649668	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	17.49	17.49	17.45	18.4	0.0	
		Channel		649334	656000	662668	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	17.47	17.47	17.43	18.4	0.0	
		Channel		649000	656000	663000	Tune-up	MPR	
		Frequency (MHz)		3735.00	3840	3945.00	limit	(dB)	
70	QPSK	1	1	17.43	17.45	17.41	18.4	0.0	
		Channel		648668	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	17.44	17.48	17.47	18.4	0.0	
		Channel		648334	656000	663668	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	17.43	17.44	17.43	18.4	0.0	
		Channel		648000	656000	664000	Tune-up	MPR	
		Frequency (MHz)		3720.00	3840	3960.00	limit	(dB)	
40	QPSK	1	1	17.41	17.57	17.34	18.4	0.0	
		Channel		647668	656000	664334	Tune-up	MPR	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	17.47	17.55	17.45	18.4	0.0	
		Channel		647334	656000	664668	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	17.45	17.55	17.41	18.4	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705.00	3840	3975.00	limit	(dB)	
20	QPSK	1	1	17.50	17.55	17.49	18.4	0.0	
		Channel		6467168	656000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	17.41	17.53	17.53	18.4	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705.00	3840	3975.00	limit	(dB)	
10	QPSK	1	1	17.38	17.56	17.35	18.4	0.0	

Par270 n77 HPUE Ant 7 DSI2									
BW [MHz]	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	656000	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	20.52	20.50	20.47			
100	1/2 BPSK	1	137	20.68	20.51	20.51	21.4	0.0	
100	1/2 BPSK	1	271	20.44	20.46	20.50			
100	1/2 BPSK	135	0	20.47	20.54	20.61	21.4	0.0	
100	1/2 BPSK	135	69	20.54	20.57	20.45	21.4	0.0	
100	1/2 BPSK	135	138	20.65	20.59	20.56			
100	1/2 BPSK	270	0	20.62	20.68	20.63	21.4	0.0	
100	QPSK	1	1	20.65	20.72	20.68			
100	QPSK	1	137	20.63	20.69	20.36	21.4	0.0	
100	QPSK	1	271	20.69	20.55	20.50			
100	QPSK	135	0	20.61	20.65	20.52	21.4	0.0	
100	QPSK	135	69	20.68	20.69	20.62	21.4	0.0	
100	QPSK	135	138	20.56	20.65	20.53			
100	QPSK	270	0	20.58	20.67	20.61	21.4	0.0	
100	16QAM	1	1	20.52	20.51	20.63	21.4	0.0	
100	16QAM	1	1	20.46	20.61	20.50	21.4	0.0	
100	256QAM	1	1	20.51	20.48	20.48	21.4	0.0	
		Channel		649668	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	20.48	20.55	20.47	21.4	0.0	
		Channel		649334	656000	662668	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	20.46	20.39	20.50	21.4	0.0	
		Channel		649000	656000	663000	Tune-up	MPR	
		Frequency (MHz)		3735.00	3840	3945.00	limit	(dB)	
70	QPSK	1	1	20.48	20.41	20.50	21.4	0.0	
		Channel		648668	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	20.38	20.44	20.60	21.4	0.0	
		Channel		648334	656000	663668	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	20.43	20.51	20.43	21.4	0.0	
		Channel		648000	656000	664000	Tune-up	MPR	
		Frequency (MHz)		3720.00	3840	3960.00	limit	(dB)	
40	QPSK	1	1	20.44	20.46	20.43	21.4	0.0	
		Channel		647668	656000	664334	Tune-up	MPR	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	20.46	20.42	20.46	21.4	0.0	
		Channel		647334	656000	664668	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	20.48	20.54	20.51	21.4	0.0	
		Channel		647168	656000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	20.42	20.47	20.49	21.4	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705.00	3840	3975.00	limit	(dB)	
10	QPSK	1	1	20.48	20.41	20.49	21.4	0.0	

Par270 n78 Ant 7 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
		Frequency (MHz)		3750	3750	3750			
100	1/2 BPSK	1	1	17.92	17.92	17.92			
100	1/2 BPSK	1	137	17.56	17.56	17.56	18.4	0.0	
100	1/2 BPSK	1	271	18.02	18.02	18.02			
100	1/2 BPSK	135	0	17.99	17.99	17.99	18.4	0.0	
100	1/2 BPSK	135	69	17.87	17.87	17.87	18.4	0.0	
100	1/2 BPSK	135	138	17.91	17.91	17.91	18.4	0.0	
100	1/2 BPSK	270	0	18.04	18.04	18.04			
100	QPSK	1	1	18.05	18.05	18.05			
100	QPSK	1	137	17.96	17.96	17.96	18.4	0.0	
100	QPSK	1	271	17.96	17.96	17.96			
100	QPSK	135	0	18.01	18.01	18.01	18.4	0.0	
100	QPSK	135	69	18.03	18.03	18.03	18.4	0.0	
100	QPSK	135	138	17.92	17.92	17.92	18.4	0.0	
100	QPSK	270	0	18.02	18.02	18.02	18.4	0.0	
100	16QAM	1	1	17.93	17.93	17.93	18.4	0.0	
100	16QAM	1	1	17.92	17.92	17.92	18.4	0.0	
100	256QAM	1	1	17.94	17.94	17.94	18.4	0.0	
		Channel		649668	650000	650334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	17.86	17.93	17.84	18.4	0.0	
		Channel		649334	650000	650668	Tune-up	MPR	
		Frequency (MHz)		3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	17.86	17.96	17.81	18.4	0.0	
		Channel		649000	650000	651000	Tune-up	MPR	
		Frequency (MHz)		3735.00	3750	3765.00	limit	(dB)	
70	QPSK	1	1	17.90	17.90	17.82	18.4	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1		20.91			
100	1/2 BPSK	1	137		20.83		21.4	0.0
100	1/2 BPSK	1	271		21.05			
100	1/2 BPSK	135	0		21.03		21.4	0.0
100	1/2 BPSK	135	69		20.83		21.4	0.0
100	1/2 BPSK	135	138		20.83			
100	1/2 BPSK	270	0		21.02		21.4	0.0
100	QPSK	1	1		21.06			
100	QPSK	1	137		21.00		21.4	0.0
100	QPSK	1	271		20.95			
100	QPSK	135	0		21.01		21.4	0.0
100	QPSK	135	69		21.05		21.4	0.0
100	QPSK	135	138		20.98			
100	QPSK	270	0		21.03		21.4	0.0
100	16QAM	1	1		20.92		21.4	0.0
100	64QAM	1	1		20.84		21.4	0.0
100	256QAM	1	1		20.91		21.4	0.0
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	20.91	20.89	20.99	21.4	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	20.98	21.00	20.96	21.4	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	21.02	20.97	20.97	21.4	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	21.00	21.02	20.92	21.4	0.0
Channel				648334	650000	651688	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	20.91	20.83	20.83	21.4	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	20.92	20.90	20.93	21.4	0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	20.92	20.93	20.93	21.4	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	20.97	20.96	20.89	21.4	0.0
Channel				647334	650000	652688	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	20.92	20.91	21.03	21.4	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	21.03	21.02	20.94	21.4	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	21.01	20.92	20.99	21.4	0.0



Par270 n77 Ant 8 DSI2									
BW [MHz]	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	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	22.55	22.46	22.59			
100	1/2 BPSK	1	137	22.40	22.42	22.39	24.0	0.0	
100	1/2 BPSK	1	271	22.59	22.50	22.53			
100	1/2 BPSK	135	0	21.96	21.96	21.96	23.5	0.5	
100	1/2 BPSK	135	69	22.47	22.51	22.45	24.0	0.0	
100	1/2 BPSK	135	138	21.80	21.80	22.17			
100	1/2 BPSK	270	0	21.98	21.98	21.92	23.5	0.5	
100	QPSK	1	1	22.58	22.60	22.55			
100	QPSK	1	137	22.49	22.46	22.49	24.0	0.0	
100	QPSK	1	271	22.33	22.34	22.28			
100	QPSK	135	0	21.71	21.63	21.26	23.0	1.0	
100	QPSK	135	69	22.52	22.57	22.45	24.0	0.0	
100	QPSK	135	138	21.43	21.39	21.61			
100	QPSK	270	0	21.45	21.52	21.45	23.0	1.0	
100	16QAM	1	1	21.36	21.38	21.62	23.0	1.0	
100	16QAM	1	1	20.19	20.13	19.94	21.5	2.5	
100	256QAM	1	1	18.28	18.26	18.05	19.5	4.5	
		Channel		649688	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.43	22.50	22.50	24.0	0.0	
		Channel		649334	650000	650688	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.52	22.83	22.43	24.0	0.0	
		Channel		649000	650000	653000	Tune-up	MPR	
		Frequency (MHz)		3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.49	22.48	22.48	24.0	0.0	
		Channel		648688	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.45	22.41	22.44	24.0	0.0	
		Channel		648334	656000	663688	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.41	22.53	22.40	24.0	0.0	
		Channel		648000	650000	664000	Tune-up	MPR	
		Frequency (MHz)		3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.47	22.46	22.43	24.0	0.0	
		Channel		647688	650000	664334	Tune-up	MPR	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.49	22.40	22.53	24.0	0.0	
		Channel		647500	656000	664500	Tune-up	MPR	
		Frequency (MHz)		3712.5	3840	3975.5	limit	(dB)	
25	QPSK	1	1	22.41	22.44	22.43	24.0	0.0	
		Channel		647334	656000	664688	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.50	22.43	22.41	24.0	0.0	
		Channel		647168	650000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.53	22.46	22.50	24.0	0.0	
		Channel		647000	650000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.46	22.45	22.54	24.0	0.0	

Par270 n77 HPUE Ant 8 DSI2									
BW [MHz]	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	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	26.72	26.75	26.70			
100	1/2 BPSK	1	137	25.62	25.66	25.62	27.0	0.0	
100	1/2 BPSK	1	271	26.76	26.71	26.76			
100	1/2 BPSK	135	0	26.17	26.23	26.22	26.5	0.5	
100	1/2 BPSK	135	69	26.74	26.67	26.71	27.0	0.0	
100	1/2 BPSK	135	138	25.08	25.09	25.28	26.5	0.5	
100	1/2 BPSK	270	0	26.20	26.14	26.17			
100	QPSK	1	1	26.55	26.78	26.63			
100	QPSK	1	137	25.75	25.61	25.67	27.0	0.0	
100	QPSK	1	271	26.52	26.54	26.50			
100	QPSK	135	0	24.81	24.88	24.56	26.0	1.0	
100	QPSK	135	69	26.69	26.75	26.65	27.0	0.0	
100	QPSK	135	138	24.70	24.66	24.85			
100	QPSK	270	0	24.64	24.71	24.63	26.0	1.0	
100	16QAM	1	1	24.59	24.67	24.77	26.0	1.0	
100	16QAM	1	1	23.32	23.38	23.15	24.5	2.5	
100	256QAM	1	1	21.51	21.51	21.25	22.5	4.5	
		Channel		649688	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	26.65	26.68	26.67	27.0	0.0	
		Channel		649334	650000	662688	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	26.71	26.74	26.71	27.0	0.0	
		Channel		649000	650000	663000	Tune-up	MPR	
		Frequency (MHz)		3735	3840	3945	limit	(dB)	
70	QPSK	1	1	26.64	26.66	26.67	27.0	0.0	
		Channel		648688	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	26.68	26.66	26.68	27.0	0.0	
		Channel		648334	656000	663688	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	26.70	26.69	26.69	27.0	0.0	
		Channel		648000	650000	664000	Tune-up	MPR	
		Frequency (MHz)		3720	3840	3960	limit	(dB)	
40	QPSK	1	1	26.71	26.65	26.73	27.0	0.0	
		Channel		647688	650000	664334	Tune-up	MPR	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	26.61	26.63	26.74	27.0	0.0	
		Channel		647500	656000	664500	Tune-up	MPR	
		Frequency (MHz)		3712.5	3840	3975.5	limit	(dB)	
25	QPSK	1	1	26.69	26.72	26.60	27.0	0.0	
		Channel		647334	656000	664688	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	26.63	26.66	26.69	27.0	0.0	
		Channel		647168	650000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	26.68	26.67	26.68	27.0	0.0	
		Channel		647000	650000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
10	QPSK	1	1	26.69	26.69	26.67	27.0	0.0	

Par270 n78 Ant 8 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
		Frequency (MHz)		3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.5	0.5	
100	1/2 BPSK	135	69				22.38		
100	1/2 BPSK	135	138				21.70		
100	1/2 BPSK	270	0				21.91		
100	QPSK	1	1				22.42		
100	QPSK	1	137				22.35		
100	QPSK	1	271				22.24		
100	QPSK	135	0				21.68		
100	QPSK	135	69				22.40		
100	QPSK	135	138				21.41		
100	QPSK	270	0				21.42		
100	16QAM	1	1				21.34		
100	16QAM	1	1				20.14		
100	256QAM	1	1				18.08		
		Channel		649688	650000	650334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.83	22.58	22.83	24.0	0.0	
		Channel		649334	650000	650688	Tune-up	MPR	
		Frequency (MHz)		3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.32	22.35	22.32	24.0	0.0	
		Channel		649000	650000	651000	Tune-up	MPR	
		Frequency (MHz)		3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.34	22.34	22.41	24.0	0.0	
		Channel		648688	650000	651334	Tune-up	MPR	

Part270 n78 HPUE Ant 8 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	650000	650000			
				Channel					
				Frequency (MHz)	3750	3750	3750		
100	1/2 BPSK	1	1		25.33				
100	1/2 BPSK	1	137		25.31		27.0	0.0	
100	1/2 BPSK	1	271		25.39				
100	1/2 BPSK	135	0		24.73		26.5	0.5	
100	1/2 BPSK	135	69		25.28		27.0	0.0	
100	1/2 BPSK	135	138		24.68		26.5	0.5	
100	1/2 BPSK	270	0		24.80				
100	QPSK	1	1		25.44				
100	QPSK	1	137		25.35		27.0	0.0	
100	QPSK	1	271		25.23				
100	QPSK	135	0		24.36		26.0	1.0	
100	QPSK	135	69		25.42		27.0	0.0	
100	QPSK	135	138		24.25		26.0	1.0	
100	QPSK	270	0		24.45				
100	16QAM	1	1		24.30		26.0	1.0	
100	16QAM	1	1		22.92		24.5	2.5	
100	256QAM	1	1		20.99		22.5	4.5	
				Channel	649668	650000	650334	Tune-up	MPR
				Frequency (MHz)	3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		25.83	25.30	25.19	27.0	0.0
				Channel	649334	650000	650668	Tune-up	MPR
				Frequency (MHz)	3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		25.31	25.30	25.34	27.0	0.0
				Channel	649000	650000	651000	Tune-up	MPR
				Frequency (MHz)	3735	3750	3765	limit	(dB)
70	QPSK	1	1		25.27	25.33	25.22	27.0	0.0
				Channel	648668	650000	651334	Tune-up	MPR
				Frequency (MHz)	3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		25.21	25.22	25.30	27.0	0.0
				Channel	648334	650000	651668	Tune-up	MPR
				Frequency (MHz)	3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		25.27	25.35	25.28	27.0	0.0
				Channel	648000	650000	652000	Tune-up	MPR
				Frequency (MHz)	3720	3750	3780	limit	(dB)
40	QPSK	1	1		25.27	25.23	25.34	27.0	0.0
				Channel	647668	650000	652334	Tune-up	MPR
				Frequency (MHz)	3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		25.33	25.22	25.31	27.0	0.0
				Channel	647334	650000	652668	Tune-up	MPR
				Frequency (MHz)	647500	650000	652500	limit	(dB)
25	QPSK	1	1		25.19.5	3750	3767.5	limit	(dB)
				Channel	647000	650000	653000	Tune-up	MPR
				Frequency (MHz)	3705	3750	3795	limit	(dB)
20	QPSK	1	1		25.31	25.29	25.26	27.0	0.0
				Channel	647168	650000	652834	Tune-up	MPR
				Frequency (MHz)	3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1		25.25	25.35	25.22	27.0	0.0
				Channel	647000	650000	653000	Tune-up	MPR
				Frequency (MHz)	3705	3750	3795	limit	(dB)
10	QPSK	1	1		25.31	25.29	25.26	27.0	0.0



Reduced Power Mode for DSI3

n5 Ant 0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	22.59	22.53	22.58			
20	1/2 BPSK	1	53	22.62	22.59	22.48	24.0	0.0	
20	1/2 BPSK	1	104	22.57	22.68	22.61			
20	1/2 BPSK	50	0	22.09	21.98	22.10	23.5	0.5	
20	1/2 BPSK	50	28	22.50	22.51	22.57	24.0	0.0	
20	1/2 BPSK	50	56	22.05	22.09	22.06			
20	1/2 BPSK	100	0	22.16	22.13	22.08	23.5	0.5	
20	QPSK	1	1	22.66	22.68	22.59			
20	QPSK	1	53	22.66	22.53	22.59	24.0	0.0	
20	QPSK	1	104	22.42	22.46	22.45			
20	QPSK	50	0	21.54	21.52	21.51	23.0	1.0	
20	QPSK	50	28	22.54	22.65	22.63	24.0	0.0	
20	QPSK	50	56	21.57	21.55	21.66	23.0	1.0	
20	QPSK	100	0	21.66	21.70	21.68			
20	16QAM	1	1	21.59	21.81	21.55	23.0	1.0	
20	64QAM	1	1	20.17	20.15	20.17	21.5	2.5	
20	256QAM	1	1	18.17	18.17	18.33	19.5	4.5	
Channel				168300	167300	168300	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)	
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up	MPR	
Frequency (MHz)				829	836.5	844	limit	(dB)	
10	QPSK	1	1	22.53	22.66	22.51	24.0	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)	
5	QPSK	1	1	22.59	22.55	22.56	24.0	0.0	

n26 Ant 0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	22.60	22.56	22.59			
20	1/2 BPSK	1	53	22.56	22.49	22.44	24.0	0.0	
20	1/2 BPSK	1	104	22.51	22.66	22.61			
20	1/2 BPSK	50	0	22.04	22.00	22.09	23.5	0.5	
20	1/2 BPSK	50	28	22.39	22.43	22.60	24.0	0.0	
20	1/2 BPSK	50	56	22.03	22.05	22.08			
20	1/2 BPSK	100	0	22.04	22.08	21.98	23.5	0.5	
20	QPSK	1	1	22.67	22.68	22.65			
20	QPSK	1	53	22.65	22.47	22.47	24.0	0.0	
20	QPSK	1	104	22.38	22.37	22.33			
20	QPSK	50	0	21.57	21.52	21.49	23.0	1.0	
20	QPSK	50	28	22.58	22.64	22.58	24.0	0.0	
20	QPSK	50	56	21.53	21.51	21.61	23.0	1.0	
20	QPSK	100	0	21.54	21.62	21.59			
20	16QAM	1	1	21.50	21.49	21.51	23.0	1.0	
20	64QAM	1	1	20.24	20.13	20.19	21.5	2.5	
20	256QAM	1	1	18.20	18.20	18.37	19.5	4.5	
Channel				164300	166300	168300	Tune-up	MPR	
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)	
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up	MPR	
Frequency (MHz)				818	831.5	844	limit	(dB)	
10	QPSK	1	1	22.61	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up	MPR	
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)	
5	QPSK	1	1	22.54	22.64	22.45	24.0	0.0	

n71 Ant 0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	1/2 BPSK	1	1	22.51	22.52	22.55			
20	1/2 BPSK	1	53	22.48	22.54	22.33	24.0	0.0	
20	1/2 BPSK	1	104	22.52	22.55	22.48			
20	1/2 BPSK	50	0	22.02	21.92	21.83	23.5	0.5	
20	1/2 BPSK	50	28	22.42	22.46	22.44	24.0	0.0	
20	1/2 BPSK	50	56	21.92	22.04	21.94			
20	1/2 BPSK	100	0	22.07	21.96	22.01	23.5	0.5	
20	QPSK	1	1	22.54	22.57	22.63			
20	QPSK	1	53	22.52	22.44	22.52	24.0	0.0	
20	QPSK	1	104	22.33	22.40	22.27			
20	QPSK	50	0	21.41	21.41	21.37	23.0	1.0	
20	QPSK	50	28	22.46	22.55	22.54	24.0	0.0	
20	QPSK	50	56	21.42	21.49	21.49	23.0	1.0	
20	QPSK	100	0	21.57	21.58	21.57			
20	16QAM	1	1	21.48	21.55	21.37	23.0	1.0	
20	64QAM	1	1	20.15	20.04	20.10	21.5	2.5	
20	256QAM	1	1	18.22	18.15	18.28	19.5	4.5	
Channel				134100	136100	138100	Tune-up	MPR	
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)	
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up	MPR	
Frequency (MHz)				668	680.5	693	limit	(dB)	
10	QPSK	1	1	22.52	22.44	22.44	24.0	0.0	
Channel				133100	136100	139100	Tune-up	MPR	
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)	
5	QPSK	1	1	22.49	22.42	22.45	24.0	0.0	



n38 Ant 0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.61	22.62	22.53			
40	1/2 BPSK	1	53	22.70	22.63	22.64	23.7	0.0	
40	1/2 BPSK	1	104	22.67	22.71	22.66			
40	1/2 BPSK	50	0	22.20	22.15	22.26	23.5	0.2	
40	1/2 BPSK	50	28	22.61	22.57	22.71	23.7	0.0	
40	1/2 BPSK	50	56	22.07	22.19	22.23	23.5	0.2	
40	1/2 BPSK	100	0	22.27	22.23	22.26			
40	QPSK	1	1	22.73	22.75	22.69			
40	QPSK	1	53	22.69	22.63	22.66	23.7	0.0	
40	QPSK	1	104	22.58	22.52	22.52			
40	QPSK	50	0	21.66	21.66	21.58	23.0	0.7	
40	QPSK	50	28	22.67	22.69	22.67	23.7	0.0	
40	QPSK	50	56	21.68	21.57	21.75			
40	QPSK	100	0	21.76	21.81	21.80	23.0	0.7	
40	16QAM	1	1	21.72	21.74	21.69	23.0	0.7	
40	64QAM	1	1	20.14	20.05	20.25	21.5	2.2	
40	256QAM	1	1	18.25	18.08	18.24	19.5	4.2	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.99	limit	(dB)	
30	QPSK	1	1	22.71	22.66	22.65	23.7	0.0	
	Channel			516504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	22.72	22.65	22.53	23.7	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit	(dB)	
20	QPSK	1	1	22.72	22.65	22.53	23.7	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)	
15	QPSK	1	1	22.60	22.65	22.53	23.7	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	22.69	22.71	22.52	23.7	0.0	

n41 Ant 0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.63	22.61	22.49			
100	1/2 BPSK	1	137	22.69	22.59	22.57	23.7	0.0	
100	1/2 BPSK	1	271	22.64	22.66	22.70			
100	1/2 BPSK	135	0	22.18	22.09	22.20	23.5	0.2	
100	1/2 BPSK	135	69	22.66	22.62	22.71	23.7	0.0	
100	1/2 BPSK	135	138	22.08	22.21	22.30	23.5	0.2	
100	1/2 BPSK	270	0	22.29	22.20	22.25			
100	QPSK	1	1	22.73	22.78	22.75			
100	QPSK	1	137	22.71	22.63	22.59	23.7	0.0	
100	QPSK	1	271	22.53	22.59	22.56			
100	QPSK	135	0	21.67	21.70	21.51	23.0	0.7	
100	QPSK	135	69	22.69	22.74	22.69	23.7	0.0	
100	QPSK	135	138	21.64	21.56	21.79	23.0	0.7	
100	QPSK	270	0	21.81	21.82	21.80	23.0	0.7	
100	16QAM	1	1	21.77	21.75	21.75	23.0	0.7	
100	64QAM	1	1	20.22	20.09	20.19	21.5	2.2	
100	256QAM	1	1	18.21	18.22	18.25	19.5	4.2	
	Channel			508200	518598	526996	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	22.65	22.74	22.65	23.7	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	22.72	22.65	22.55	23.7	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit	(dB)	
70	QPSK	1	1	22.63	22.62	22.53	23.7	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	22.65	22.67	22.60	23.7	0.0	
	Channel			504204	518598	532998	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	22.62	22.75	22.59	23.7	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	22.67	22.75	22.59	23.7	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	22.65	22.71	22.65	23.7	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
25	QPSK	1	1	22.67	22.67	22.65	23.7	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	22.73	22.73	22.66	23.7	0.0	
	Channel			500700	518598	536996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	22.73	22.69	22.59	23.7	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	22.60	22.70	22.52	23.7	0.0	



n2 Ant 1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	18.18	18.24	18.17				
40	1/2 BPSK	1	108	18.29	18.19	18.19	19.1	0.0		
40	1/2 BPSK	1	214	18.13	18.23	18.23				
40	1/2 BPSK	108	0	18.23	18.18	18.19	19.1	0.0		
40	1/2 BPSK	108	54	18.20	18.18	18.19	19.1	0.0		
40	1/2 BPSK	108	108	18.29	18.21	18.26	19.1	0.0		
40	1/2 BPSK	216	0	18.25	18.25	18.21				
40	QPSK	1	1	18.26	18.30	18.23				
40	QPSK	1	108	18.29	18.20	18.15	19.1	0.0		
40	QPSK	1	214	18.20	18.20	18.25				
40	QPSK	108	0	18.17	18.16	18.17	19.1	0.0		
40	QPSK	108	54	18.24	18.26	18.19	19.1	0.0		
40	QPSK	108	108	18.19	18.16	18.15	19.1	0.0		
40	QPSK	216	0	18.19	18.27	18.19				
40	16QAM	1	1	18.19	18.19	18.21	19.1	0.0		
40	64QAM	1	1	18.21	18.15	18.26	19.1	0.0		
40	256QAM	1	1	18.20	18.21	18.19	19.1	0.0		
Channel				373500	376000	376500	Tune-up	MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)		
35	QPSK	1	1	18.22	18.16	18.22	19.1	0.0		
Channel				373000	376000	379000	Tune-up	MPR		
Frequency (MHz)				1865	1880	1895	limit	(dB)		
30	QPSK	1	1	18.18	18.17	18.18	19.1	0.0		
Channel				372500	376000	379500	Tune-up	MPR		
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)		
25	QPSK	1	1	18.23	18.23	18.21	19.1	0.0		
Channel				372000	376000	380000	Tune-up	MPR		
Frequency (MHz)				1860	1880	1900	limit	(dB)		
20	QPSK	1	1	18.18	18.22	18.16	19.1	0.0		
Channel				371500	376000	381000	Tune-up	MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)		
15	QPSK	1	1	18.28	18.27	18.19	19.1	0.0		
Channel				371000	376000	381000	Tune-up	MPR		
Frequency (MHz)				1855	1880	1905	limit	(dB)		
10	QPSK	1	1	18.15	18.29	18.12	19.1	0.0		
Channel				370500	376000	381500	Tune-up	MPR		
Frequency (MHz)				1852.5	1880	1897.5	limit	(dB)		
5	QPSK	1	1	18.24	18.19	18.20	19.1	0.0		

n5 Ant 1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	167300	167800				
Frequency (MHz)				834	836.5	839				
20	1/2 BPSK	1	1	22.24	22.32	22.30				
20	1/2 BPSK	1	53	22.47	22.34	22.28	24.0	0.0		
20	1/2 BPSK	1	104	22.44	22.37	22.36				
20	1/2 BPSK	50	0	21.88	21.88	21.99	23.5	0.5		
20	1/2 BPSK	50	28	22.26	22.29	22.39	24.0	0.0		
20	1/2 BPSK	50	56	21.83	21.90	21.94	23.5	0.5		
20	1/2 BPSK	100	0	22.02	21.89	21.98				
20	QPSK	1	1	22.44	22.48	22.43				
20	QPSK	1	53	22.46	22.40	22.31	24.0	0.0		
20	QPSK	1	104	22.34	22.27	22.29				
20	QPSK	50	0	21.30	21.44	21.34	23.0	1.0		
20	QPSK	50	28	22.39	22.47	22.34	24.0	0.0		
20	QPSK	50	56	21.45	21.34	21.41	23.0	1.0		
20	QPSK	100	0	21.44	21.53	21.52	23.0	1.0		
20	16QAM	1	1	21.45	21.37	21.31	23.0	1.0		
20	64QAM	1	1	20.15	20.13	20.17	21.5	2.5		
20	256QAM	1	1	18.12	18.12	18.23	19.5	4.5		
Channel				166300	167300	168300	Tune-up	MPR		
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)		
15	QPSK	1	1	22.29	22.45	22.36	24.0	0.0		
Channel				165800	167300	168800	Tune-up	MPR		
Frequency (MHz)				829	836.5	844	limit	(dB)		
10	QPSK	1	1	22.32	22.46	22.27	24.0	0.0		
Channel				165300	167300	169300	Tune-up	MPR		
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)		
5	QPSK	1	1	22.39	22.44	22.25	24.0	0.0		

n7 Ant 1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	20.16	20.13	20.06				
40	1/2 BPSK	1	108	20.10	20.12	20.08	21.6	0.0		
40	1/2 BPSK	1	214	20.15	20.08	20.07				
40	1/2 BPSK	108	0	20.10	20.14	20.15	21.6	0.0		
40	1/2 BPSK	108	54	20.04	20.15	20.17	21.6	0.0		
40	1/2 BPSK	108	108	20.09	20.24	20.08	21.6	0.0		
40	1/2 BPSK	216	0	20.12	20.09	20.21				
40	QPSK	1	1	20.21	20.25	20.15				
40	QPSK	1	108	20.12	20.12	20.11	21.6	0.0		
40	QPSK	1	214	20.15	20.16	20.21				
40	QPSK	108	0	20.02	20.08	20.08	21.6	0.0		
40	QPSK	108	54	20.11	20.23	20.11	21.6	0.0		
40	QPSK	108	108	20.02	20.15	20.17	21.6	0.0		
40	QPSK	216	0	20.15	20.22	20.15				
40	16QAM	1	1	20.05	20.20	20.20	21.6	0.0		
40	64QAM	1	1	20.05	20.22	20.17	21.5	0.1		
40	256QAM	1	1	18.26	18.19	18.15	19.5	2.1		
Channel				503000	507000	511000	Tune-up	MPR		
Frequency (MHz)				2515	2535	2555	limit	(dB)		
30	QPSK	1	1	20.04	20.10	20.15	21.6	0.0		
Channel				502500	507000	511500	Tune-up	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)		
25	QPSK	1	1	20.11	20.14	20.01	21.6	0.0		
Channel				502000	507000	512000	Tune-up	MPR		
Frequency (MHz)				2510	2535	2560	limit	(dB)		
20	QPSK	1	1	20.03	20.20	20.02	21.6	0.0		
Channel				501500	507000	512500	Tune-up	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)		
15	QPSK	1	1	20.03	20.14	20.08	21.6	0.0		
Channel				501000	507000	513000	Tune-up	MPR		
Frequency (MHz)				2505	2535	2565	limit	(dB)		
10	QPSK	1	1	19.96	20.13	20.02	21.6	0.0		
Channel				500500	507000	513500	Tune-up	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)		
5	QPSK	1	1	19.98	20.07	20.08	21.6	0.0		



n26 Ant 1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.44	22.39	22.46				
20	1/2 BPSK	1	53	22.40	22.45	22.45	24.0	0.0		
20	1/2 BPSK	1	104	22.37	22.45	22.37				
20	1/2 BPSK	50	0	21.89	21.91	22.07	23.5	0.5		
20	1/2 BPSK	50	28	22.43	22.33	22.46	24.0	0.0		
20	1/2 BPSK	50	56	21.88	21.97	22.06				
20	1/2 BPSK	100	0	22.01	22.06	21.94	23.5	0.5		
20	QPSK	1	1	22.47	22.50	22.44				
20	QPSK	1	53	22.43	22.46	22.38	24.0	0.0		
20	QPSK	1	104	22.35	22.24	22.35				
20	QPSK	50	0	21.40	21.48	21.32	23.0	1.0		
20	QPSK	50	28	22.41	22.49	22.47	24.0	0.0		
20	QPSK	50	56	21.40	21.38	21.58				
20	QPSK	100	0	21.58	21.59	21.56	23.0	1.0		
20	16QAM	1	1	21.92	21.50	21.47	23.0	1.0		
20	64QAM	1	1	20.27	20.15	20.09	21.5	2.5		
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164300	166300	168300	Tune-up	MPR		
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)		
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0		
Channel				163800	166800	168800	Tune-up	MPR		
Frequency (MHz)				819	831.5	844	limit	(dB)		
10	QPSK	1	1	22.46	22.44	22.33	24.0	0.0		
Channel				163300	166300	169300	Tune-up	MPR		
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)		
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		

n66 Ant 1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	20.59	20.72	20.61				
40	1/2 BPSK	1	108	20.54	20.68	20.70	22.0	0.0		
40	1/2 BPSK	1	214	20.63	20.63	20.62				
40	1/2 BPSK	108	0	20.66	20.69	20.68	22.0	0.0		
40	1/2 BPSK	108	54	20.55	20.71	20.57	22.0	0.0		
40	1/2 BPSK	108	108	20.67	20.60	20.63				
40	1/2 BPSK	216	0	20.57	20.71	20.65	22.0	0.0		
40	QPSK	1	1	20.67	20.73	20.70				
40	QPSK	1	108	20.66	20.65	20.71	22.0	0.0		
40	QPSK	1	214	20.58	20.61	20.69				
40	QPSK	108	0	20.64	20.65	20.61	22.0	0.0		
40	QPSK	108	54	20.61	20.71	20.66	22.0	0.0		
40	QPSK	108	108	20.61	20.64	20.61				
40	QPSK	216	0	20.58	20.68	20.63	22.0	0.0		
40	16QAM	1	1	20.53	20.63	20.70	22.0	0.0		
40	64QAM	1	1	20.67	20.66	20.70	21.5	0.5		
40	256QAM	1	1	18.36	18.27	18.34	19.5	2.5		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	20.49	20.60	20.59	22.0	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	20.49	20.65	20.61	22.0	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	20.57	20.70	20.52	22.0	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	20.52	20.66	20.61	22.0	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	20.54	20.55	20.55	22.0	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	20.59	20.62	20.56	22.0	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	20.52	20.58	20.55	22.0	0.0		

n71 Ant 1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	136100	137600				
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.45	22.44	22.46				
20	1/2 BPSK	1	53	22.42	22.53	22.46	24.0	0.0		
20	1/2 BPSK	1	104	22.43	22.48	22.37				
20	1/2 BPSK	50	0	21.77	21.95	22.05	23.5	0.5		
20	1/2 BPSK	50	28	22.37	22.45	22.47	24.0	0.0		
20	1/2 BPSK	50	56	21.79	21.83	21.87				
20	1/2 BPSK	100	0	21.38	21.93	21.85	23.5	0.5		
20	QPSK	1	1	22.46	22.54	22.49				
20	QPSK	1	53	22.42	22.35	22.39	24.0	0.0		
20	QPSK	1	104	22.29	22.32	22.38				
20	QPSK	50	0	21.38	21.68	21.26	23.0	1.0		
20	QPSK	50	28	22.43	22.49	22.44	24.0	0.0		
20	QPSK	50	56	21.39	21.41	21.53				
20	QPSK	100	0	21.45	21.59	21.42	23.0	1.0		
20	16QAM	1	1	21.48	21.41	21.41	23.0	1.0		
20	64QAM	1	1	20.21	20.08	20.02	21.5	2.5		
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	136100	138100	Tune-up	MPR		
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)		
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0		
Channel				133600	136100	138600	Tune-up	MPR		
Frequency (MHz)				668	680.5	692	limit	(dB)		
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	136100	139100	Tune-up	MPR		
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)		
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		



n38 Ant 1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.25	20.26	20.14			
40	1/2 BPSK	1	53	20.23	20.16	20.14	21.3	0.0	
40	1/2 BPSK	1	104	20.26	20.23	20.16			
40	1/2 BPSK	50	0	20.26	20.17	20.21	21.3	0.0	
40	1/2 BPSK	50	28	20.18	20.16	20.24	21.3	0.0	
40	1/2 BPSK	50	56	20.25	20.19	20.24			
40	1/2 BPSK	100	0	20.16	20.19	20.20	21.3	0.0	
40	QPSK	1	1	20.17	20.27	20.25			
40	QPSK	1	53	20.22	20.22	20.12	21.3	0.0	
40	QPSK	1	104	20.22	20.20	20.25			
40	QPSK	50	0	20.18	20.21	20.23	21.3	0.0	
40	QPSK	50	28	20.23	20.25	20.18	21.3	0.0	
40	QPSK	50	56	20.15	20.20	20.22			
40	QPSK	100	0	20.21	20.23	20.16	21.3	0.0	
40	16QAM	1	1	20.21	20.22	20.12	21.3	0.0	
40	64QAM	1	1	20.20	20.23	20.24	21.3	0.0	
40	256QAM	1	1	18.19	18.28	18.27	19.5	1.8	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.98	limit	(dB)	
30	QPSK	1	1	20.10	20.13	20.04	21.3	0.0	
	Channel			516504	518000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	20.04	20.16	20.01	21.3	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit	(dB)	
20	QPSK	1	1	20.09	20.15	20.16	21.3	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)	
15	QPSK	1	1	20.15	20.08	20.11	21.3	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	20.04	20.09	20.07	21.3	0.0	

n41 Ant 1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.13	20.15	20.20			
100	1/2 BPSK	1	137	20.19	20.11	20.26	21.3	0.0	
100	1/2 BPSK	1	271	20.28	20.10	20.13			
100	1/2 BPSK	135	0	20.20	20.20	20.12	21.3	0.0	
100	1/2 BPSK	135	69	20.23	20.22	20.18	21.3	0.0	
100	1/2 BPSK	135	138	20.24	20.25	20.13			
100	1/2 BPSK	270	0	20.26	20.22	20.18	21.3	0.0	
100	QPSK	1	1	20.28	20.29	20.25			
100	QPSK	1	137	20.23	20.27	20.24	21.3	0.0	
100	QPSK	1	271	20.27	20.25	20.16			
100	QPSK	135	0	20.22	20.15	20.17	21.3	0.0	
100	QPSK	135	69	20.21	20.27	20.25	21.3	0.0	
100	QPSK	135	138	20.23	20.22	20.23	21.3	0.0	
100	QPSK	270	0	20.23	20.25	20.24			
100	16QAM	1	1	20.24	20.25	20.26	21.3	0.0	
100	64QAM	1	1	20.27	20.16	20.18	21.3	0.0	
100	256QAM	1	1	18.21	18.35	18.26	19.5	1.8	
	Channel			506200	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	20.11	20.19	20.08	21.3	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	20.15	20.05	20.16	21.3	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit	(dB)	
70	QPSK	1	1	20.15	20.07	20.16	21.3	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2528	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	20.13	20.17	20.08	21.3	0.0	
	Channel			504204	518598	532998	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	20.05	20.13	20.14	21.3	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	20.10	20.10	20.08	21.3	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	20.16	20.05	20.13	21.3	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
25	QPSK	1	1	20.10	20.11	20.03	21.3	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	20.07	20.09	20.17	21.3	0.0	
	Channel			500700	518598	537996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	20.12	20.05	20.08	21.3	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	20.18	20.14	20.05	21.3	0.0	



n2 Ant 2 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	19.99	20.06	20.08				
40	1/2 BPSK	1	108	20.10	20.07	20.00	21.0	0.0		
40	1/2 BPSK	1	214	20.08	20.10	20.02				
40	1/2 BPSK	108	0	19.98	20.10	19.95	21.0	0.0		
40	1/2 BPSK	108	54	20.10	20.11	19.96	21.0	0.0		
40	1/2 BPSK	108	108	19.96	20.08	20.06				
40	1/2 BPSK	216	0	20.10	20.05	20.04	21.0	0.0		
40	QPSK	1	1	20.09	20.12	20.08				
40	QPSK	1	108	20.07	20.11	20.06	21.0	0.0		
40	QPSK	1	214	19.97	20.07	20.02				
40	QPSK	108	0	19.98	20.01	20.03	21.0	0.0		
40	QPSK	108	54	20.07	20.10	20.05	21.0	0.0		
40	QPSK	108	108	20.03	20.03	20.08				
40	QPSK	216	0	20.07	20.08	20.07	21.0	0.0		
40	16QAM	1	1	19.98	20.00	20.05	21.0	0.0		
40	64QAM	1	1	20.08	20.04	19.97	21.0	0.0		
40	256QAM	1	1	18.24	18.06	18.05	19.5	1.5		
Channel				373500	376000	378500	Tune-up	MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)		
35	QPSK	1	1	19.98	20.02	19.94	21.0	0.0		
Channel				373000	376000	379000	Tune-up	MPR		
Frequency (MHz)				1865	1880	1895	limit	(dB)		
30	QPSK	1	1	19.96	19.97	19.93	21.0	0.0		
Channel				372500	376000	379500	Tune-up	MPR		
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)		
25	QPSK	1	1	19.94	20.00	19.96	21.0	0.0		
Channel				372000	376000	380000	Tune-up	MPR		
Frequency (MHz)				1860	1880	1900	limit	(dB)		
20	QPSK	1	1	19.97	20.00	19.91	21.0	0.0		
Channel				371500	374000	381000	Tune-up	MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)		
15	QPSK	1	1	19.88	20.01	19.98	21.0	0.0		
Channel				371000	376000	381000	Tune-up	MPR		
Frequency (MHz)				1855	1880	1905	limit	(dB)		
10	QPSK	1	1	19.88	20.01	19.94	21.0	0.0		
Channel				370500	376000	381500	Tune-up	MPR		
Frequency (MHz)				1852.5	1880	1907.5	limit	(dB)		
5	QPSK	1	1	19.50	19.88	19.85	21.0	0.0		

n7 Ant 2 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	19.90	20.05	20.00				
40	1/2 BPSK	1	108	19.99	19.96	19.96	21.0	0.0		
40	1/2 BPSK	1	214	20.08	20.08	19.92				
40	1/2 BPSK	108	0	19.84	20.05	19.90	21.0	0.0		
40	1/2 BPSK	108	54	20.02	20.01	19.97	21.0	0.0		
40	1/2 BPSK	108	108	19.99	19.98	20.02				
40	1/2 BPSK	216	0	20.04	19.96	19.92	21.0	0.0		
40	QPSK	1	1	20.05	20.09	20.07				
40	QPSK	1	108	20.04	19.99	20.01	21.0	0.0		
40	QPSK	1	214	19.93	20.06	19.96				
40	QPSK	108	0	19.95	20.00	19.97	21.0	0.0		
40	QPSK	108	54	20.03	20.07	20.05	21.0	0.0		
40	QPSK	108	108	19.98	19.97	20.02				
40	QPSK	216	0	20.01	20.05	20.03	21.0	0.0		
40	16QAM	1	1	19.86	19.98	20.04	21.0	0.0		
40	64QAM	1	1	20.08	20.04	19.98	21.0	0.0		
40	256QAM	1	1	18.15	18.15	18.06	19.5	1.5		
Channel				503500	507000	510500	Tune-up	MPR		
Frequency (MHz)				2515	2535	2555	limit	(dB)		
30	QPSK	1	1	19.91	19.96	19.98	21.0	0.0		
Channel				502500	507000	511500	Tune-up	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)		
25	QPSK	1	1	20.01	19.97	19.97	21.0	0.0		
Channel				502000	507000	512000	Tune-up	MPR		
Frequency (MHz)				2510	2535	2560	limit	(dB)		
20	QPSK	1	1	19.95	20.01	20.01	21.0	0.0		
Channel				501500	507000	512500	Tune-up	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)		
15	QPSK	1	1	19.96	20.07	20.07	21.0	0.0		
Channel				501000	507000	513000	Tune-up	MPR		
Frequency (MHz)				2505	2535	2565	limit	(dB)		
10	QPSK	1	1	19.96	20.03	20.09	21.0	0.0		
Channel				500500	507000	513500	Tune-up	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)		
5	QPSK	1	1	19.93	19.98	20.00	21.0	0.0		

n66 Ant 2 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	19.53	19.56	19.50				
40	1/2 BPSK	1	108	19.49	19.50	19.51	20.9	0.0		
40	1/2 BPSK	1	214	19.49	19.57	19.51				
40	1/2 BPSK	108	0	19.55	19.54	19.51	20.9	0.0		
40	1/2 BPSK	108	54	19.50	19.55	19.48	20.9	0.0		
40	1/2 BPSK	108	108	19.58	19.49	19.54				
40	1/2 BPSK	216	0	19.60	19.50	19.57	20.9	0.0		
40	QPSK	1	1	19.52	19.65	19.58				
40	QPSK	1	108	19.47	19.54	19.53	20.9	0.0		
40	QPSK	1	214	19.49	19.64	19.44				
40	QPSK	108	0	19.57	19.61	19.57	20.9	0.0		
40	QPSK	108	54	19.59	19.63	19.57	20.9	0.0		
40	QPSK	108	108	19.57	19.59	19.55				
40	QPSK	216	0	19.55	19.60	19.51	20.9	0.0		
40	16QAM	1	1	19.59	19.52	19.47	20.9	0.0		
40	64QAM	1	1	19.57	19.52	19.51	20.9	0.0		
40	256QAM	1	1	18.12	18.21	18.13	19.5	1.4		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	19.51	19.50	19.49	20.9	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	19.51	19.51	19.47	20.9	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	19.54	19.50	19.53	20.9	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	19.60	19.52	19.45	20.9	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	19.47	19.54	19.49	20.9	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	19.51	19.51	19.52	20.9	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	19.61	19.54	19.56	20.9	0.0		



n38 Ant 2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.53	20.57	20.54	21.4	0.0	
40	1/2 BPSK	1	53	20.53	20.60	20.44			
40	1/2 BPSK	1	104	20.55	20.49	20.59			
40	1/2 BPSK	50	0	20.51	20.50	20.50	21.4	0.0	
40	1/2 BPSK	50	28	20.54	20.54	20.57	21.4	0.0	
40	1/2 BPSK	50	56	20.55	20.55	20.47	21.4	0.0	
40	1/2 BPSK	100	0	20.54	20.57	20.56			
40	QPSK	1	1	20.52	20.62	20.55			
40	QPSK	1	53	20.50	20.60	20.45	21.4	0.0	
40	QPSK	1	104	20.47	20.50	20.58	21.4	0.0	
40	QPSK	50	0	20.51	20.55	20.50	21.4	0.0	
40	QPSK	50	28	20.44	20.61	20.52	21.4	0.0	
40	QPSK	50	56	20.45	20.60	20.44	21.4	0.0	
40	QPSK	100	0	20.50	20.56	20.53			
40	16QAM	1	1	20.55	20.61	20.51	21.4	0.0	
40	64QAM	1	1	20.33	20.11	20.10	21.4	0.0	
40	256QAM	1	1	18.26	18.17	18.17	19.5	1.9	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.98	limit		
30	QPSK	1	1	20.42	20.50	20.56	21.4	0.0	
	Channel			516504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit		
25	QPSK	1	1	20.53	20.54	20.52	21.4	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit		
20	QPSK	1	1	20.46	20.60	20.47	21.4	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit		
15	QPSK	1	1	20.47	20.48	20.49	21.4	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit		
10	QPSK	1	1	20.45	20.55	20.50	21.4	0.0	

n41 Ant 2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.47	20.62	20.53	21.4	0.0	
100	1/2 BPSK	1	137	20.43	20.59	20.48			
100	1/2 BPSK	1	271	20.46	20.50	20.53			
100	1/2 BPSK	135	0	20.47	20.55	20.52	21.4	0.0	
100	1/2 BPSK	135	69	20.54	20.53	20.43	21.4	0.0	
100	1/2 BPSK	135	138	20.52	20.58	20.44	21.4	0.0	
100	1/2 BPSK	270	0	20.46	20.52	20.57			
100	QPSK	1	1	20.57	20.65	20.55			
100	QPSK	1	137	20.43	20.62	20.53	21.4	0.0	
100	QPSK	1	271	20.52	20.61	20.52			
100	QPSK	135	0	20.47	20.62	20.48	21.4	0.0	
100	QPSK	135	69	20.56	20.63	20.48	21.4	0.0	
100	QPSK	135	138	20.54	20.62	20.48	21.4	0.0	
100	QPSK	270	0	20.52	20.61	20.57			
100	16QAM	1	1	20.52	20.54	20.55	21.4	0.0	
100	64QAM	1	1	20.28	20.15	20.07	21.4	0.0	
100	256QAM	1	1	18.22	18.16	18.10	19.5	1.9	
	Channel			508200	518598	528996	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit		
90	QPSK	1	1	20.54	20.51	20.55	21.4	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit		
80	QPSK	1	1	20.55	20.62	20.51	21.4	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2655	limit		
70	QPSK	1	1	20.55	20.61	20.55	21.4	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2528	2592.99	2659.98	limit		
60	QPSK	1	1	20.42	20.57	20.44	21.4	0.0	
	Channel			504204	518598	532996	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit		
50	QPSK	1	1	20.48	20.59	20.48	21.4	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit		
40	QPSK	1	1	20.47	20.53	20.55	21.4	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit		
30	QPSK	1	1	20.54	20.59	20.55	21.4	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
25	QPSK	1	1	20.51	20.58	20.53	21.4	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
20	QPSK	1	1	20.46	20.62	20.52	21.4	0.0	
	Channel			500700	518598	537996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit		
15	QPSK	1	1	20.57	20.62	20.55	21.4	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit		
10	QPSK	1	1	20.54	20.60	20.55	21.4	0.0	



n38 Ant 3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.98	21.04	20.93	22.5	0.0	
40	1/2 BPSK	1	53	20.96	21.09	20.98			
40	1/2 BPSK	1	104	21.06	21.02	20.96			
40	1/2 BPSK	50	0	21.03	21.07	20.98	22.5	0.0	
40	1/2 BPSK	50	28	21.00	21.02	21.02	22.5	0.0	
40	1/2 BPSK	50	56	20.94	21.00	21.01	22.5	0.0	
40	1/2 BPSK	100	0	21.04	21.09	20.96			
40	QPSK	1	1	21.05	21.12	21.08			
40	QPSK	1	53	20.91	21.09	21.04	22.5	0.0	
40	QPSK	1	104	21.02	21.00	21.03			
40	QPSK	50	0	21.06	21.06	21.07	22.5	0.0	
40	QPSK	50	28	21.06	21.11	21.08	22.5	0.0	
40	QPSK	50	56	20.92	21.08	21.05	22.5	0.0	
40	QPSK	100	0	21.05	21.08	21.03			
40	16QAM	1	1	20.91	21.08	20.95	22.5	0.0	
40	64QAM	1	1	20.15	20.09	20.14	21.5	1.0	
40	256QAM	1	1	18.14	18.17	18.09	19.5	3.0	
	Channel			517002	518000	520998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2585.01	2595	2604.99			
30	QPSK	1	1	20.95	21.03	20.94	22.5	0.0	
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2582.52	2595	2607.48			
25	QPSK	1	1	21.04	21.01	20.97	22.5	0.0	
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2580	2595	2610			
20	QPSK	1	1	20.95	21.01	20.99	22.5	0.0	
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2577.51	2595	2612.49			
15	QPSK	1	1	20.93	21.02	21.02	22.5	0.0	
	Channel			515004	519000	522998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98			
10	QPSK	1	1	20.96	21.10	21.06	22.5	0.0	

n41 Ant 3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.99	21.10	21.02	22.5	0.0	
100	1/2 BPSK	1	137	21.09	21.17	21.04			
100	1/2 BPSK	1	271	21.09	21.13	20.99			
100	1/2 BPSK	135	0	21.11	21.09	21.09	22.5	0.0	
100	1/2 BPSK	135	69	21.02	21.09	21.01	22.5	0.0	
100	1/2 BPSK	135	138	21.08	21.12	20.99	22.5	0.0	
100	1/2 BPSK	270	0	21.02	21.15	21.09			
100	QPSK	1	1	21.09	21.18	21.08			
100	QPSK	1	137	21.00	21.16	21.04	22.5	0.0	
100	QPSK	1	271	21.05	21.13	21.10			
100	QPSK	135	0	21.08	21.08	21.09	22.5	0.0	
100	QPSK	135	69	21.11	21.15	21.13	22.5	0.0	
100	QPSK	135	138	21.03	21.08	21.04	22.5	0.0	
100	QPSK	270	0	21.07	21.14	21.12			
100	16QAM	1	1	21.04	21.13	21.11	22.5	0.0	
100	64QAM	1	1	20.39	20.22	20.10	21.5	1.0	
100	256QAM	1	1	18.21	18.20	18.23	19.5	3.0	
	Channel			506200	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2592.99	2644.98			
90	QPSK	1	1	21.10	21.04	20.99	22.5	0.0	
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2538.02	2592.99	2644.99			
80	QPSK	1	1	20.98	21.11	21.11	22.5	0.0	
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2592.99	2655			
70	QPSK	1	1	21.03	21.03	21.07	22.5	0.0	
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2528	2592.99	2659.98			
60	QPSK	1	1	21.03	21.11	21.06	22.5	0.0	
	Channel			504204	518598	532998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99			
50	QPSK	1	1	21.01	21.13	20.98	22.5	0.0	
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2592.99	2670			
40	QPSK	1	1	20.96	21.04	21.02	22.5	0.0	
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2592.99	2674.98			
30	QPSK	1	1	21.05	21.15	21.03	22.5	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99			
25	QPSK	1	1	20.98	21.09	21.05	22.5	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99			
20	QPSK	1	1	21.10	21.05	21.11	22.5	0.0	
	Channel			500700	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48			
15	QPSK	1	1	20.99	21.14	21.10	22.5	0.0	
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2592.99	2685			
10	QPSK	1	1	21.04	21.12	21.12	22.5	0.0	



Par270 n77 Ant 4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	656000	662000			
				3750	3840	3930			
100	1/2 BPSK	1	1	18.96	19.07	18.82			
100	1/2 BPSK	1	137	19.09	19.08	19.05	20.6	0.0	
100	1/2 BPSK	1	271	19.10	19.11	18.97			
100	1/2 BPSK	135	0	19.04	19.11	19.05	20.6	0.0	
100	1/2 BPSK	135	69	19.09	19.13	18.97	20.6	0.0	
100	1/2 BPSK	135	138	19.01	19.13	18.99			
100	1/2 BPSK	270	0	19.08	19.07	18.91			
100	QPSK	1	1	19.10	19.15	19.07			
100	QPSK	1	137	19.07	19.09	18.92	20.6	0.0	
100	QPSK	1	271	19.03	19.14	18.98			
100	QPSK	135	0	19.07	19.02	18.92	20.6	0.0	
100	QPSK	135	69	19.02	19.14	19.08	20.6	0.0	
100	QPSK	135	138	19.02	19.10	18.98			
100	QPSK	270	0	19.07	19.12	19.11			
100	16QAM	1	1	19.04	19.14	18.91	20.6	0.0	
100	16QAM	1	1	18.96	19.03	18.99	20.6	0.0	
100	256QAM	1	1	18.18	18.13	18.09	19.5	1.1	
				649668	656000	662334	Tune-up	MPR	
				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	19.00	19.08	19.03	20.6	0.0	
				649334	656000	662668	Tune-up	MPR	
				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	18.96	19.00	18.94	20.6	0.0	
				649000	656000	663000	Tune-up	MPR	
				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	19.01	19.11	18.91	20.6	0.0	
				648668	656000	663334	Tune-up	MPR	
				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	19.07	19.08	18.94	20.6	0.0	
				648334	656000	663668	Tune-up	MPR	
				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	19.03	19.15	18.93	20.6	0.0	
				648000	656000	664000	Tune-up	MPR	
				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	18.99	19.10	19.00	20.6	0.0	
				647668	656000	664334	Tune-up	MPR	
				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	18.96	19.03	18.97	20.6	0.0	
				647500	656000	664500	Tune-up	MPR	
				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	19.09	19.09	19.06	20.6	0.0	
				647334	656000	664668	Tune-up	MPR	
				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	19.07	19.07	18.91	20.6	0.0	
				647168	656000	664834	Tune-up	MPR	
				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	19.03	19.12	18.91	20.6	0.0	
				647000	656000	665000	Tune-up	MPR	
				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	18.96	19.12	18.92	20.6	0.0	

Par270 n77 HPUE Ant 4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	656000	662000			
				3750	3840	3930			
100	1/2 BPSK	1	1	22.04	22.02	22.01			
100	1/2 BPSK	1	137	21.98	21.95	21.92	23.6	0.0	
100	1/2 BPSK	1	271	21.90	22.08	21.94			
100	1/2 BPSK	135	0	22.00	21.96	21.91	23.6	0.0	
100	1/2 BPSK	135	69	22.05	22.07	21.99	23.6	0.0	
100	1/2 BPSK	135	138	21.90	22.04	21.95			
100	1/2 BPSK	270	0	21.95	21.95	21.95	23.6	0.0	
100	QPSK	1	1	22.03	22.09	22.04			
100	QPSK	1	137	21.94	21.93	22.02	23.6	0.0	
100	QPSK	1	271	21.98	21.94	22.00			
100	QPSK	135	0	21.95	21.98	22.03	23.6	0.0	
100	QPSK	135	69	21.97	22.06	22.04	23.6	0.0	
100	QPSK	135	138	21.94	21.94	21.91			
100	QPSK	270	0	21.98	22.04	21.97	23.6	0.0	
100	16QAM	1	1	22.04	21.95	21.92	23.6	0.0	
100	16QAM	1	1	21.90	22.04	21.98	23.6	0.0	
100	256QAM	1	1	21.15	21.18	21.09	22.0	1.5	
				649668	656000	662334	Tune-up	MPR	
				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	21.90	21.94	21.93	23.6	0.0	
				649334	656000	662668	Tune-up	MPR	
				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	21.89	22.04	22.04	23.6	0.0	
				649000	656000	663000	Tune-up	MPR	
				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	21.97	22.07	21.97	23.6	0.0	
				648668	656000	663334	Tune-up	MPR	
				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.04	22.01	22.02	23.6	0.0	
				648334	656000	663668	Tune-up	MPR	
				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	21.91	21.95	21.97	23.6	0.0	
				648000	656000	664000	Tune-up	MPR	
				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	21.95	21.99	22.00	23.6	0.0	
				647668	656000	664334	Tune-up	MPR	
				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	21.99	22.05	22.04	23.6	0.0	
				647500	656000	664500	Tune-up	MPR	
				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	21.93	22.02	22.02	23.6	0.0	
				647334	656000	664668	Tune-up	MPR	
				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.04	21.97	21.93	23.6	0.0	
				647168	656000	664834	Tune-up	MPR	
				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	21.94	21.96	22.04	23.6	0.0	
				647000	656000	665000	Tune-up	MPR	
				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	21.91	21.98	22.01	23.6	0.0	

Par270 n78 Ant 4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	650000	650000			
				3750	3750	3750			
100	1/2 BPSK	1	1	19.15	19.15	19.15			
100	1/2 BPSK	1	137	19.18	19.18	19.18	20.6	0.0	
100	1/2 BPSK	1	271	19.27	19.27	19.27			
100	1/2 BPSK	135	0	19.10	19.10	19.10	20.6	0.0	
100	1/2 BPSK	135	69	19.23	19.23	19.23	20.6	0.0	
100	1/2 BPSK	135	138	19.28	19.28	19.28	20.6	0.0	
100	1/2 BPSK	270	0	19.17	19.17	19.17			
100	QPSK	1	1	19.29	19.29	19.29			
100	QPSK	1	137	19.15	19.15	19.15	20.6	0.0	
100	QPSK	1	271	19.24	19.24	19.24			
100	QPSK	135	0	19.02	19.02	19.02	20.6	0.0	
100	QPSK	135	69	19.27	19.27	19.27	20.6	0.0	
100	QPSK	135	138	19.15	19.15	19.15			
100	QPSK	270	0	19.25	19.25	19.25	20.6	0.0	
100	16QAM	1	1	19.18	19.18	19.18	20.6	0.0	
100	16QAM	1	1	19.07	19.07	19.07	20.6	0.0	
100	256QAM	1	1	18.25	18.25	18.25	19.5	1.1	
				649668	650000	650334	Tune-up	MPR	
				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	19.09	19.11	19.05	20.6	0.0	
				649334	650000	650668	Tune-up	MPR	
				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	19.08	19.09	19.09	20.6	0.0	
				649000	650000	651000	Tune-up	MPR	
				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	19.08	19.04	19.10	20		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000	650000	650000		
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137		22.22			
100	1/2 BPSK	1	271		22.18		23.6	0.0
100	1/2 BPSK	135	0		22.23			
100	1/2 BPSK	135	69		22.08		23.6	0.0
100	1/2 BPSK	135	138		22.24		23.6	0.0
100	1/2 BPSK	270	0		22.19			
100	1/2 BPSK	270	0		22.17		23.6	0.0
100	QPSK	1	1		22.26			
100	QPSK	1	137		22.15		23.6	0.0
100	QPSK	1	271		22.09			
100	QPSK	135	0		22.16		23.6	0.0
100	QPSK	135	69		22.24		23.6	0.0
100	QPSK	135	138		22.18		23.6	0.0
100	QPSK	270	0		22.23			
100	16QAM	1	1		22.19		23.6	0.0
100	16QAM	1	1		22.21		23.6	0.0
100	256QAM	1	1		21.49		22.0	1.8
Channel								
Frequency (MHz)				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	22.11	22.14	22.14	23.6	0.0
Channel								
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	22.04	22.06	22.15	23.6	0.0
Channel								
Frequency (MHz)				649600	650000	651000	Tune-up	MPR
Frequency (MHz)				3755	3750	3765	limit	(dB)
70	QPSK	1	1	22.04	22.02	22.05	23.6	0.0
Channel								
Frequency (MHz)				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3733.02	3750	3773.01	limit	(dB)
60	QPSK	1	1	22.02	22.11	22.01	23.6	0.0
Channel								
Frequency (MHz)				648334	650000	651688	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.13	22.05	22.04	23.6	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	22.06	22.12	22.01	23.6	0.0
Channel								
Frequency (MHz)				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.11	22.02	22.06	23.6	0.0
Channel								
Frequency (MHz)				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.04	22.07	22.02	23.6	0.0
Channel								
Frequency (MHz)				647334	650000	652688	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	22.02	22.04	22.03	23.6	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.12	22.08	22.09	23.6	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.03	22.03	22.07	23.6	0.0



Par270 n77 Ant 5 DSI3									
BW [MHz]	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	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	18.79	18.75	18.80			
100	1/2 BPSK	1	137	18.68	18.71	18.53	20.2	0.0	
100	1/2 BPSK	1	271	18.71	18.73	18.81			
100	1/2 BPSK	135	0	18.65	18.81	18.75	20.2	0.0	
100	1/2 BPSK	135	69	18.75	18.77	18.63	20.2	0.0	
100	1/2 BPSK	135	138	18.66	18.80	18.71	20.2	0.0	
100	1/2 BPSK	270	0	18.66	18.73	18.82			
100	QPSK	1	1	18.77	18.84	18.79			
100	QPSK	1	137	18.68	18.78	18.75	20.2	0.0	
100	QPSK	1	271	18.69	18.71	18.69			
100	QPSK	135	0	18.80	18.72	18.70	20.2	0.0	
100	QPSK	135	69	18.73	18.82	18.79	20.2	0.0	
100	QPSK	135	138	18.65	18.72	18.79	20.2	0.0	
100	QPSK	270	0	18.69	18.80	18.78			
100	16QAM	1	1	18.75	18.79	18.75	20.2	0.0	
100	16QAM	1	1	18.74	18.81	18.73	20.2	0.0	
100	256QAM	1	1	17.91	17.91	17.63	19.5	0.7	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	18.62	18.63	18.69	20.2	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	18.61	18.72	18.65	20.2	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	18.54	18.67	18.63	20.2	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	18.66	18.83	18.59	20.2	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	18.59	18.64	18.62	20.2	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	18.63	18.62	18.60	20.2	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	18.67	18.71	18.60	20.2	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	18.60	18.60	18.66	20.2	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	18.64	18.61	18.65	20.2	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	18.65	18.69	18.64	20.2	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	18.62	18.70	18.60	20.2	0.0	

Par270 n77 HPUE Ant 5 DSI3									
BW [MHz]	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	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	21.76	21.73	21.69			
100	1/2 BPSK	1	137	21.74	21.74	21.67	23.2	0.0	
100	1/2 BPSK	1	271	21.70	21.76	21.80			
100	1/2 BPSK	135	0	21.78	21.78	21.77	23.2	0.0	
100	1/2 BPSK	135	69	21.73	21.79	21.80	23.2	0.0	
100	1/2 BPSK	135	138	21.73	21.73	21.76	23.2	0.0	
100	1/2 BPSK	270	0	21.73	21.69	21.72			
100	QPSK	1	1	21.85	21.92	21.91			
100	QPSK	1	137	21.77	21.77	21.82	23.2	0.0	
100	QPSK	1	271	21.78	21.69	21.78			
100	QPSK	135	0	21.76	21.79	21.76	23.2	0.0	
100	QPSK	135	69	21.82	21.86	21.78	23.2	0.0	
100	QPSK	135	138	21.74	21.79	21.64	23.2	0.0	
100	QPSK	270	0	21.78	21.83	21.75			
100	16QAM	1	1	21.80	21.81	21.84	23.2	0.0	
100	16QAM	1	1	21.82	21.78	21.86	23.2	0.0	
100	256QAM	1	1	20.94	20.93	20.89	21.5	1.7	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	21.87	21.84	21.76	23.2	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	21.86	21.83	21.74	23.2	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	21.76	21.75	21.73	23.2	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	21.84	21.82	21.74	23.2	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	21.87	21.83	21.83	23.2	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	21.76	21.80	21.74	23.2	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	21.81	21.82	21.83	23.2	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	21.75	21.82	21.84	23.2	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	21.75	21.87	21.83	23.2	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	21.83	21.87	21.83	23.2	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	21.74	21.76	21.77	23.2	0.0	

Par270 n78 Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1	18.77	18.77	18.77			
100	1/2 BPSK	1	137	18.77	18.77	18.77	20.2	0.0	
100	1/2 BPSK	1	271	18.75	18.75	18.75			
100	1/2 BPSK	135	0	18.81	18.81	18.81	20.2	0.0	
100	1/2 BPSK	135	69	18.78	18.78	18.78	20.2	0.0	
100	1/2 BPSK	135	138	18.78	18.78	18.78	20.2	0.0	
100	1/2 BPSK	270	0	18.74	18.74	18.74			
100	QPSK	1	1	18.82	18.82	18.82			
100	QPSK	1	137	18.74	18.74	18.74	20.2	0.0	
100	QPSK	1	271	18.78	18.78	18.78			
100	QPSK	135	0	18.73	18.73	18.73	20.2	0.0	
100	QPSK	135	69	18.80	18.80	18.80	20.2	0.0	
100	QPSK	135	138	18.79	18.79	18.79	20.2	0.0	
100	QPSK	270	0	18.74	18.74	18.74			
100	16QAM	1	1	18.81	18.81	18.81	20.2	0.0	
100	16QAM	1	1	18.80	18.80	18.80	20.2	0.0	
100	256QAM	1	1	17.91	17.91	17.91	19.5	0.7	
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	18.67	18.70	18.73	20.2	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	18.68	18.75	18.68	20.2	0.0	
	Channel			649000	650000				



Part270 n78 HPUE Ant 5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1		21.82			
100	1/2 BPSK	1	137		21.88		23.2	0.0
100	1/2 BPSK	1	271		21.74			
100	1/2 BPSK	135	0		21.84		23.2	0.0
100	1/2 BPSK	135	69		21.83		23.2	0.0
100	1/2 BPSK	135	138		21.80			
100	1/2 BPSK	270	0		21.80		23.2	0.0
100	QPSK	1	1		21.96			
100	QPSK	1	137		21.76		23.2	0.0
100	QPSK	1	271		21.72			
100	QPSK	135	0		21.66		23.2	0.0
100	QPSK	135	69		21.84		23.2	0.0
100	QPSK	135	138		21.70		23.2	0.0
100	QPSK	135	0		21.81			
100	16QAM	135	1		21.76		23.2	0.0
100	64QAM	135	1		21.82		23.2	0.0
100	256QAM	135	1		23.90		21.5	1.7
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	21.74	21.78	21.72	23.2	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	21.74	21.77	21.69	23.2	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	21.66	21.66	21.71	23.2	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	21.67	21.72	21.76	23.2	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	21.78	21.71	21.68	23.2	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	21.66	21.74	21.66	23.2	0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	21.78	21.71	21.76	23.2	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3710.5	3750	3790.5	limit	(dB)
25	QPSK	1	1	21.67	21.67	21.75	23.2	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	21.70	21.67	21.68	23.2	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	21.73	21.69	21.73	23.2	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	21.70	21.66	21.70	23.2	0.0



Par270 n77 Ant 7 DSI3									
BW [MHz]	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	656000	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	19.09	19.17	19.08			
100	1/2 BPSK	1	137	19.11	19.17	19.13	20.0	0.0	
100	1/2 BPSK	1	271	19.09	19.10	19.13			
100	1/2 BPSK	135	0	19.02	19.22	19.11	20.0	0.0	
100	1/2 BPSK	135	69	19.14	19.21	19.99	20.0	0.0	
100	1/2 BPSK	135	138	19.14	19.20	19.03	20.0	0.0	
100	1/2 BPSK	270	0	19.17	19.19	19.10			
100	QPSK	1	1	19.16	19.23	19.18			
100	QPSK	1	137	19.14	19.19	19.09	20.0	0.0	
100	QPSK	1	271	19.12	19.16	19.00			
100	QPSK	135	0	19.06	19.10	19.01	20.0	0.0	
100	QPSK	135	69	19.13	19.21	19.13	20.0	0.0	
100	QPSK	135	138	19.03	19.19	19.13	20.0	0.0	
100	QPSK	270	0	19.10	19.18	19.07			
100	16QAM	1	1	19.15	19.11	19.00	20.0	0.0	
100	16QAM	1	1	19.04	19.08	19.06	20.0	0.0	
100	256QAM	1	1	19.34	19.34	19.22	19.5	0.5	
		Channel		649668	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	19.11	19.08	19.14	20.0	0.0	
		Channel		649334	656000	662668	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	19.09	19.08	19.10	20.0	0.0	
		Channel		649000	656000	663000	Tune-up	MPR	
		Frequency (MHz)		3735	3840	3945	limit	(dB)	
70	QPSK	1	1	19.08	19.10	19.08	20.0	0.0	
		Channel		648668	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	19.18	19.14	19.00	20.0	0.0	
		Channel		648334	656000	663668	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	19.11	19.12	19.14	20.0	0.0	
		Channel		648000	656000	664000	Tune-up	MPR	
		Frequency (MHz)		3720	3840	3960	limit	(dB)	
40	QPSK	1	1	19.03	19.15	19.04	20.0	0.0	
		Channel		3715.02	3840	3965.01	limit	(dB)	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	19.17	19.12	19.04	20.0	0.0	
		Channel		647500	656000	664500	Tune-up	MPR	
		Frequency (MHz)		3712.5	3840	3972.5	limit	(dB)	
25	QPSK	1	1	19.13	19.20	19.01	20.0	0.0	
		Channel		647334	656000	664668	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	19.09	19.19	19.09	20.0	0.0	
		Channel		647168	656000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	19.09	19.10	19.03	20.0	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
10	QPSK	1	1	19.16	19.15	19.08	20.0	0.0	

Par270 n77 HPUE Ant 7 DSI3									
BW [MHz]	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	656000	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	21.99	22.08	21.97			
100	1/2 BPSK	1	137	21.98	22.11	21.97	23.0	0.0	
100	1/2 BPSK	1	271	21.98	21.96	21.99			
100	1/2 BPSK	135	0	21.90	22.12	22.04	23.0	0.0	
100	1/2 BPSK	135	69	22.07	22.06	21.91	23.0	0.0	
100	1/2 BPSK	135	138	22.12	22.13	21.91	23.0	0.0	
100	1/2 BPSK	270	0	22.07	22.06	22.08			
100	QPSK	1	1	22.14	22.16	22.11			
100	QPSK	1	137	22.17	22.15	21.99	23.0	0.0	
100	QPSK	1	271	22.07	22.09	21.98			
100	QPSK	135	0	21.92	21.95	21.94	23.0	0.0	
100	QPSK	135	69	22.12	22.14	22.08	23.0	0.0	
100	QPSK	135	138	21.99	22.07	21.99	23.0	0.0	
100	QPSK	270	0	22.08	22.11	22.05			
100	16QAM	1	1	22.10	22.08	21.86	23.0	0.0	
100	16QAM	1	1	21.96	22.03	22.00	23.0	0.0	
100	256QAM	1	1	21.30	21.29	21.10	22.5	0.5	
		Channel		649668	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	21.95	22.08	22.00	23.0	0.0	
		Channel		649334	656000	662668	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	21.99	22.04	22.04	23.0	0.0	
		Channel		649000	656000	663000	Tune-up	MPR	
		Frequency (MHz)		3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.03	22.13	21.96	23.0	0.0	
		Channel		648668	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	21.94	22.11	21.96	23.0	0.0	
		Channel		648334	656000	663668	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	21.93	22.05	22.04	23.0	0.0	
		Channel		648000	656000	664000	Tune-up	MPR	
		Frequency (MHz)		3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.04	22.11	22.05	23.0	0.0	
		Channel		3715.02	3840	3965.01	limit	(dB)	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.07	22.11	22.08	23.0	0.0	
		Channel		647500	656000	664500	Tune-up	MPR	
		Frequency (MHz)		3712.5	3840	3972.5	limit	(dB)	
25	QPSK	1	1	22.07	22.07	21.96	23.0	0.0	
		Channel		647334	656000	664668	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.09	22.14	21.99	23.0	0.0	
		Channel		647168	656000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	21.98	22.05	21.98	23.0	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.04	22.12	22.01	23.0	0.0	

Par270 n78 Ant 7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
		Frequency (MHz)		3750	3750	3750			
100	1/2 BPSK	1	1	19.45	19.45	19.43			
100	1/2 BPSK	1	137	19.47	19.47	19.47	20.0	0.0	
100	1/2 BPSK	1	271	19.47	19.47	19.47			
100	1/2 BPSK	135	0	19.45	19.45	19.45	20.0	0.0	
100	1/2 BPSK	135	69	19.47	19.47	19.47	20.0	0.0	
100	1/2 BPSK	135	138	19.46	19.46	19.46	20.0	0.0	
100	1/2 BPSK	270	0	19.42	19.42	19.42			
100	QPSK	1	1	19.49	19.49	19.49			
100	QPSK	1	137	19.47	19.47	19.47	20.0	0.0	
100	QPSK	1	271	19.41	19.41	19.41			
100	QPSK	135	0	19.41	19.41	19.41	20.0	0.0	
100	QPSK	135	69	19.47	19.47	19.47	20.0	0.0	
100	QPSK	135	138	19.43	19.43	19.43	20.0	0.0	
100	QPSK	270	0	19.45	19.45	19.45			
100	16QAM	1	1	19.47	19.47	19.47	20.0	0.0	
100	16QAM	1	1	19.39	19.39	19.39	20.0	0.0	
100	256QAM	1	1	19.48	19.48	19.5	19.5	0.5	
		Channel		649668	650000	650334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	19.42	19.31	19.32	20.0	0.0	
		Channel		649334	650000	650668	Tune-up	MPR	
		Frequency (MHz)		3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	19.38	19.31	19.32	20.0	0.0	
		Channel		649000	650000	65100			

Part270 n78 HPUE Ant 7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	650000	650000			
				Channel					
				Frequency (MHz)	3750	3750	3750		
100	1/2 BPSK	1	1		22.51				
100	1/2 BPSK	1	137		22.40		23.0	0.0	
100	1/2 BPSK	1	271		22.47				
100	1/2 BPSK	135	0		22.47		23.0	0.0	
100	1/2 BPSK	135	69		22.40		23.0	0.0	
100	1/2 BPSK	135	138		22.46				
100	1/2 BPSK	270	0		22.43		23.0	0.0	
100	QPSK	1	1		22.53				
100	QPSK	1	137		22.44		23.0	0.0	
100	QPSK	1	271		22.38				
100	QPSK	135	0		22.49		23.0	0.0	
100	QPSK	135	69		22.51		23.0	0.0	
100	QPSK	135	138		22.36		23.0	0.0	
100	QPSK	270	0		22.48				
100	16QAM	1	1		22.43		23.0	0.0	
100	16QAM	1	1		22.38		23.0	0.0	
100	256QAM	1	1		21.44		22.5	0.5	
				Channel	649688	650000	650334	Tune-up	MPR
				Frequency (MHz)	3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		22.31	22.43	22.33	23.0	0.0
				Channel	649334	650000	650668	Tune-up	MPR
				Frequency (MHz)	3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		22.32	22.40	22.40	23.0	0.0
				Channel	649000	650000	651000	Tune-up	MPR
				Frequency (MHz)	3735	3750	3765	limit	(dB)
70	QPSK	1	1		22.28	22.34	22.28	23.0	0.0
				Channel	648688	650000	651334	Tune-up	MPR
				Frequency (MHz)	3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		22.31	22.40	22.39	23.0	0.0
				Channel	648334	650000	651668	Tune-up	MPR
				Frequency (MHz)	3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		22.29	22.39	22.27	23.0	0.0
				Channel	648000	650000	652000	Tune-up	MPR
				Frequency (MHz)	3720	3750	3780	limit	(dB)
40	QPSK	1	1		22.39	22.30	22.41	23.0	0.0
				Channel	647688	650000	652334	Tune-up	MPR
				Frequency (MHz)	3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		22.35	22.37	22.42	23.0	0.0
				Channel	647500	650000	652500	Tune-up	MPR
				Frequency (MHz)	3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1		22.41	22.33	22.33	23.0	0.0
				Channel	647334	650000	652688	Tune-up	MPR
				Frequency (MHz)	3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1		22.42	22.32	22.40	23.0	0.0
				Channel	647168	650000	652834	Tune-up	MPR
				Frequency (MHz)	3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1		22.29	22.33	22.37	23.0	0.0
				Channel	647000	650000	653000	Tune-up	MPR
				Frequency (MHz)	3705	3750	3795	limit	(dB)
10	QPSK	1	1		22.41	22.36	22.38	23.0	0.0



Par270 n77 Ant 8 DSI3									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	22.55	22.46	22.59			
100	1/2 BPSK	1	137	22.40	22.42	22.39	24.0	0.0	
100	1/2 BPSK	1	271	22.59	22.50	22.53			
100	1/2 BPSK	135	0	21.96	21.96	21.96	23.5	0.5	
100	1/2 BPSK	135	69	22.47	22.51	22.45	24.0	0.0	
100	1/2 BPSK	135	138	21.80	21.80	22.17			
100	1/2 BPSK	270	0	21.98	21.98	21.92	23.5	0.5	
100	QPSK	1	1	22.58	22.60	22.55			
100	QPSK	1	137	22.49	22.46	22.49	24.0	0.0	
100	QPSK	1	271	22.33	22.34	22.28			
100	QPSK	135	0	21.71	21.63	21.26	23.0	1.0	
100	QPSK	135	69	22.52	22.57	22.45	24.0	0.0	
100	QPSK	135	138	21.43	21.39	21.61			
100	QPSK	270	0	21.45	21.52	21.45	23.0	1.0	
100	16QAM	1	1	21.36	21.38	21.62	23.0	1.0	
100	16QAM	1	1	20.19	20.13	19.94	21.5	2.5	
100	256QAM	1	1	18.28	18.26	18.05	19.5	4.5	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.43	22.50	22.50	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.52	22.53	22.43	24.0	0.0	
	Channel			649000	650000	653000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.49	22.48	22.48	24.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.45	22.41	22.44	24.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.41	22.53	22.40	24.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.47	22.46	22.43	24.0	0.0	
	Channel			647668	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.49	22.45	22.53	24.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	22.50	22.43	22.41	24.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
20	QPSK	1	1	22.41	22.44	22.43	24.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3700.01	3840	3975.01	limit	(dB)	
15	QPSK	1	1	22.53	22.46	22.50	24.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.46	22.45	22.54	24.0	0.0	

Par270 n77 HPUE Ant 8 DSI3									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	26.72	26.75	26.70			
100	1/2 BPSK	1	137	25.62	25.66	25.62	27.0	0.0	
100	1/2 BPSK	1	271	26.76	26.71	26.76			
100	1/2 BPSK	135	0	26.17	26.23	26.22	26.5	0.5	
100	1/2 BPSK	135	69	26.74	26.67	26.71	27.0	0.0	
100	1/2 BPSK	135	138	25.08	25.09	25.28	26.5	0.5	
100	1/2 BPSK	270	0	26.20	26.14	26.17			
100	QPSK	1	1	26.55	26.78	26.63			
100	QPSK	1	137	25.75	25.61	25.67	27.0	0.0	
100	QPSK	1	271	26.52	26.54	26.50			
100	QPSK	135	0	24.81	24.88	24.56	26.0	1.0	
100	QPSK	135	69	26.69	26.75	26.65	27.0	0.0	
100	QPSK	135	138	24.70	24.66	24.85			
100	QPSK	270	0	24.64	24.71	24.63	26.0	1.0	
100	16QAM	1	1	24.59	24.67	24.77	26.0	1.0	
100	16QAM	1	1	23.32	23.38	23.15	24.5	2.5	
100	256QAM	1	1	21.51	21.51	21.25	22.5	4.5	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	26.65	26.68	26.67	27.0	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	26.71	26.74	26.71	27.0	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	26.64	26.66	26.67	27.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	26.68	26.66	26.68	27.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	26.70	26.69	26.69	27.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	26.71	26.65	26.73	27.0	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	26.61	26.63	26.74	27.0	0.0	
	Channel			647334	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	26.69	26.72	26.60	27.0	0.0	
	Channel			647334	650000	664668	Tune-up	MPR	
	Frequency (MHz)			3705.01	3840	3975.02	limit	(dB)	
20	QPSK	1	1	26.63	26.66	26.69	27.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3700.01	3840	3975.01	limit	(dB)	
15	QPSK	1	1	26.68	26.67	26.68	27.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	26.69	26.69	26.67	27.0	0.0	

Par270 n78 Ant 8 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.5	0.5	
100	1/2 BPSK	135	69				22.38		
100	1/2 BPSK	135	138				24.0	0.0	
100	1/2 BPSK	270	0				23.5	0.5	
100	QPSK	1	1				22.42		
100	QPSK	1	137				22.35		
100	QPSK	1	271				22.24		
100	QPSK	135	0				21.68		
100	QPSK	135	69				22.40		
100	QPSK	135	138				21.41		
100	QPSK	270	0				21.42		
100	16QAM	1	1				21.34		
100	16QAM	1	1				20.14		
100	256QAM	1	1				18.08		
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.83	22.58	22.83	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.32	22.35	22.32	24.0	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.34	22.34	22.41	24.0	0.0	
	Channel			648668	650000	651334	Tune-up	MPR	

Part270 n78 HPUE Ant 8 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1		25.33			
100	1/2 BPSK	1	137		25.31		27.0	0.0
100	1/2 BPSK	1	271		25.39			
100	1/2 BPSK	135	0		24.73		26.5	0.5
100	1/2 BPSK	135	69		25.28		27.0	0.0
100	1/2 BPSK	135	138		24.68		26.5	0.5
100	1/2 BPSK	270	0		24.80			
100	QPSK	1	1		25.44			
100	QPSK	1	137		25.35		27.0	0.0
100	QPSK	1	271		25.23			
100	QPSK	135	0		24.36		26.0	1.0
100	QPSK	135	69		25.42		27.0	0.0
100	QPSK	135	138		24.25		26.0	1.0
100	QPSK	270	0		24.45			
100	16QAM	1	1		24.30		26.0	1.0
100	64QAM	1	1		22.92		24.5	2.5
100	256QAM	1	1		20.99		22.5	4.5
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	25.83	25.30	25.19	27.0	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	25.31	25.30	25.34	27.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	25.27	25.33	25.22	27.0	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	25.21	25.22	25.30	27.0	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	25.27	25.35	25.28	27.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	25.27	25.23	25.34	27.0	0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	25.33	25.22	25.31	27.0	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
25	QPSK	1	1	25.25	25.35	25.22	27.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
20	QPSK	1	1	25.20	25.23	25.22	27.0	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	25.25	25.35	25.22	27.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	25.31	25.29	25.26	27.0	0.0



Reduced Power Mode for DS14

n5 Ant 0 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	167300	167800				
Frequency (MHz)				834	836.5	839				
20	1/2 BPSK	1	1	22.59	22.53	22.58				
20	1/2 BPSK	1	53	22.62	22.59	22.48	24.0	0.0		
20	1/2 BPSK	1	104	22.57	22.68	22.61				
20	1/2 BPSK	50	0	22.09	21.98	22.10	23.5	0.5		
20	1/2 BPSK	50	28	22.50	22.51	22.57	24.0	0.0		
20	1/2 BPSK	50	56	22.05	22.09	22.06				
20	1/2 BPSK	100	0	22.16	22.13	22.08	23.5	0.5		
20	QPSK	1	1	22.66	22.68	22.59				
20	QPSK	1	53	22.66	22.53	22.59	24.0	0.0		
20	QPSK	1	104	22.42	22.46	22.45				
20	QPSK	50	0	21.54	21.52	21.51	23.0	1.0		
20	QPSK	50	28	22.54	22.65	22.63	24.0	0.0		
20	QPSK	50	56	21.57	21.55	21.66	23.0	1.0		
20	QPSK	100	0	21.66	21.70	21.68				
20	16QAM	1	1	21.59	21.81	21.55	23.0	1.0		
20	64QAM	1	1	20.17	20.15	20.17	21.5	2.5		
20	256QAM	1	1	18.17	18.17	18.33	19.5	4.5		
Channel				168300	167300	168300	Tune-up	MPR		
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)		
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0		
Channel				165800	167300	168800	Tune-up	MPR		
Frequency (MHz)				829	836.5	844	limit	(dB)		
10	QPSK	1	1	22.53	22.66	22.51	24.0	0.0		
Channel				165300	167300	169300	Tune-up	MPR		
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)		
5	QPSK	1	1	22.59	22.55	22.56	24.0	0.0		

n26 Ant 0 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.60	22.56	22.59				
20	1/2 BPSK	1	53	22.56	22.49	22.44	24.0	0.0		
20	1/2 BPSK	1	104	22.51	22.66	22.61				
20	1/2 BPSK	50	0	22.04	22.00	22.09	23.5	0.5		
20	1/2 BPSK	50	28	22.39	22.43	22.60	24.0	0.0		
20	1/2 BPSK	50	56	22.03	22.05	22.08				
20	1/2 BPSK	100	0	22.04	22.08	21.98	23.5	0.5		
20	QPSK	1	1	22.67	22.68	22.65				
20	QPSK	1	53	22.65	22.47	22.47	24.0	0.0		
20	QPSK	1	104	22.38	22.37	22.33				
20	QPSK	50	0	21.57	21.52	21.49	23.0	1.0		
20	QPSK	50	28	22.58	22.64	22.58	24.0	0.0		
20	QPSK	50	56	21.53	21.51	21.61	23.0	1.0		
20	QPSK	100	0	21.54	21.62	21.59				
20	16QAM	1	1	21.50	21.49	21.51	23.0	1.0		
20	64QAM	1	1	20.24	20.13	20.19	21.5	2.5		
20	256QAM	1	1	18.20	18.20	18.37	19.5	4.5		
Channel				164300	166300	168300	Tune-up	MPR		
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)		
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0		
Channel				163800	166300	168800	Tune-up	MPR		
Frequency (MHz)				819	831.5	844	limit	(dB)		
10	QPSK	1	1	22.61	22.54	22.47	24.0	0.0		
Channel				163300	166300	169300	Tune-up	MPR		
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)		
5	QPSK	1	1	22.54	22.64	22.45	24.0	0.0		

n71 Ant 0 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	136100	137600				
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.51	22.52	22.55				
20	1/2 BPSK	1	53	22.48	22.54	22.33	24.0	0.0		
20	1/2 BPSK	1	104	22.52	22.55	22.48				
20	1/2 BPSK	50	0	22.02	21.92	21.93	23.5	0.5		
20	1/2 BPSK	50	28	22.42	22.46	22.44	24.0	0.0		
20	1/2 BPSK	50	56	21.92	22.04	21.94				
20	1/2 BPSK	100	0	22.07	21.96	22.01	23.5	0.5		
20	QPSK	1	1	22.54	22.57	22.63				
20	QPSK	1	53	22.52	22.44	22.52	24.0	0.0		
20	QPSK	1	104	22.33	22.40	22.27				
20	QPSK	50	0	21.41	21.41	21.37	23.0	1.0		
20	QPSK	50	28	22.46	22.55	22.54	24.0	0.0		
20	QPSK	50	56	21.42	21.49	21.49	23.0	1.0		
20	QPSK	100	0	21.57	21.58	21.57				
20	16QAM	1	1	21.48	21.55	21.37	23.0	1.0		
20	64QAM	1	1	20.15	20.04	20.10	21.5	2.5		
20	256QAM	1	1	18.22	18.15	18.28	19.5	4.5		
Channel				134100	136100	138100	Tune-up	MPR		
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)		
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0		
Channel				133600	136100	138600	Tune-up	MPR		
Frequency (MHz)				668	680.5	693	limit	(dB)		
10	QPSK	1	1	22.52	22.44	22.44	24.0	0.0		
Channel				133100	136100	139100	Tune-up	MPR		
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)		
5	QPSK	1	1	22.49	22.42	22.45	24.0	0.0		



n38 Ant 0 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.61	22.62	22.53	24.0	0.0	
40	1/2 BPSK	1	53	22.70	22.63	22.64			
40	1/2 BPSK	1	104	22.67	22.71	22.66			
40	1/2 BPSK	50	0	22.20	22.15	22.26	23.5	0.5	
40	1/2 BPSK	50	28	22.61	22.57	22.71	24.0	0.0	
40	1/2 BPSK	50	56	22.07	22.19	22.23	23.5	0.5	
40	1/2 BPSK	100	0	22.27	22.23	22.26			
40	QPSK	1	1	22.73	22.75	22.69			
40	QPSK	1	53	22.69	22.63	22.66	24.0	0.0	
40	QPSK	1	104	22.58	22.52	22.52			
40	QPSK	50	0	21.66	21.66	21.58	23.0	1.0	
40	QPSK	50	28	22.67	22.69	22.67	24.0	0.0	
40	QPSK	50	56	21.68	21.57	21.75			
40	QPSK	100	0	21.76	21.81	21.80	23.0	1.0	
40	16QAM	1	1	21.72	21.74	21.69	23.0	1.0	
40	64QAM	1	1	20.14	20.05	20.25	21.5	2.5	
40	256QAM	1	1	18.25	18.08	18.24	19.5	4.5	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.99	limit	(dB)	
30	QPSK	1	1	22.71	22.66	22.65	24.0	0.0	
	Channel			516504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	22.72	22.65	22.53	24.0	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit	(dB)	
20	QPSK	1	1	22.72	22.65	22.53	24.0	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)	
15	QPSK	1	1	22.60	22.65	22.53	24.0	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	22.69	22.71	22.52	24.0	0.0	

n41 Ant 0 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.63	22.61	22.49			
100	1/2 BPSK	1	137	22.69	22.59	22.57	24.0	0.0	
100	1/2 BPSK	1	271	22.64	22.66	22.70			
100	1/2 BPSK	135	0	22.18	22.09	22.20	23.5	0.5	
100	1/2 BPSK	135	69	22.66	22.62	22.71	24.0	0.0	
100	1/2 BPSK	135	138	22.08	22.21	22.30	23.5	0.5	
100	1/2 BPSK	270	0	22.29	22.20	22.25			
100	QPSK	1	1	22.73	22.78	22.75			
100	QPSK	1	137	22.71	22.63	22.59	24.0	0.0	
100	QPSK	1	271	22.53	22.59	22.56			
100	QPSK	135	0	21.67	21.70	21.51	23.0	1.0	
100	QPSK	135	69	22.69	22.74	22.69	24.0	0.0	
100	QPSK	135	138	21.64	21.56	21.79	23.0	1.0	
100	QPSK	270	0	21.81	21.82	21.80	23.0	1.0	
100	16QAM	1	1	21.77	21.75	21.75	23.0	1.0	
100	64QAM	1	1	20.22	20.09	20.19	21.5	2.5	
100	256QAM	1	1	18.21	18.22	18.25	19.5	4.5	
	Channel			506200	518598	526996	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	22.65	22.74	22.65	24.0	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	22.72	22.65	22.55	24.0	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit	(dB)	
70	QPSK	1	1	22.63	22.62	22.53	24.0	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	22.65	22.67	22.60	24.0	0.0	
	Channel			504204	518598	532996	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	22.62	22.75	22.59	24.0	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	22.67	22.75	22.59	24.0	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	22.65	22.71	22.65	24.0	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
25	QPSK	1	1	22.67	22.67	22.65	24.0	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	22.73	22.73	22.66	24.0	0.0	
	Channel			500700	518598	536996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	22.73	22.69	22.59	24.0	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	22.60	22.70	22.52	24.0	0.0	



n2 Ant 1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	22.49	22.57	22.46			
40	1/2 BPSK	1	108	22.70	22.85	22.57	24.0	0.0	
40	1/2 BPSK	1	214	22.63	22.62	22.58			
40	1/2 BPSK	108	0	22.08	22.10	22.23	23.5	0.5	
40	1/2 BPSK	108	54	22.59	22.47	22.66	24.0	0.0	
40	1/2 BPSK	108	108	21.98	22.09	22.16	23.5	0.5	
40	1/2 BPSK	216	0	22.15	22.17	22.14			
40	QPSK	1	1	22.71	22.73	22.69			
40	QPSK	1	108	22.59	22.58	22.59	24.0	0.0	
40	QPSK	1	214	22.57	22.45	22.52			
40	QPSK	108	0	21.59	21.57	21.47	23.0	1.0	
40	QPSK	108	54	22.69	22.71	22.68	24.0	0.0	
40	QPSK	108	108	21.65	21.55	21.65	23.0	1.0	
40	QPSK	216	0	21.68	21.63	21.70			
40	16QAM	1	1	21.70	21.75	21.61	23.0	1.0	
40	64QAM	1	1	20.17	20.15	20.20	21.5	2.5	
40	256QAM	1	1	18.17	18.20	18.32	19.5	4.5	
Channel				373300	376000	378500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1867.5	1880	1892.5			
35	QPSK	1	1	22.67	22.69	22.58	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1895	1880	1895			
30	QPSK	1	1	22.60	22.71	22.55	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1892.5	1880	1897.5			
25	QPSK	1	1	22.62	22.64	22.53	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1880	1880	1900			
20	QPSK	1	1	22.63	22.61	22.63	24.0	0.0	
Channel				371500	376000	381000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	22.68	22.60	22.58	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1895	1880	1905			
10	QPSK	1	1	22.68	22.59	22.47	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1892.5	1880	1897.5			
5	QPSK	1	1	22.68	22.68	22.55	24.0	0.0	

n5 Ant 1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	22.24	22.32	22.30			
20	1/2 BPSK	1	53	22.47	22.34	22.28	24.0	0.0	
20	1/2 BPSK	1	104	22.44	22.37	22.36			
20	1/2 BPSK	50	0	21.86	21.88	21.99	23.5	0.5	
20	1/2 BPSK	50	28	22.26	22.29	22.39	24.0	0.0	
20	1/2 BPSK	50	56	21.83	21.90	21.94	23.5	0.5	
20	1/2 BPSK	100	0	22.02	21.89	21.98			
20	QPSK	1	1	22.44	22.48	22.43			
20	QPSK	1	53	22.46	22.40	22.31	24.0	0.0	
20	QPSK	1	104	22.34	22.27	22.29			
20	QPSK	50	0	21.30	21.44	21.34	23.0	1.0	
20	QPSK	50	28	22.39	22.47	22.34	24.0	0.0	
20	QPSK	50	56	21.45	21.34	21.41	23.0	1.0	
20	QPSK	100	0	21.44	21.53	21.52			
20	16QAM	1	1	21.45	21.37	21.31	23.0	1.0	
20	64QAM	1	1	20.15	20.13	20.17	21.5	2.5	
20	256QAM	1	1	18.12	18.12	18.23	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.29	22.45	22.36	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				823	836.5	844			
10	QPSK	1	1	22.32	22.46	22.27	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dB)	MPR	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.39	22.44	22.25	24.0	0.0	

n7 Ant 1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	22.48	22.55	22.55			
40	1/2 BPSK	1	108	22.62	22.59	22.53	24.0	0.0	
40	1/2 BPSK	1	214	22.59	22.64	22.63			
40	1/2 BPSK	108	0	22.15	22.00	22.19	23.5	0.5	
40	1/2 BPSK	108	54	22.50	22.41	22.55	24.0	0.0	
40	1/2 BPSK	108	108	21.94	22.08	22.06	23.5	0.5	
40	1/2 BPSK	216	0	22.24	22.11	22.16			
40	QPSK	1	1	22.64	22.72	22.68			
40	QPSK	1	108	22.61	22.51	22.62	24.0	0.0	
40	QPSK	1	214	22.51	22.46	22.46			
40	QPSK	108	0	21.52	21.52	21.42	23.0	1.0	
40	QPSK	108	54	22.59	22.67	22.63	24.0	0.0	
40	QPSK	108	108	21.61	21.43	21.70	23.0	1.0	
40	QPSK	216	0	21.67	21.73	21.71			
40	16QAM	1	1	21.58	21.64	21.67	23.0	1.0	
40	64QAM	1	1	20.21	20.12	20.18	21.5	2.5	
40	256QAM	1	1	18.26	18.09	18.46	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.67	22.59	22.42	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.59	22.60	22.45	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	1	22.54	22.59	22.55	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.58	22.65	22.41	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.59	22.59	22.43	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.53	22.54	22.46	24.0	0.0	



n26 Ant 1 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.44	22.39	22.46				
20	1/2 BPSK	1	53	22.40	22.45	22.45	24.0	0.0		
20	1/2 BPSK	1	104	22.37	22.45	22.37				
20	1/2 BPSK	50	0	21.89	21.91	22.07	23.5	0.5		
20	1/2 BPSK	50	28	22.43	22.33	22.46	24.0	0.0		
20	1/2 BPSK	50	56	21.88	21.97	22.06	23.5	0.5		
20	1/2 BPSK	100	0	22.01	22.06	21.94				
20	QPSK	1	1	22.47	22.50	22.44				
20	QPSK	1	53	22.43	22.46	22.38	24.0	0.0		
20	QPSK	1	104	22.35	22.24	22.35				
20	QPSK	50	0	21.40	21.48	21.32	23.0	1.0		
20	QPSK	50	28	22.41	22.49	22.47	24.0	0.0		
20	QPSK	50	56	21.40	21.38	21.58	23.0	1.0		
20	QPSK	100	0	21.58	21.59	21.56				
20	16QAM	1	1	21.92	21.50	21.47	23.0	1.0		
20	64QAM	1	1	20.27	20.15	20.09	21.5	2.5		
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164300	166300	168300	Tune-up	MPR		
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)		
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0		
Channel				163800	166300	168800	Tune-up	MPR		
Frequency (MHz)				819	831.5	844	limit	(dB)		
10	QPSK	1	1	22.46	22.44	22.33	24.0	0.0		
Channel				163300	166300	169300	Tune-up	MPR		
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)		
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		

n66 Ant 1 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	22.57	22.48	22.43				
40	1/2 BPSK	1	108	22.64	22.53	22.44	24.0	0.0		
40	1/2 BPSK	1	214	22.61	22.61	22.52				
40	1/2 BPSK	108	0	21.98	22.10	22.22	23.5	0.5		
40	1/2 BPSK	108	54	22.64	22.44	22.57	24.0	0.0		
40	1/2 BPSK	108	108	21.97	22.09	22.15	23.5	0.5		
40	1/2 BPSK	216	0	22.11	22.20	22.07				
40	QPSK	1	1	22.65	22.69	22.63				
40	QPSK	1	108	22.66	22.60	22.53	24.0	0.0		
40	QPSK	1	214	22.49	22.46	22.52				
40	QPSK	108	0	21.53	21.70	21.46	23.0	1.0		
40	QPSK	108	54	22.55	22.65	22.63	24.0	0.0		
40	QPSK	108	108	21.63	21.59	21.70	23.0	1.0		
40	QPSK	216	0	21.67	21.75	21.69				
40	16QAM	1	1	21.65	21.65	21.66	23.0	1.0		
40	64QAM	1	1	20.40	20.25	20.22	21.5	2.5		
40	256QAM	1	1	18.36	18.27	18.34	19.5	4.5		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	22.39	22.50	22.47	24.0	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	22.43	22.57	22.40	24.0	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	22.39	22.47	22.42	24.0	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	22.38	22.55	22.32	24.0	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	22.43	22.45	22.35	24.0	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	22.44	22.48	22.45	24.0	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	22.46	22.45	22.45	24.0	0.0		

n71 Ant 1 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	136100	137600				
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.45	22.44	22.46				
20	1/2 BPSK	1	53	22.42	22.53	22.46	24.0	0.0		
20	1/2 BPSK	1	104	22.43	22.48	22.37				
20	1/2 BPSK	50	0	21.77	21.95	22.05	23.5	0.5		
20	1/2 BPSK	50	28	22.37	22.45	22.47	24.0	0.0		
20	1/2 BPSK	50	56	21.79	21.83	21.87	23.5	0.5		
20	1/2 BPSK	100	0	21.38	21.93	21.85				
20	QPSK	1	1	22.46	22.54	22.49				
20	QPSK	1	53	22.42	22.35	22.39	24.0	0.0		
20	QPSK	1	104	22.29	22.32	22.38				
20	QPSK	50	0	21.38	21.68	21.26	23.0	1.0		
20	QPSK	50	28	22.43	22.49	22.44	24.0	0.0		
20	QPSK	50	56	21.39	21.41	21.53	23.0	1.0		
20	QPSK	100	0	21.45	21.59	21.42				
20	16QAM	1	1	21.48	21.41	21.41	23.0	1.0		
20	64QAM	1	1	20.21	20.08	20.02	21.5	2.5		
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	136100	138100	Tune-up	MPR		
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)		
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0		
Channel				133600	136100	138600	Tune-up	MPR		
Frequency (MHz)				668	680.5	692	limit	(dB)		
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	136100	139100	Tune-up	MPR		
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)		
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		



n38 Ant 1 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.74	22.81	22.75			
40	1/2 BPSK	1	53	22.77	22.80	22.76	24.0	0.0	
40	1/2 BPSK	1	104	22.73	22.78	22.67			
40	1/2 BPSK	50	0	22.04	22.22	22.30	23.5	0.5	
40	1/2 BPSK	50	28	22.64	22.82	22.73	24.0	0.0	
40	1/2 BPSK	50	56	22.15	22.13	22.34	23.5	0.5	
40	1/2 BPSK	100	0	22.25	22.18	22.09			
40	QPSK	1	1	22.86	22.88	22.83			
40	QPSK	1	53	22.77	22.71	22.63	24.0	0.0	
40	QPSK	1	104	22.67	22.55	22.72			
40	QPSK	50	0	21.72	21.81	21.82	23.0	1.0	
40	QPSK	50	28	22.72	22.85	22.80	24.0	0.0	
40	QPSK	50	56	21.62	21.78	21.89			
40	QPSK	100	0	21.81	21.84	21.68	23.0	1.0	
40	16QAM	1	1	21.77	21.72	21.76	23.0	1.0	
40	64QAM	1	1	20.49	20.40	20.25	21.5	2.5	
40	256QAM	1	1	18.49	18.48	18.47	19.5	4.5	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.98	limit		
30	QPSK	1	1	22.72	22.78	22.76	24.0	0.0	
	Channel			516504	518000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit		
25	QPSK	1	1	22.64	22.72	22.76	24.0	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit		
20	QPSK	1	1	22.72	22.72	22.70	24.0	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit		
15	QPSK	1	1	22.60	22.68	22.64	24.0	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit		
10	QPSK	1	1	22.61	22.68	22.71	24.0	0.0	

n41 Ant 1 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.81	22.70	22.71			
100	1/2 BPSK	1	137	22.68	22.76	22.80	24.0	0.0	
100	1/2 BPSK	1	271	22.75	22.76	22.75			
100	1/2 BPSK	135	0	22.08	22.27	22.32	23.5	0.5	
100	1/2 BPSK	135	69	22.72	22.82	22.74	24.0	0.0	
100	1/2 BPSK	135	138	22.06	22.18	22.19	23.5	0.5	
100	1/2 BPSK	270	0	22.21	22.26	22.09			
100	QPSK	1	1	22.83	22.98	22.89			
100	QPSK	1	137	22.71	22.82	22.63	24.0	0.0	
100	QPSK	1	271	22.55	22.65	22.66			
100	QPSK	135	0	21.75	21.93	21.90	23.0	1.0	
100	QPSK	135	69	22.77	22.85	22.79	24.0	0.0	
100	QPSK	135	138	21.61	21.69	21.78	23.0	1.0	
100	QPSK	270	0	21.79	21.96	21.88	23.0	1.0	
100	16QAM	1	1	21.70	21.73	21.67	23.0	1.0	
100	64QAM	1	1	20.53	20.36	20.39	21.5	2.5	
100	256QAM	1	1	18.42	18.49	18.33	19.5	4.5	
	Channel			508200	518598	528996	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit		
90	QPSK	1	1	22.72	22.78	22.74	24.0	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit		
80	QPSK	1	1	22.62	22.73	22.75	24.0	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2655	limit		
70	QPSK	1	1	22.52	22.54	22.47	24.0	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit		
60	QPSK	1	1	22.62	22.52	22.64	24.0	0.0	
	Channel			504204	518598	532998	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit		
50	QPSK	1	1	22.62	22.69	22.65	24.0	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit		
40	QPSK	1	1	22.60	22.76	22.71	24.0	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit		
30	QPSK	1	1	22.65	22.79	22.65	24.0	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
25	QPSK	1	1	22.65	22.31	22.75	24.0	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
20	QPSK	1	1	22.71	22.82	22.63	24.0	0.0	
	Channel			500200	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit		
15	QPSK	1	1	22.71	22.72	22.68	24.0	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit		
10	QPSK	1	1	22.66	22.72	22.76	24.0	0.0	



n2 Ant 2 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	22.39	22.45	22.42				
40	1/2 BPSK	1	108	22.44	22.54	22.53	24.0	0.0		
40	1/2 BPSK	1	214	22.46	22.52	22.53				
40	1/2 BPSK	108	0	21.81	22.02	22.02	23.5	0.5		
40	1/2 BPSK	108	54	22.43	22.39	22.50	24.0	0.0		
40	1/2 BPSK	108	108	21.75	21.82	22.00				
40	1/2 BPSK	216	0	22.03	21.87	21.92	23.5	0.5		
40	QPSK	1	1	22.53	22.55	22.51				
40	QPSK	1	108	22.49	22.31	22.38	24.0	0.0		
40	QPSK	1	214	22.23	22.24	22.46				
40	QPSK	108	0	21.40	21.56	21.29	23.0	1.0		
40	QPSK	108	54	22.45	22.51	22.46	24.0	0.0		
40	QPSK	108	108	21.44	21.42	21.52	23.0	1.0		
40	QPSK	216	0	21.41	21.54	21.49				
40	16QAM	1	1	21.41	21.40	21.41	23.0	1.0		
40	64QAM	1	1	20.23	20.00	20.02	21.5	2.5		
40	256QAM	1	1	18.22	18.16	18.11	19.5	4.5		
Channel				373500	376000	378500	Tune-up	MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)		
35	QPSK	1	1	22.44	22.46	22.45	24.0	0.0		
Channel				373000	376000	379000	Tune-up	MPR		
Frequency (MHz)				1895	1880	1895	limit	(dB)		
30	QPSK	1	1	22.39	22.39	22.48	24.0	0.0		
Channel				372500	376000	379500	Tune-up	MPR		
Frequency (MHz)				1892.5	1880	1897.5	limit	(dB)		
25	QPSK	1	1	22.49	22.49	22.39	24.0	0.0		
Channel				372000	376000	380000	Tune-up	MPR		
Frequency (MHz)				1880	1880	1900	limit	(dB)		
20	QPSK	1	1	22.43	22.42	22.47	24.0	0.0		
Channel				371500	376000	380500	Tune-up	MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)		
15	QPSK	1	1	22.46	22.40	22.41	24.0	0.0		
Channel				371000	376000	381000	Tune-up	MPR		
Frequency (MHz)				1895	1880	1905	limit	(dB)		
10	QPSK	1	1	22.51	22.49	22.38	24.0	0.0		
Channel				370500	376000	381500	Tune-up	MPR		
Frequency (MHz)				1892.5	1880	1897.5	limit	(dB)		
5	QPSK	1	1	22.33	22.44	22.43	24.0	0.0		

n7 Ant 2 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	22.53	22.50	22.39				
40	1/2 BPSK	1	108	22.49	22.51	22.43	24.0	0.0		
40	1/2 BPSK	1	214	22.49	22.52	22.43				
40	1/2 BPSK	108	0	21.79	21.99	22.08	23.5	0.5		
40	1/2 BPSK	108	54	22.39	22.52	22.48	24.0	0.0		
40	1/2 BPSK	108	108	21.85	21.76	22.01				
40	1/2 BPSK	216	0	21.91	21.86	21.78	23.5	0.5		
40	QPSK	1	1	22.47	22.56	22.50				
40	QPSK	1	108	22.49	22.29	22.40	24.0	0.0		
40	QPSK	1	214	22.29	22.28	22.45				
40	QPSK	108	0	21.38	21.56	21.24	23.0	1.0		
40	QPSK	108	54	22.45	22.52	22.48	24.0	0.0		
40	QPSK	108	108	21.33	21.42	21.50	23.0	1.0		
40	QPSK	216	0	21.45	21.52	21.43				
40	16QAM	1	1	21.44	21.38	21.49	23.0	1.0		
40	64QAM	1	1	20.21	20.13	19.98	21.5	2.5		
40	256QAM	1	1	18.21	18.12	18.03	19.5	4.5		
Channel				503500	507000	510500	Tune-up	MPR		
Frequency (MHz)				2515	2535	2555	limit	(dB)		
30	QPSK	1	1	22.45	22.48	22.40	24.0	0.0		
Channel				502500	507000	511500	Tune-up	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)		
25	QPSK	1	1	22.45	22.51	22.46	24.0	0.0		
Channel				502000	507000	512000	Tune-up	MPR		
Frequency (MHz)				2510	2535	2560	limit	(dB)		
20	QPSK	1	1	22.47	22.42	22.45	24.0	0.0		
Channel				501500	507000	512500	Tune-up	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)		
15	QPSK	1	1	22.43	22.49	22.51	24.0	0.0		
Channel				501000	507000	513000	Tune-up	MPR		
Frequency (MHz)				2505	2535	2565	limit	(dB)		
10	QPSK	1	1	22.42	22.37	22.48	24.0	0.0		
Channel				500500	507000	513500	Tune-up	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)		
5	QPSK	1	1	22.45	22.49	22.45	24.0	0.0		

n66 Ant 2 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	22.51	22.41	22.54				
40	1/2 BPSK	1	108	22.39	22.64	22.49	24.0	0.0		
40	1/2 BPSK	1	214	22.52	22.51	22.41				
40	1/2 BPSK	108	0	21.90	22.07	22.17	23.5	0.5		
40	1/2 BPSK	108	54	22.49	22.42	22.56	24.0	0.0		
40	1/2 BPSK	108	108	21.78	21.94	21.95				
40	1/2 BPSK	216	0	21.96	21.93	21.83	23.5	0.5		
40	QPSK	1	1	22.64	22.66	22.61				
40	QPSK	1	108	22.45	22.36	22.40	24.0	0.0		
40	QPSK	1	214	22.32	22.42	22.42				
40	QPSK	108	0	21.49	21.51	21.29	23.0	1.0		
40	QPSK	108	54	22.45	22.58	22.47	24.0	0.0		
40	QPSK	108	108	21.46	21.42	21.52	23.0	1.0		
40	QPSK	216	0	21.46	21.55	21.52				
40	16QAM	1	1	21.56	21.52	21.54	23.0	1.0		
40	64QAM	1	1	20.23	20.17	20.10	21.5	2.5		
40	256QAM	1	1	18.12	18.21	18.13	19.5	4.5		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	22.46	22.54	22.51	24.0	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	22.48	22.46	22.56	24.0	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	22.40	22.51	22.52	24.0	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	22.43	22.52	22.44	24.0	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	22.55	22.51	22.47	24.0	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	22.48	22.45	22.53	24.0	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	22.56	22.53	22.45	24.0	0.0		



n38 Ant 2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.53	22.44	22.56	24.0	0.0	
40	1/2 BPSK	1	53	22.43	22.59	22.54			
40	1/2 BPSK	1	104	22.40	22.55	22.38			
40	1/2 BPSK	50	0	21.78	21.98	22.06	23.5	0.5	
40	1/2 BPSK	50	28	22.39	22.56	22.58	24.0	0.0	
40	1/2 BPSK	50	56	21.88	21.92	22.07	23.5	0.5	
40	1/2 BPSK	100	0	22.07	21.94	21.93			
40	QPSK	1	1	22.54	22.61	22.56			
40	QPSK	1	53	22.54	22.42	22.47	24.0	0.0	
40	QPSK	1	104	22.37	22.37	22.37	23.0	1.0	
40	QPSK	50	0	21.43	21.63	21.32	23.0	1.0	
40	QPSK	50	28	22.54	22.58	22.46	24.0	0.0	
40	QPSK	50	56	21.43	21.45	21.57	23.0	1.0	
40	QPSK	100	0	21.50	21.59	21.54	23.0	1.0	
40	16QAM	1	1	21.53	21.54	21.52	23.0	1.0	
40	64QAM	1	1	20.33	20.11	20.10	21.5	2.5	
40	256QAM	1	1	18.26	18.17	18.17	19.5	4.5	
	Channel			517002	518000	520998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2585.01	2595	2604.99	24.0	0.0	
30	QPSK	1	1	22.57	22.46	22.47	24.0	0.0	
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	24.0	0.0	
25	QPSK	1	1	22.53	22.48	22.50	24.0	0.0	
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2580	2595	2610	24.0	0.0	
20	QPSK	1	1	22.51	22.57	22.52	24.0	0.0	
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	24.0	0.0	
15	QPSK	1	1	22.45	22.43	22.50	24.0	0.0	
	Channel			515004	519000	522996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	24.0	0.0	
10	QPSK	1	1	22.49	22.56	22.56	24.0	0.0	

n41 Ant 2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.43	22.51	22.56	24.0	0.0	
100	1/2 BPSK	1	137	22.39	22.53	22.52			
100	1/2 BPSK	1	271	22.51	22.58	22.46			
100	1/2 BPSK	135	0	21.82	21.99	22.10	23.5	0.5	
100	1/2 BPSK	135	69	22.39	22.55	22.59	24.0	0.0	
100	1/2 BPSK	135	138	21.86	21.85	22.08	23.5	0.5	
100	1/2 BPSK	270	0	22.06	21.92	21.88			
100	QPSK	1	1	22.58	22.62	22.55			
100	QPSK	1	137	22.52	22.43	22.38	24.0	0.0	
100	QPSK	1	271	22.37	22.40	22.37	23.0	1.0	
100	QPSK	135	0	21.38	21.98	21.36	23.0	1.0	
100	QPSK	135	69	22.47	22.53	22.45	24.0	0.0	
100	QPSK	135	138	21.40	21.45	21.61	23.0	1.0	
100	QPSK	270	0	21.47	21.59	21.45	23.0	1.0	
100	16QAM	1	1	21.57	21.38	21.53	23.0	1.0	
100	64QAM	1	1	20.28	20.15	20.07	21.5	2.5	
100	256QAM	1	1	18.22	18.16	18.10	19.5	4.5	
	Channel			508200	518598	526996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	24.0	0.0	
90	QPSK	1	1	22.46	22.52	22.49	24.0	0.0	
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	24.0	0.0	
80	QPSK	1	1	22.52	22.51	22.47	24.0	0.0	
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	24.0	0.0	
70	QPSK	1	1	22.54	22.43	22.51	24.0	0.0	
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2528	2592.99	2659.98	24.0	0.0	
60	QPSK	1	1	22.55	22.45	22.45	24.0	0.0	
	Channel			504204	518598	532996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	24.0	0.0	
50	QPSK	1	1	22.50	22.49	22.58	24.0	0.0	
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	24.0	0.0	
40	QPSK	1	1	22.51	22.42	22.43	24.0	0.0	
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	24.0	0.0	
30	QPSK	1	1	22.42	22.49	22.55	24.0	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	24.0	0.0	
25	QPSK	1	1	22.54	22.41	22.44	24.0	0.0	
	Channel			501204	518598	536998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	24.0	0.0	
20	QPSK	1	1	22.51	22.53	22.58	24.0	0.0	
	Channel			500700	518598	537996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	24.0	0.0	
15	QPSK	1	1	22.58	22.42	22.44	24.0	0.0	
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	24.0	0.0	
10	QPSK	1	1	22.44	22.53	22.56	24.0	0.0	



n38 Ant 3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2890.02	2895	2899.98			
40	1/2 BPSK	1	1	22.47	22.44	22.52	24.0	0.0	
40	1/2 BPSK	1	53	22.49	22.61	22.57			
40	1/2 BPSK	1	104	22.47	22.56	22.49			
40	1/2 BPSK	50	0	21.89	22.05	22.06	23.5	0.5	
40	1/2 BPSK	50	28	22.40	22.44	22.56	24.0	0.0	
40	1/2 BPSK	50	56	21.90	21.84	22.07	23.5	0.5	
40	1/2 BPSK	100	0	22.06	21.98	21.96			
40	QPSK	1	1	22.59	22.63	22.52			
40	QPSK	1	53	22.50	22.36	22.42	24.0	0.0	
40	QPSK	1	104	22.41	22.36	22.38			
40	QPSK	50	0	21.36	21.68	21.29	23.0	1.0	
40	QPSK	50	28	22.54	22.57	22.50	24.0	0.0	
40	QPSK	50	56	21.51	21.50	21.55			
40	QPSK	100	0	21.49	21.58	21.48	23.0	1.0	
40	16QAM	1	1	21.59	21.41	21.48	23.0	1.0	
40	64QAM	1	1	20.25	20.09	20.14	21.5	2.5	
40	256QAM	1	1	18.14	18.17	18.09	19.5	4.5	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2885.01	2895	2894.98	limit		
30	QPSK	1	1	22.45	22.45	22.55	24.0	0.0	
	Channel			518504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2882.52	2895	2897.48	limit		
25	QPSK	1	1	22.46	22.45	22.59	24.0	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2880	2895	2910	limit		
20	QPSK	1	1	22.43	22.50	22.44	24.0	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2877.51	2895	2812.49	limit		
15	QPSK	1	1	22.57	22.56	22.51	24.0	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2875.02	2895	2814.98	limit		
10	QPSK	1	1	22.48	22.56	22.46	24.0	0.0	

n41 Ant 3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.50	22.51	22.64	24.0	0.0	
100	1/2 BPSK	1	137	22.45	22.64	22.55			
100	1/2 BPSK	1	271	22.58	22.60	22.61			
100	1/2 BPSK	135	0	21.93	22.03	22.15	23.5	0.5	
100	1/2 BPSK	135	69	22.46	22.52	22.61	24.0	0.0	
100	1/2 BPSK	135	138	21.89	21.99	22.03	23.5	0.5	
100	1/2 BPSK	270	0	22.09	22.03	21.98			
100	QPSK	1	1	22.62	22.75	22.65			
100	QPSK	1	137	22.58	22.41	22.54	24.0	0.0	
100	QPSK	1	271	22.37	22.41	22.46			
100	QPSK	135	0	21.66	21.72	21.32	23.0	1.0	
100	QPSK	135	69	22.57	22.68	22.65	24.0	0.0	
100	QPSK	135	138	21.51	21.54	21.59	23.0	1.0	
100	QPSK	270	0	21.58	21.67	21.57	23.0	1.0	
100	16QAM	1	1	21.53	21.53	21.43	23.0	1.0	
100	64QAM	1	1	20.39	20.22	20.10	21.5	2.5	
100	256QAM	1	1	18.21	18.20	18.23	19.5	4.5	
	Channel			506200	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit		
90	QPSK	1	1	22.61	22.60	22.56	24.0	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit		
80	QPSK	1	1	22.51	22.52	22.60	24.0	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit		
70	QPSK	1	1	22.43	22.57	22.63	24.0	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit		
60	QPSK	1	1	22.61	22.55	22.45	24.0	0.0	
	Channel			504204	518598	532996	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit		
50	QPSK	1	1	22.53	22.48	22.56	24.0	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit		
40	QPSK	1	1	22.58	22.57	22.62	24.0	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit		
30	QPSK	1	1	22.65	22.51	22.56	24.0	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
25	QPSK	1	1	22.57	22.48	22.57	24.0	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
20	QPSK	1	1	22.50	22.52	22.48	24.0	0.0	
	Channel			500700	518598	537996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit		
15	QPSK	1	1	22.54	22.58	22.57	24.0	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit		
10	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	



Par270 n77 Ant 4 DSI4									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	22.57	22.44	22.44			
100	1/2 BPSK	137	1	22.53	22.51	22.48	24.0	0.0	
100	1/2 BPSK	1	271	22.54	22.52	22.41			
100	1/2 BPSK	135	0	21.83	22.04	22.06	23.5	0.5	
100	1/2 BPSK	135	69	22.36	22.45	22.55	24.0	0.0	
100	1/2 BPSK	135	138	21.78	21.84	21.96			
100	1/2 BPSK	270	0	22.00	22.02	21.83	23.5	0.5	
100	QPSK	1	1	22.58	22.65	22.53			
100	QPSK	1	137	22.51	22.40	22.37	24.0	0.0	
100	QPSK	1	271	22.41	22.29	22.43			
100	QPSK	135	0	21.49	21.60	21.31	23.0	1.0	
100	QPSK	135	69	22.55	22.39	22.54	24.0	0.0	
100	QPSK	135	138	21.40	21.43	21.55			
100	QPSK	270	0	21.85	21.70	21.59	23.0	1.0	
100	16QAM	1	1	21.59	21.45	21.38	23.0	1.0	
100	16QAM	1	1	20.23	20.20	20.13	21.5	2.5	
100	256QAM	1	1	18.18	18.13	18.09	19.5	4.5	
	Channel			649668	650000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.41	22.47	22.43	24.0	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.57	22.54	22.46	24.0	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.51	22.52	22.56	24.0	0.0	
	Channel			648668	650000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.46	22.44	22.47	24.0	0.0	
	Channel			648334	650000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.44	22.55	22.52	24.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.57	22.52	22.54	24.0	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.55	22.47	22.49	24.0	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	22.43	22.43	22.54	24.0	0.0	
	Channel			647334	650000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.59	22.46	22.53	24.0	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.47	22.44	22.55	24.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.43	22.45	22.58	24.0	0.0	

Par270 n77 HPUE Ant 4 DSI4									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	25.52	23.14	24.80			
100	1/2 BPSK	1	137	25.52	23.21	24.75	26.5	0.0	
100	1/2 BPSK	1	271	25.56	23.22	24.79			
100	1/2 BPSK	135	0	24.89	22.63	24.23	26.0	0.5	
100	1/2 BPSK	135	69	25.45	23.17	24.74	26.5	0.0	
100	1/2 BPSK	135	138	24.85	22.64	24.13	26.0	0.5	
100	1/2 BPSK	270	0	25.15	22.69	24.31			
100	QPSK	1	1	25.57	23.25	24.82			
100	QPSK	1	137	25.45	23.13	24.80	26.5	0.0	
100	QPSK	1	271	25.39	23.05	24.73			
100	QPSK	135	0	24.45	22.34	23.75	25.5	1.0	
100	QPSK	135	69	25.53	23.21	24.81	26.5	0.0	
100	QPSK	135	138	24.57	22.18	23.72	25.5	1.0	
100	QPSK	270	0	24.60	22.32	23.92			
100	16QAM	1	1	24.52	22.08	23.83	25.5	1.0	
100	16QAM	1	1	23.24	20.86	22.62	24.0	2.5	
100	256QAM	1	1	21.25	18.82	20.57	22.0	4.5	
	Channel			649668	650000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	25.50	23.20	24.85	26.5	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	25.45	23.11	24.68	26.5	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	25.39	23.18	24.66	26.5	0.0	
	Channel			648668	650000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	25.41	23.10	24.78	26.5	0.0	
	Channel			648334	650000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	25.50	23.10	24.83	26.5	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	25.42	23.17	24.85	26.5	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	25.49	23.15	24.80	26.5	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	25.40	23.22	24.72	26.5	0.0	
	Channel			647334	650000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	25.47	23.16	24.74	26.5	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	25.50	23.15	24.71	26.5	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	25.49	23.21	24.75	26.5	0.0	

Par270 n78 Ant 4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.5	0.5	
100	1/2 BPSK	135	69				24.0	0.0	
100	1/2 BPSK	135	138				23.5	0.5	
100	1/2 BPSK	270	0				23.0	1.0	
100	QPSK	1	1				24.0	0.0	
100	QPSK	1	137				24.0	0.0	
100	QPSK	1	271				24.0	0.0	
100	QPSK	135	0				23.0	1.0	
100	QPSK	135	69				23.0	1.0	
100	QPSK	135	138				23.0	1.0	
100	QPSK	270	0				23.0	1.0	
100	16QAM	1	1				23.0	1.0	
100	16QAM	1	1				21.5	2.5	
100	256QAM	1	1				19.5	4.5	
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.72	22.63	22.65	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.73	22.71	22.59	24.0	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.72	22.69	22.74	24.0	0.0	
	Channel			648668	650000	651334			



Part270 n78 HPUE Ant 4 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1	25.65	25.65	25.65		
100	1/2 BPSK	1	137	25.78	25.78	25.78	26.5	0.0
100	1/2 BPSK	1	271	25.72	25.72	25.72		
100	1/2 BPSK	135	0	25.20	25.20	25.20	26.0	0.5
100	1/2 BPSK	135	69	25.72	25.72	25.72	26.5	0.0
100	1/2 BPSK	135	138	25.06	25.06	25.06	26.0	0.5
100	1/2 BPSK	270	0	25.20	25.20	25.20		
100	QPSK	1	1	25.86	25.86	25.86		
100	QPSK	1	137	25.58	25.58	25.58	26.5	0.0
100	QPSK	1	271	25.53	25.53	25.53		
100	QPSK	135	0	24.88	24.88	24.88	25.5	1.0
100	QPSK	135	69	25.65	25.65	25.65	26.5	0.0
100	QPSK	135	138	24.60	24.60	24.60	25.5	1.0
100	QPSK	270	0	24.77	24.77	24.77		
100	16QAM	1	1	24.64	24.64	24.64	25.5	1.0
100	16QAM	1	1	23.26	23.26	23.26	24.0	2.5
100	256QAM	1	1	21.32	21.32	21.32	22.0	4.5
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	25.72	25.61	25.71	26.5	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	25.58	25.57	25.72	26.5	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	25.89	25.61	25.58	26.5	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	25.68	25.71	25.66	26.5	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	25.68	25.71	25.61	26.5	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	25.64	25.65	25.70	26.5	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	25.88	25.66	25.80	26.5	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
25	QPSK	1	1	25.63	25.66	25.68	26.5	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
20	QPSK	1	1	25.73	25.71	25.68	26.5	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	25.62	25.66	25.65	26.5	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	25.62	25.64	25.64	26.5	0.0



Par270 n77 Ant 5 DSI4								
BW [MHz]	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	662000		
	Frequency (MHz)			3750	3840	3930		
100	1/2 BPSK	1	1	22.08	22.08	22.14		
100	1/2 BPSK	1	137	22.14	22.16	22.11	24.0	0.0
100	1/2 BPSK	1	271	22.05	22.15	22.06		
100	1/2 BPSK	135	0	21.51	21.62	21.73	23.5	0.5
100	1/2 BPSK	135	69	22.13	22.16	22.09	24.0	0.0
100	1/2 BPSK	135	138	21.51	21.53	21.70	23.5	0.5
100	1/2 BPSK	270	0	21.63	21.58	21.57		
100	QPSK	1	1	22.22	22.27	22.26		
100	QPSK	1	137	22.13	22.12	22.10	24.0	0.0
100	QPSK	1	271	22.05	22.04	22.10		
100	QPSK	135	0	21.02	21.22	21.03	23.0	1.0
100	QPSK	135	69	22.22	22.25	22.21	24.0	0.0
100	QPSK	135	138	21.08	21.09	21.23	23.0	1.0
100	QPSK	270	0	21.28	21.32	21.25		
100	16QAM	1	1	21.20	21.08	21.08	23.0	1.0
100	16QAM	1	1	19.83	19.82	19.66	21.5	2.5
100	256QAM	1	1	17.91	17.91	17.83	19.5	4.5
	Channel			649668	650000	652334	Tune-up	MPR
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	22.03	22.13	22.20	24.0	0.0
	Channel			649334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	22.14	22.09	22.22	24.0	0.0
	Channel			649000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3735	3840	3945	limit	(dB)
70	QPSK	1	1	22.12	22.19	22.12	24.0	0.0
	Channel			648668	650000	653334	Tune-up	MPR
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	22.15	22.16	22.15	24.0	0.0
	Channel			648334	650000	653668	Tune-up	MPR
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	22.15	22.10	22.13	24.0	0.0
	Channel			648000	650000	654000	Tune-up	MPR
	Frequency (MHz)			3720	3840	3960	limit	(dB)
40	QPSK	1	1	22.13	22.13	22.20	24.0	0.0
	Channel			647668	650000	654334	Tune-up	MPR
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	22.16	22.06	22.23	24.0	0.0
	Channel			647334	650000	654668	Tune-up	MPR
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)
25	QPSK	1	1	22.17	22.07	22.21	24.0	0.0
	Channel			647000	650000	655000	Tune-up	MPR
	Frequency (MHz)			3705	3840	3975	limit	(dB)
20	QPSK	1	1	22.10	22.16	22.24	24.0	0.0
	Channel			647168	650000	654834	Tune-up	MPR
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	22.11	22.14	22.10	24.0	0.0
	Channel			647000	650000	655000	Tune-up	MPR
	Frequency (MHz)			3705	3840	3975	limit	(dB)
10	QPSK	1	1	22.22	22.17	22.13	24.0	0.0

Par270 n77 HPUE Ant 5 DSI4								
BW [MHz]	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	662000		
	Frequency (MHz)			3750	3840	3930		
100	1/2 BPSK	1	1	25.17	23.36	24.91		
100	1/2 BPSK	1	137	25.15	23.44	24.72	26.0	0.0
100	1/2 BPSK	1	271	25.18	23.40	24.80		
100	1/2 BPSK	135	0	24.66	22.82	24.18	25.5	0.5
100	1/2 BPSK	135	69	25.16	23.37	24.69	26.0	0.0
100	1/2 BPSK	135	138	24.51	22.77	24.07	25.5	0.5
100	1/2 BPSK	270	0	24.91	22.86	24.31		
100	QPSK	1	1	25.22	23.43	24.82		
100	QPSK	1	137	25.21	23.34	24.91	26.0	0.0
100	QPSK	1	271	25.16	23.25	24.80		
100	QPSK	135	0	24.16	22.61	23.75	25.0	1.0
100	QPSK	135	69	25.17	23.41	24.78	26.0	0.0
100	QPSK	135	138	24.27	22.34	23.74	25.0	1.0
100	QPSK	270	0	24.22	22.59	23.95		
100	16QAM	1	1	24.24	22.30	23.84	25.0	1.0
100	16QAM	1	1	22.94	21.10	22.66	23.5	2.5
100	256QAM	1	1	20.91	18.97	20.52	21.5	4.5
	Channel			649668	650000	652334	Tune-up	MPR
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	25.00	23.28	24.65	26.0	0.0
	Channel			649334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	25.06	23.27	24.75	26.0	0.0
	Channel			649000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3735	3840	3945	limit	(dB)
70	QPSK	1	1	25.19	23.33	24.79	26.0	0.0
	Channel			648668	650000	653334	Tune-up	MPR
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	25.17	23.34	24.78	26.0	0.0
	Channel			648334	650000	653668	Tune-up	MPR
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	25.14	23.33	24.70	26.0	0.0
	Channel			648000	650000	654000	Tune-up	MPR
	Frequency (MHz)			3720	3840	3960	limit	(dB)
40	QPSK	1	1	25.13	23.39	24.76	26.0	0.0
	Channel			647668	650000	654334	Tune-up	MPR
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	25.13	23.29	24.70	26.0	0.0
	Channel			647334	650000	654668	Tune-up	MPR
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)
25	QPSK	1	1	25.19	23.35	24.67	26.0	0.0
	Channel			647000	650000	655000	Tune-up	MPR
	Frequency (MHz)			3705	3840	3975	limit	(dB)
20	QPSK	1	1	25.15	23.36	24.73	26.0	0.0
	Channel			647168	650000	654834	Tune-up	MPR
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	25.00	23.29	24.73	26.0	0.0
	Channel			647000	650000	655000	Tune-up	MPR
	Frequency (MHz)			3705	3840	3975	limit	(dB)
10	QPSK	1	1	25.10	23.35	24.65	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	650000	650000		
	Frequency (MHz)			3750	3750	3750		
100	1/2 BPSK	1	1	22.14	22.14	22.14		
100	1/2 BPSK	1	137	22.14	22.14	22.14	24.0	0.0
100	1/2 BPSK	1	271	22.17	22.17	22.17		
100	1/2 BPSK	135	0	21.59	21.59	21.59	23.5	0.5
100	1/2 BPSK	135	69	22.12	22.12	22.12	24.0	0.0
100	1/2 BPSK	135	138	21.57	21.57	21.57	23.5	0.5
100	1/2 BPSK	270	0	21.55	21.55	21.55		
100	QPSK	1	1	22.02	22.02	22.02		
100	QPSK	1	137	22.10	22.10	22.10	24.0	0.0
100	QPSK	1	271	22.02	22.02	22.02		
100	QPSK	135	0	21.20	21.20	21.20	23.0	1.0
100	QPSK	135	69	22.25	22.25	22.25	24.0	0.0
100	QPSK	135	138	21.14	21.14	21.14	23.0	1.0
100	QPSK	270	0	21.31	21.31	21.31		
100	16QAM	1	1	21.01	21.01	21.01	23.0	1.0
100	16QAM	1	1	19.83	19.83	19.83	21.5	2.5
100	256QAM	1	1	17.84	17.84	17.84	19.5	4.5
	Channel			649668	650000	650334	Tune-up	MPR
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	22.05	22.12	22.15	24.0	0.0
	Channel			649334	650000	650668	Tune-up	MPR
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	22.11	22.03	22.09	24.0	0.0
	Channel			649000	650000	651000	Tune-up	MPR
	Frequency (MHz)			3735	3750	3765	limit	(dB)
70	QPSK	1	1	22.15	22.13	22.07	24.0	0.0
	Channel			648668	650000	651334	Tune-up	MPR
	Frequency (MHz)			3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.05	22.07	22.06	24.0	0.0
	Channel			648334	650000	651668	Tune-up	MPR
	Frequency (MHz)			3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.04	22.07	22.0		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1	25.10	25.12		26.0	0.0
100	1/2 BPSK	1	137	25.20				
100	1/2 BPSK	1	271	25.20				
100	1/2 BPSK	135	0	24.57			25.5	0.5
100	1/2 BPSK	135	69	25.13			26.0	0.0
100	1/2 BPSK	135	138	24.57				
100	1/2 BPSK	270	0	24.53			25.5	0.5
100	QPSK	1	1	25.31				
100	QPSK	1	137	24.95			26.0	0.0
100	QPSK	1	271	24.96				
100	QPSK	135	0	24.16			25.0	1.0
100	QPSK	135	69	25.28			26.0	0.0
100	QPSK	135	138	24.12				
100	QPSK	270	0	24.32			25.0	1.0
100	16QAM	1	1	24.04			25.0	1.0
100	16QAM	1	1	22.87			23.5	2.5
100	256QAM	1	1	20.98			21.5	4.5
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	25.16	25.22	25.18	26.0	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	25.16	25.17	25.13	26.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	25.11	25.15	25.14	26.0	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	25.22	25.24	25.20	26.0	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	25.12	25.16	25.23	26.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	25.11	25.14	25.14	26.0	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	25.18	25.17	25.12	26.0	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	25.21	25.22	25.16	26.0	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3792.02	limit	(dB)
20	QPSK	1	1	25.11	25.22	25.16	26.0	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	25.18	25.20	25.19	26.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	25.10	25.17	25.24	26.0	0.0



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BW [MHz]	Modulati on	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	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	22.58	22.62	22.67			
100	1/2 BPSK	1	137	22.49	22.57	22.57	24.0	0.0	
100	1/2 BPSK	1	271	22.54	22.65	22.61			
100	1/2 BPSK	135	0	21.92	22.11	22.12	23.5	0.5	
100	1/2 BPSK	135	69	22.50	22.65	22.66	24.0	0.0	
100	1/2 BPSK	135	138	22.00	21.95	22.23			
100	1/2 BPSK	270	0	22.09	22.04	22.05	23.5	0.5	
100	QPSK	1	1	22.65	22.70	22.62			
100	QPSK	1	137	22.67	22.59	22.54	24.0	0.0	
100	QPSK	1	271	22.54	22.49	22.43			
100	QPSK	135	0	21.48	21.73	21.40	23.0	1.0	
100	QPSK	135	69	22.62	22.64	22.56	24.0	0.0	
100	QPSK	135	138	21.47	21.54	21.74			
100	QPSK	270	0	21.57	21.62	21.54	23.0	1.0	
100	16QAM	1	1	21.65	21.52	21.70	23.0	1.0	
100	16QAM	1	1	20.31	20.29	20.11	21.5	2.5	
100	256QAM	1	1	18.34	18.34	18.22	19.5	4.5	
		Channel		649688	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.52	22.54	22.53	24.0	0.0	
		Channel		649334	656000	662688	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.49	22.68	22.59	24.0	0.0	
		Channel		649000	656000	663000	Tune-up	MPR	
		Frequency (MHz)		3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.62	22.62	22.53	24.0	0.0	
		Channel		648688	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3930.01	limit	(dB)	
60	QPSK	1	1	22.59	22.83	22.52	24.0	0.0	
		Channel		648334	656000	663688	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3935.02	limit	(dB)	
50	QPSK	1	1	22.54	22.55	22.43	24.0	0.0	
		Channel		648000	656000	664000	Tune-up	MPR	
		Frequency (MHz)		3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.54	22.66	22.51	24.0	0.0	
		Channel		647500	656000	664500	Tune-up	MPR	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.63	22.60	22.58	24.0	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	22.56	22.60	22.49	24.0	0.0	
		Channel		647334	656000	664688	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.59	22.59	22.52	24.0	0.0	
		Channel		647168	656000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.54	22.66	22.47	24.0	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.56	22.54	22.53	24.0	0.0	

Par270 n77 HPUE Ant 7 DSI4									
BW [MHz]	Modulati on	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	662000			
		Frequency (MHz)		3750	3840	3930			
100	1/2 BPSK	1	1	25.62	25.60	25.60			
100	1/2 BPSK	1	137	25.45	25.52	25.57	27.0	0.0	
100	1/2 BPSK	1	271	25.53	25.65	25.54			
100	1/2 BPSK	135	0	24.94	25.19	25.15	26.5	0.5	
100	1/2 BPSK	135	69	25.49	25.62	25.66	27.0	0.0	
100	1/2 BPSK	135	138	24.94	24.94	25.26			
100	1/2 BPSK	270	0	25.02	24.97	24.99	26.5	0.5	
100	QPSK	1	1	25.67	25.68	25.66			
100	QPSK	1	137	25.60	25.53	25.46	27.0	0.0	
100	QPSK	1	271	25.55	25.42	25.51			
100	QPSK	135	0	24.56	24.71	24.41	26.0	1.0	
100	QPSK	135	69	25.55	25.65	25.59	27.0	0.0	
100	QPSK	135	138	24.54	24.50	24.78			
100	QPSK	270	0	24.52	24.68	24.46	26.0	1.0	
100	16QAM	1	1	24.62	24.46	24.46	26.0	1.0	
100	16QAM	1	1	23.25	23.37	23.07	24.5	2.5	
100	256QAM	1	1	21.33	21.33	21.19	22.5	4.5	
		Channel		649688	656000	662334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	25.63	25.58	25.61	27.0	0.0	
		Channel		649334	656000	662688	Tune-up	MPR	
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	25.52	25.56	25.48	27.0	0.0	
		Channel		649000	656000	663000	Tune-up	MPR	
		Frequency (MHz)		3735	3840	3945	limit	(dB)	
70	QPSK	1	1	25.52	25.64	25.51	27.0	0.0	
		Channel		648688	656000	663334	Tune-up	MPR	
		Frequency (MHz)		3730.02	3840	3930.01	limit	(dB)	
60	QPSK	1	1	25.56	25.63	25.60	27.0	0.0	
		Channel		648334	656000	663688	Tune-up	MPR	
		Frequency (MHz)		3725.01	3840	3935.02	limit	(dB)	
50	QPSK	1	1	25.53	25.64	25.53	27.0	0.0	
		Channel		648000	656000	664000	Tune-up	MPR	
		Frequency (MHz)		3720	3840	3960	limit	(dB)	
40	QPSK	1	1	25.54	25.63	25.50	27.0	0.0	
		Channel		647500	656000	664500	Tune-up	MPR	
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	25.61	25.60	25.51	27.0	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	25.60	25.57	25.63	27.0	0.0	
		Channel		647334	656000	664688	Tune-up	MPR	
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	25.54	25.55	25.63	27.0	0.0	
		Channel		647168	656000	664834	Tune-up	MPR	
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	25.58	25.57	25.52	27.0	0.0	
		Channel		647000	656000	665000	Tune-up	MPR	
		Frequency (MHz)		3705	3840	3975	limit	(dB)	
10	QPSK	1	1	25.62	25.60	25.54	27.0	0.0	

Par270 n78 Ant 7 DSI4									
BW [MHz]	Modulati on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
		Frequency (MHz)		3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.5	0.5	
100	1/2 BPSK	135	69				23.03		
100	1/2 BPSK	135	138				22.33		
100	1/2 BPSK	270	0				22.48		
100	QPSK	1	1				23.09		
100	QPSK	1	137				23.02		
100	QPSK	1	271				22.82		
100	QPSK	135	0				22.05		
100	QPSK	135	69				23.05		
100	QPSK	135	138				22.01		
100	QPSK	270	0				22.04		
100	16QAM	1	1				21.96		
100	16QAM	1	1				20.99		
100	256QAM	1	1				18.73		
		Channel		649688	650000	650334	Tune-up	MPR	
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.97	22.90	22.89	24.0	0.0	
		Channel		649334	650000	650688	Tune-up	MPR	
		Frequency (MHz)		3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.96	22.90	22.97	24.0	0.0	
		Channel		649000	650000	651000	Tune-up	MPR	
		Frequency (MHz)		3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.92	22.98	22.98	24.0	0.0	
		Channel		648688	650000	651334	Tune-up	MPR	

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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	1/2 BPSK	1	1		26.09				
100	1/2 BPSK	1	137		25.93		27.0	0.0	
100	1/2 BPSK	1	271		26.06				
100	1/2 BPSK	135	0		25.48		26.5	0.5	
100	1/2 BPSK	135	69		26.07		27.0	0.0	
100	1/2 BPSK	135	138		25.42		26.5	0.5	
100	1/2 BPSK	270	0		25.41				
100	QPSK	1	1		26.16				
100	QPSK	1	137		26.05		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.12		26.0	1.0	
100	QPSK	135	69		26.08		27.0	0.0	
100	QPSK	135	138		24.99		26.0	1.0	
100	QPSK	270	0		25.09				
100	16QAM	1	1		24.99		26.0	1.0	
100	16QAM	1	1		23.84		24.5	2.5	
100	256QAM	1	1		21.69		22.5	4.5	
Channel				649688	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1		26.05	25.94	26.03	27.0	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1		26.04	25.93	26.01	27.0	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1		26.00	25.98	25.89	27.0	0.0
Channel				648688	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1		25.93	25.93	25.93	27.0	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1		26.03	26.01	25.99	27.0	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1		26.01	25.95	26.04	27.0	0.0
Channel				647688	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1		26.03	25.92	26.04	27.0	0.0
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1		26.03	26.01	25.94	27.0	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
20	QPSK	1	1		25.92	25.97	25.99	27.0	0.0
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1		25.94	25.96	26.03	27.0	0.0
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1		25.92	25.93	26.02	27.0	0.0



Par270 n77 Ant 8 DSI4									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	22.55	22.46	22.59			
100	1/2 BPSK	1	137	22.40	22.42	22.39	24.0	0.0	
100	1/2 BPSK	1	271	22.59	22.50	22.53			
100	1/2 BPSK	135	0	21.96	21.96	21.96	23.8	0.2	
100	1/2 BPSK	135	69	22.47	22.51	22.45	24.0	0.0	
100	1/2 BPSK	135	138	22.12	22.17	22.17			
100	1/2 BPSK	270	0	21.98	21.98	21.92	23.8	0.2	
100	QPSK	1	1	22.58	22.60	22.55			
100	QPSK	1	137	22.49	22.46	22.49	24.0	0.0	
100	QPSK	1	271	22.33	22.34	22.28			
100	QPSK	135	0	21.71	21.63	21.52	23.3	0.7	
100	QPSK	135	69	22.52	22.57	22.45	24.0	0.0	
100	QPSK	135	138	21.43	21.39	21.61			
100	QPSK	270	0	21.45	21.52	21.45	23.3	0.7	
100	16QAM	1	1	21.36	21.38	21.62	23.3	0.7	
100	16QAM	1	1	20.19	20.13	19.94	21.8	2.2	
100	256QAM	1	1	18.28	18.26	18.05	19.8	4.2	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.43	22.50	22.50	24.0	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.52	22.53	22.43	24.0	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.49	22.48	22.48	24.0	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.45	22.41	22.44	24.0	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.41	22.53	22.40	24.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.47	22.46	22.43	24.0	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.49	22.45	22.53	24.0	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3972.5	limit	(dB)	
25	QPSK	1	1	22.41	22.44	22.43	24.0	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.50	22.43	22.41	24.0	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.53	22.46	22.50	24.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.46	22.45	22.54	24.0	0.0	

Par270 n77 HPUE Ant 8 DSI4									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	26.72	26.75	26.70			
100	1/2 BPSK	1	137	25.62	25.66	25.62	27.0	0.0	
100	1/2 BPSK	1	271	26.76	26.71	26.76			
100	1/2 BPSK	135	0	26.17	26.23	26.22	26.8	0.2	
100	1/2 BPSK	135	69	26.74	26.67	26.71	27.0	0.0	
100	1/2 BPSK	135	138	25.08	25.09	25.26	26.8	0.2	
100	1/2 BPSK	270	0	26.20	26.14	26.17			
100	QPSK	1	1	26.55	26.78	26.63			
100	QPSK	1	137	25.75	25.61	25.67	27.0	0.0	
100	QPSK	1	271	26.52	26.54	26.50			
100	QPSK	135	0	24.81	24.88	24.56	26.3	0.7	
100	QPSK	135	69	26.69	26.75	26.65	27.0	0.0	
100	QPSK	135	138	24.70	24.66	24.85	26.3	0.7	
100	QPSK	270	0	24.64	24.71	24.63			
100	16QAM	1	1	24.59	24.67	24.77	26.3	0.7	
100	16QAM	1	1	23.32	23.38	23.15	24.8	2.2	
100	256QAM	1	1	21.51	21.51	21.25	22.8	4.2	
	Channel			649688	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	26.65	26.68	26.67	27.0	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	26.71	26.74	26.71	27.0	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	26.64	26.66	26.67	27.0	0.0	
	Channel			648668	650000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	26.68	26.66	26.68	27.0	0.0	
	Channel			648334	650000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	26.70	26.69	26.69	27.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	26.71	26.65	26.73	27.0	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	26.61	26.63	26.74	27.0	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3972.5	limit	(dB)	
25	QPSK	1	1	26.69	26.72	26.60	27.0	0.0	
	Channel			647334	650000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	26.63	26.66	26.69	27.0	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	26.68	26.67	26.68	27.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	26.69	26.69	26.67	27.0	0.0	

Par270 n78 Ant 8 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.8	0.2	
100	1/2 BPSK	135	69				22.38	24.0	0.0
100	1/2 BPSK	135	138				21.88	23.8	0.2
100	1/2 BPSK	270	0				21.91		
100	QPSK	1	1				22.42		
100	QPSK	1	137				22.35	24.0	0.0
100	QPSK	1	271				22.24		
100	QPSK	135	0				21.68	23.3	0.7
100	QPSK	135	69				22.40	24.0	0.0
100	QPSK	135	138				21.41	23.3	0.7
100	QPSK	270	0				21.42		
100	16QAM	1	1				21.34	23.3	0.7
100	16QAM	1	1				20.14	21.8	2.2
100	256QAM	1	1				18.08	19.8	4.2
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.83	22.58	22.83	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.32	22.35	22.32	24.0	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.34	22.34	22.41	24.0	0.0	
	Channel								

Part270 n78 HPUE Ant 8 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1	25.33	25.33	25.33		
100	1/2 BPSK	1	137	25.31	25.31	25.31	27.0	0.0
100	1/2 BPSK	1	271	25.39	25.39	25.39		
100	1/2 BPSK	135	0	24.73	24.73	24.73	26.8	0.2
100	1/2 BPSK	135	69	25.28	25.28	25.28	27.0	0.0
100	1/2 BPSK	135	138	24.68	24.68	24.68	26.8	0.2
100	1/2 BPSK	270	0	24.80	24.80	24.80		
100	QPSK	1	1	25.44	25.44	25.44		
100	QPSK	1	137	25.35	25.35	25.35	27.0	0.0
100	QPSK	1	271	25.23	25.23	25.23		
100	QPSK	135	0	24.36	24.36	24.36	26.3	0.7
100	QPSK	135	69	25.42	25.42	25.42	27.0	0.0
100	QPSK	135	138	24.25	24.25	24.25	26.3	0.7
100	QPSK	270	0	24.45	24.45	24.45		
100	16QAM	1	1	24.30	24.30	24.30	26.3	0.7
100	16QAM	1	1	22.92	22.92	22.92	24.8	2.2
100	256QAM	1	1	23.99	23.99	23.99	22.8	4.2
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	25.83	25.80	25.19	27.0	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	25.31	25.30	25.34	27.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	25.27	25.33	25.22	27.0	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	25.21	25.22	25.30	27.0	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	25.27	25.35	25.28	27.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	25.27	25.23	25.34	27.0	0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	25.33	25.22	25.31	27.0	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	25.31	25.25	25.21	27.0	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3792.02	limit	(dB)
20	QPSK	1	1	25.20	25.23	25.22	27.0	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	25.25	25.35	25.22	27.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	25.31	25.29	25.26	27.0	0.0



Reduced Power Mode for DSI6

n5 Ant 0 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	167300	167800				
Frequency (MHz)				834	836.5	839				
20	1/2 BPSK	1	1	22.59	22.53	22.58				
20	1/2 BPSK	1	53	22.62	22.59	22.48	24.0	0.0		
20	1/2 BPSK	1	104	22.57	22.68	22.61				
20	1/2 BPSK	50	0	22.09	21.98	22.10	23.5	0.5		
20	1/2 BPSK	50	28	22.50	22.51	22.57	24.0	0.0		
20	1/2 BPSK	50	56	22.05	22.09	22.06				
20	1/2 BPSK	100	0	22.16	22.13	22.08	23.5	0.5		
20	QPSK	1	1	22.66	22.68	22.59				
20	QPSK	1	53	22.66	22.53	22.59	24.0	0.0		
20	QPSK	1	104	22.42	22.46	22.45				
20	QPSK	50	0	21.54	21.52	21.51	23.0	1.0		
20	QPSK	50	28	22.54	22.65	22.63	24.0	0.0		
20	QPSK	50	56	21.57	21.55	21.66	23.0	1.0		
20	QPSK	100	0	21.66	21.70	21.68				
20	16QAM	1	1	21.59	21.81	21.55	23.0	1.0		
20	64QAM	1	1	20.17	20.15	20.17	21.5	2.5		
20	256QAM	1	1	18.17	18.17	18.33	19.5	4.5		
Channel				166300	167300	168300	Tune-up	MPR		
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)		
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0		
Channel				165800	167300	168800	Tune-up	MPR		
Frequency (MHz)				829	836.5	844	limit	(dB)		
10	QPSK	1	1	22.53	22.66	22.51	24.0	0.0		
Channel				165300	167300	169300	Tune-up	MPR		
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)		
5	QPSK	1	1	22.59	22.55	22.56	24.0	0.0		

n26 Ant 0 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.60	22.56	22.59				
20	1/2 BPSK	1	53	22.56	22.49	22.44	24.0	0.0		
20	1/2 BPSK	1	104	22.51	22.66	22.61				
20	1/2 BPSK	50	0	22.04	22.00	22.09	23.5	0.5		
20	1/2 BPSK	50	28	22.39	22.43	22.60	24.0	0.0		
20	1/2 BPSK	50	56	22.03	22.05	22.08				
20	1/2 BPSK	100	0	22.04	22.08	21.98	23.5	0.5		
20	QPSK	1	1	22.67	22.68	22.65				
20	QPSK	1	53	22.65	22.47	22.47	24.0	0.0		
20	QPSK	1	104	22.38	22.37	22.33				
20	QPSK	50	0	21.57	21.52	21.49	23.0	1.0		
20	QPSK	50	28	22.58	22.64	22.58	24.0	0.0		
20	QPSK	50	56	21.53	21.51	21.61	23.0	1.0		
20	QPSK	100	0	21.54	21.62	21.59				
20	16QAM	1	1	21.50	21.49	21.51	23.0	1.0		
20	64QAM	1	1	20.24	20.13	20.19	21.5	2.5		
20	256QAM	1	1	18.20	18.20	18.37	19.5	4.5		
Channel				164300	166300	168300	Tune-up	MPR		
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)		
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0		
Channel				163800	166300	168800	Tune-up	MPR		
Frequency (MHz)				819	831.5	844	limit	(dB)		
10	QPSK	1	1	22.61	22.54	22.47	24.0	0.0		
Channel				163300	166300	169300	Tune-up	MPR		
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)		
5	QPSK	1	1	22.54	22.64	22.45	24.0	0.0		

n71 Ant 0 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	136100	137600				
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.51	22.52	22.55				
20	1/2 BPSK	1	53	22.48	22.54	22.33	24.0	0.0		
20	1/2 BPSK	1	104	22.52	22.55	22.48				
20	1/2 BPSK	50	0	22.02	21.92	21.93	23.5	0.5		
20	1/2 BPSK	50	28	22.42	22.46	22.44	24.0	0.0		
20	1/2 BPSK	50	56	21.92	22.04	21.94				
20	1/2 BPSK	100	0	22.07	21.96	22.01	23.5	0.5		
20	QPSK	1	1	22.54	22.57	22.63				
20	QPSK	1	53	22.52	22.44	22.52	24.0	0.0		
20	QPSK	1	104	22.33	22.40	22.27				
20	QPSK	50	0	21.41	21.41	21.37	23.0	1.0		
20	QPSK	50	28	22.46	22.55	22.54	24.0	0.0		
20	QPSK	50	56	21.42	21.49	21.49	23.0	1.0		
20	QPSK	100	0	21.57	21.58	21.57				
20	16QAM	1	1	21.48	21.55	21.37	23.0	1.0		
20	64QAM	1	1	20.15	20.04	20.10	21.5	2.5		
20	256QAM	1	1	18.22	18.15	18.28	19.5	4.5		
Channel				134100	136100	138100	Tune-up	MPR		
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)		
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0		
Channel				133600	136100	138600	Tune-up	MPR		
Frequency (MHz)				668	680.5	693	limit	(dB)		
10	QPSK	1	1	22.52	22.44	22.44	24.0	0.0		
Channel				133100	136100	139100	Tune-up	MPR		
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)		
5	QPSK	1	1	22.49	22.42	22.45	24.0	0.0		



n38 Ant 0 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	19.57	19.69	19.57	21.0	0.0	
40	1/2 BPSK	1	53	19.62	19.61	19.52			
40	1/2 BPSK	1	104	19.65	19.59	19.64			
40	1/2 BPSK	50	0	19.61	19.67	19.58	21.0	0.0	
40	1/2 BPSK	50	28	19.63	19.63	19.63	21.0	0.0	
40	1/2 BPSK	50	56	19.68	19.72	19.51	21.0	0.0	
40	1/2 BPSK	100	0	19.61	19.63	19.64			
40	QPSK	1	1	19.71	19.73	19.64			
40	QPSK	1	53	19.55	19.65	19.66	21.0	0.0	
40	QPSK	1	104	19.61	19.70	19.58			
40	QPSK	50	0	19.67	19.60	19.55	21.0	0.0	
40	QPSK	50	28	19.65	19.71	19.67	21.0	0.0	
40	QPSK	50	56	19.60	19.67	19.55			
40	QPSK	100	0	19.66	19.69	19.59			
40	16QAM	1	1	19.67	19.61	19.53	21.0	0.0	
40	64QAM	1	1	19.62	19.61	19.53	21.0	0.0	
40	256QAM	1	1	18.25	18.08	18.24	19.5	1.5	
	Channel			517002	518000	520998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2585.01	2595	2604.99			
30	QPSK	1	1	19.54	19.59	19.52	21.0	0.0	
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2582.52	2595	2607.48			
25	QPSK	1	1	19.59	19.54	19.50	21.0	0.0	
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2580	2595	2610			
20	QPSK	1	1	19.50	19.49	19.54	21.0	0.0	
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2577.51	2595	2612.49			
15	QPSK	1	1	19.50	19.60	19.43	21.0	0.0	
	Channel			515004	519000	522996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98			
10	QPSK	1	1	19.53	19.52	19.53	21.0	0.0	

n41 Ant 0 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	19.73	19.75	19.69	21.0	0.0	
100	1/2 BPSK	1	137	19.70	19.77	19.75			
100	1/2 BPSK	1	271	19.70	19.75	19.68			
100	1/2 BPSK	135	0	19.71	19.70	19.74	21.0	0.0	
100	1/2 BPSK	135	69	19.70	19.68	19.73	21.0	0.0	
100	1/2 BPSK	135	138	19.68	19.72	19.73	21.0	0.0	
100	1/2 BPSK	270	0	19.75	19.73	19.70			
100	QPSK	1	1	19.78	19.79	19.70			
100	QPSK	1	137	19.71	19.70	19.75	21.0	0.0	
100	QPSK	1	271	19.67	19.75	19.69			
100	QPSK	135	0	19.71	19.73	19.69	21.0	0.0	
100	QPSK	135	69	19.67	19.78	19.64	21.0	0.0	
100	QPSK	135	138	19.74	19.68	19.68	21.0	0.0	
100	QPSK	270	0	19.69	19.77	19.62			
100	16QAM	1	1	19.72	19.73	19.69	21.0	0.0	
100	64QAM	1	1	19.73	19.70	19.62	21.0	0.0	
100	256QAM	1	1	18.21	18.22	18.25	19.5	1.5	
	Channel			506200	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2592.99	2644.98			
90	QPSK	1	1	19.58	19.68	19.54	21.0	0.0	
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2538.02	2592.99	2644.99			
80	QPSK	1	1	19.65	19.66	19.60	21.0	0.0	
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2592.99	2635			
70	QPSK	1	1	19.63	19.65	19.53	21.0	0.0	
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2526	2592.99	2629.98			
60	QPSK	1	1	19.69	19.68	19.55	21.0	0.0	
	Channel			504204	518598	532996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2592.99	2624.99			
50	QPSK	1	1	19.71	19.68	19.61	21.0	0.0	
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2592.99	2620			
40	QPSK	1	1	19.70	19.63	19.56	21.0	0.0	
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2592.99	2614.98			
30	QPSK	1	1	19.65	19.57	19.58	21.0	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2619.99			
25	QPSK	1	1	19.63	19.72	19.61	21.0	0.0	
	Channel			501204	518598	536998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2619.99			
20	QPSK	1	1	19.71	19.60	19.54	21.0	0.0	
	Channel			500700	518598	537996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.5	2592.99	2624.48			
15	QPSK	1	1	19.57	19.70	19.59	21.0	0.0	
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2592.99	2625			
10	QPSK	1	1	19.71	19.71	19.57	21.0	0.0	



n2 Ant 1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	20.11	20.14	20.02				
40	1/2 BPSK	1	108	20.13	20.12	20.12	21.3	0.0		
40	1/2 BPSK	1	214	20.10	20.09	20.07				
40	1/2 BPSK	108	0	20.14	20.19	20.02	21.3	0.0		
40	1/2 BPSK	108	54	20.06	20.08	20.15	21.3	0.0		
40	1/2 BPSK	108	108	20.10	20.16	20.05	21.3	0.0		
40	1/2 BPSK	216	0	20.13	20.19	20.06				
40	QPSK	1	1	20.18	20.24	20.21				
40	QPSK	1	108	20.10	20.10	20.04	21.3	0.0		
40	QPSK	1	214	20.10	20.14	20.07				
40	QPSK	108	0	20.16	20.22	20.12	21.3	0.0		
40	QPSK	108	54	20.13	20.23	20.19	21.3	0.0		
40	QPSK	108	108	20.16	20.08	20.06	21.3	0.0		
40	QPSK	216	0	20.08	20.21	20.16				
40	16QAM	1	1	20.08	20.17	20.14	21.3	0.0		
40	64QAM	1	1	20.20	20.22	20.10	21.3	0.0		
40	256QAM	1	1	18.17	18.20	18.32	19.5	1.8		
Channel				373300	376000	378500	Tune-up	MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)		
35	QPSK	1	1	20.01	20.08	20.05	21.3	0.0		
Channel				373000	376000	379000	Tune-up	MPR		
Frequency (MHz)				1865	1880	1895	limit	(dB)		
30	QPSK	1	1	20.02	20.07	20.00	21.3	0.0		
Channel				372500	376000	379500	Tune-up	MPR		
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)		
25	QPSK	1	1	20.09	20.05	20.05	21.3	0.0		
Channel				372000	376000	380000	Tune-up	MPR		
Frequency (MHz)				1860	1880	1900	limit	(dB)		
20	QPSK	1	1	20.00	20.05	19.05	21.3	0.0		
Channel				371500	376000	381000	Tune-up	MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)		
15	QPSK	1	1	20.01	20.05	20.03	21.3	0.0		
Channel				371000	376000	381000	Tune-up	MPR		
Frequency (MHz)				1855	1880	1905	limit	(dB)		
10	QPSK	1	1	19.97	20.01	20.02	21.3	0.0		
Channel				370500	376000	381500	Tune-up	MPR		
Frequency (MHz)				1852.5	1880	1907.5	limit	(dB)		
5	QPSK	1	1	20.05	20.03	19.97	21.3	0.0		

n5 Ant 1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	167300	167800				
Frequency (MHz)				834	836.5	839				
20	1/2 BPSK	1	1	22.24	22.32	22.30				
20	1/2 BPSK	1	53	22.47	22.34	22.28	24.0	0.0		
20	1/2 BPSK	1	104	22.44	22.37	22.36				
20	1/2 BPSK	50	0	21.86	21.88	21.99	23.5	0.5		
20	1/2 BPSK	50	28	22.26	22.29	22.39	24.0	0.0		
20	1/2 BPSK	50	56	21.83	21.90	21.94	23.5	0.5		
20	1/2 BPSK	100	0	22.02	21.99	21.98				
20	QPSK	1	1	22.44	22.48	22.43				
20	QPSK	1	53	22.46	22.40	22.31	24.0	0.0		
20	QPSK	1	104	22.34	22.27	22.29				
20	QPSK	50	0	21.30	21.44	21.34	23.0	1.0		
20	QPSK	50	28	22.39	22.47	22.34	24.0	0.0		
20	QPSK	50	56	21.45	21.34	21.41	23.0	1.0		
20	QPSK	100	0	21.44	21.53	21.52	23.0	1.0		
20	16QAM	1	1	21.45	21.37	21.31	23.0	1.0		
20	64QAM	1	1	20.15	20.13	20.17	21.5	2.5		
20	256QAM	1	1	18.12	18.12	18.23	19.5	4.5		
Channel				166300	167300	168300	Tune-up	MPR		
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)		
15	QPSK	1	1	22.29	22.45	22.36	24.0	0.0		
Channel				165800	167300	168800	Tune-up	MPR		
Frequency (MHz)				829	836.5	844	limit	(dB)		
10	QPSK	1	1	22.32	22.46	22.27	24.0	0.0		
Channel				165300	167300	169300	Tune-up	MPR		
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)		
5	QPSK	1	1	22.39	22.44	22.25	24.0	0.0		

n7 Ant 1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	20.56	20.58	20.52				
40	1/2 BPSK	1	108	20.67	20.69	20.62	21.8	0.0		
40	1/2 BPSK	1	214	20.65	20.69	20.66				
40	1/2 BPSK	108	0	20.55	20.59	20.52	21.8	0.0		
40	1/2 BPSK	108	54	20.68	20.64	20.57	21.8	0.0		
40	1/2 BPSK	108	108	20.64	20.63	20.56	21.8	0.0		
40	1/2 BPSK	216	0	20.66	20.70	20.64				
40	QPSK	1	1	20.63	20.73	20.66				
40	QPSK	1	108	20.68	20.59	20.53	21.8	0.0		
40	QPSK	1	214	20.65	20.68	20.52				
40	QPSK	108	0	20.58	20.70	20.66	21.8	0.0		
40	QPSK	108	54	20.58	20.72	20.60	21.8	0.0		
40	QPSK	108	108	20.66	20.60	20.62	21.8	0.0		
40	QPSK	216	0	20.66	20.71	20.63				
40	16QAM	1	1	20.57	20.67	20.51	21.8	0.0		
40	64QAM	1	1	20.21	20.12	20.18	21.5	0.3		
40	256QAM	1	1	18.26	18.09	18.46	19.5	2.3		
Channel				503000	507000	511000	Tune-up	MPR		
Frequency (MHz)				2515	2535	2555	limit	(dB)		
30	QPSK	1	1	20.55	20.59	20.55	21.8	0.0		
Channel				502500	507000	511500	Tune-up	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)		
25	QPSK	1	1	20.69	20.70	20.52	21.8	0.0		
Channel				502000	507000	512000	Tune-up	MPR		
Frequency (MHz)				2510	2535	2560	limit	(dB)		
20	QPSK	1	1	20.64	20.68	20.61	21.8	0.0		
Channel				501500	507000	512500	Tune-up	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)		
15	QPSK	1	1	20.68	20.73	20.65	21.8	0.0		
Channel				501000	507000	513000	Tune-up	MPR		
Frequency (MHz)				2505	2535	2565	limit	(dB)		
10	QPSK	1	1	20.66	20.57	20.56	21.8	0.0		
Channel				500500	507000	513500	Tune-up	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)		
5	QPSK	1	1	20.61	20.58	20.65	21.8	0.0		



n26 Ant 1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.44	22.39	22.46				
20	1/2 BPSK	1	53	22.40	22.45	22.45	24.0	0.0		
20	1/2 BPSK	1	104	22.37	22.45	22.37				
20	1/2 BPSK	50	0	21.89	21.91	22.07	23.5	0.5		
20	1/2 BPSK	50	28	22.43	22.33	22.46	24.0	0.0		
20	1/2 BPSK	50	56	21.88	21.97	22.06	23.5	0.5		
20	1/2 BPSK	100	0	22.01	22.06	21.94				
20	QPSK	1	1	22.47	22.50	22.44				
20	QPSK	1	53	22.43	22.46	22.38	24.0	0.0		
20	QPSK	1	104	22.35	22.24	22.35				
20	QPSK	50	0	21.40	21.48	21.32	23.0	1.0		
20	QPSK	50	28	22.41	22.49	22.47	24.0	0.0		
20	QPSK	50	56	21.40	21.38	21.58	23.0	1.0		
20	QPSK	100	0	21.58	21.59	21.56				
20	16QAM	1	1	21.92	21.50	21.47	23.0	1.0		
20	64QAM	1	1	20.27	20.15	20.09	21.5	2.5		
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164300	166300	168300	Tune-up	MPR		
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)		
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0		
Channel				163800	166800	168800	Tune-up	MPR		
Frequency (MHz)				819	831.5	844	limit	(dB)		
10	QPSK	1	1	22.46	22.44	22.33	24.0	0.0		
Channel				163300	166300	169300	Tune-up	MPR		
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)		
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		

n66 Ant 1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	21.08	21.18	21.06				
40	1/2 BPSK	1	108	21.14	21.11	21.12	22.7	0.0		
40	1/2 BPSK	1	214	21.15	21.11	21.08				
40	1/2 BPSK	108	0	21.16	21.15	21.04	22.7	0.0		
40	1/2 BPSK	108	54	21.11	21.14	21.12	22.7	0.0		
40	1/2 BPSK	108	108	21.16	21.21	21.08	22.7	0.0		
40	1/2 BPSK	216	0	21.13	21.16	21.12				
40	QPSK	1	1	21.18	21.22	21.15				
40	QPSK	1	108	21.12	21.18	21.11	22.7	0.0		
40	QPSK	1	214	21.12	21.16	21.10				
40	QPSK	108	0	21.11	21.16	21.08	22.7	0.0		
40	QPSK	108	54	21.08	21.18	21.16	22.7	0.0		
40	QPSK	108	108	21.15	21.12	21.04	22.7	0.0		
40	QPSK	216	0	21.13	21.16	21.08				
40	16QAM	1	1	21.06	21.14	21.11	22.7	0.0		
40	64QAM	1	1	20.40	20.25	20.22	21.5	1.2		
40	256QAM	1	1	18.36	18.27	18.34	19.5	3.2		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	21.11	21.10	21.16	22.7	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	21.20	21.14	21.09	22.7	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	21.19	21.17	21.04	22.7	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	21.16	21.11	21.10	22.7	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	21.16	21.15	21.14	22.7	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	21.07	21.17	21.15	22.7	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	21.17	21.15	21.15	22.7	0.0		

n71 Ant 1 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	136100	137600				
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.45	22.44	22.46				
20	1/2 BPSK	1	53	22.42	22.53	22.46	24.0	0.0		
20	1/2 BPSK	1	104	22.43	22.48	22.37				
20	1/2 BPSK	50	0	21.77	21.95	22.05	23.5	0.5		
20	1/2 BPSK	50	28	22.37	22.45	22.47	24.0	0.0		
20	1/2 BPSK	50	56	21.79	21.83	21.87	23.5	0.5		
20	1/2 BPSK	100	0	21.38	21.93	21.85				
20	QPSK	1	1	22.46	22.54	22.49				
20	QPSK	1	53	22.42	22.35	22.39	24.0	0.0		
20	QPSK	1	104	22.29	22.32	22.38				
20	QPSK	50	0	21.38	21.58	21.26	23.0	1.0		
20	QPSK	50	28	22.43	22.49	22.44	24.0	0.0		
20	QPSK	50	56	21.39	21.41	21.53	23.0	1.0		
20	QPSK	100	0	21.45	21.59	21.42				
20	16QAM	1	1	21.48	21.41	21.41	23.0	1.0		
20	64QAM	1	1	20.21	20.08	20.02	21.5	2.5		
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	136100	138100	Tune-up	MPR		
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)		
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0		
Channel				133600	136100	138600	Tune-up	MPR		
Frequency (MHz)				668	680.5	692	limit	(dB)		
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	136100	139100	Tune-up	MPR		
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)		
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		



n38 Ant 1 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.31	20.31	20.18			
40	1/2 BPSK	1	53	20.26	20.26	20.19	21.7	0.0	
40	1/2 BPSK	1	104	20.28	20.27	20.17			
40	1/2 BPSK	50	0	20.32	20.21	20.19	21.7	0.0	
40	1/2 BPSK	50	28	20.21	20.24	20.21	21.7	0.0	
40	1/2 BPSK	50	56	20.31	20.21	20.15	21.7	0.0	
40	1/2 BPSK	100	0	20.31	20.27	20.25			
40	QPSK	1	1	20.23	20.35	20.26			
40	QPSK	1	53	20.28	20.30	20.20	21.7	0.0	
40	QPSK	1	104	20.24	20.34	20.30			
40	QPSK	50	0	20.25	20.30	20.27	21.7	0.0	
40	QPSK	50	28	20.32	20.33	20.17	21.7	0.0	
40	QPSK	50	56	20.19	20.31	20.19	21.7	0.0	
40	QPSK	100	0	20.27	20.31	20.20			
40	16QAM	1	1	20.29	20.32	20.18	21.7	0.0	
40	64QAM	1	1	20.31	20.25	20.22	21.5	0.2	
40	256QAM	1	1	18.49	18.48	18.47	19.5	2.2	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.98	limit	(dB)	
30	QPSK	1	1	20.19	20.13	20.06	21.7	0.0	
	Channel			516504	518000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	20.12	20.22	20.06	21.7	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit	(dB)	
20	QPSK	1	1	20.23	20.14	20.05	21.7	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)	
15	QPSK	1	1	20.18	20.25	20.15	21.7	0.0	
	Channel			515004	519000	522998	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	20.10	20.23	20.15	21.7	0.0	

n41 Ant 1 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.33	20.37	20.26			
100	1/2 BPSK	1	137	20.33	20.27	20.23	21.7	0.0	
100	1/2 BPSK	1	271	20.28	20.29	20.29			
100	1/2 BPSK	135	0	20.38	20.27	20.24	21.7	0.0	
100	1/2 BPSK	135	69	20.32	20.22	20.23	21.7	0.0	
100	1/2 BPSK	135	138	20.37	20.23	20.19	21.7	0.0	
100	1/2 BPSK	270	0	20.41	20.40	20.23			
100	QPSK	1	1	20.24	20.43	20.29			
100	QPSK	1	137	20.30	20.28	20.20	21.7	0.0	
100	QPSK	1	271	20.36	20.40	20.40			
100	QPSK	135	0	20.32	20.35	20.27	21.7	0.0	
100	QPSK	135	69	20.36	20.39	20.23	21.7	0.0	
100	QPSK	135	138	20.17	20.29	20.16	21.7	0.0	
100	QPSK	270	0	20.33	20.37	20.21			
100	16QAM	1	1	20.29	20.36	20.23	21.7	0.0	
100	64QAM	1	1	20.34	20.33	20.21	21.5	0.2	
100	256QAM	1	1	18.59	18.51	18.46	19.5	2.2	
	Channel			506200	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	20.30	20.33	20.25	21.7	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2644.99	limit	(dB)	
80	QPSK	1	1	20.30	20.25	20.19	21.7	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2655	limit	(dB)	
70	QPSK	1	1	20.31	20.32	20.17	21.7	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2528	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	20.33	20.24	20.17	21.7	0.0	
	Channel			504204	518598	532998	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	20.31	20.23	20.19	21.7	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	20.24	20.24	20.12	21.7	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	20.27	20.21	20.25	21.7	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
25	QPSK	1	1	20.15	20.27	20.25	21.7	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	20.33	20.24	20.13	21.7	0.0	
	Channel			500200	518598	537996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	20.24	20.21	20.11	21.7	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	20.20	20.28	20.19	21.7	0.0	



n2 Ant 2 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	22.39	22.45	22.42				
40	1/2 BPSK	1	108	22.44	22.54	22.53	24.0	0.0		
40	1/2 BPSK	1	214	22.46	22.52	22.53				
40	1/2 BPSK	108	0	21.81	22.02	22.02	23.5	0.5		
40	1/2 BPSK	108	54	22.43	22.39	22.50	24.0	0.0		
40	1/2 BPSK	108	108	21.75	21.82	22.00				
40	1/2 BPSK	216	0	22.03	21.87	21.92	23.5	0.5		
40	QPSK	1	1	22.53	22.55	22.51				
40	QPSK	1	108	22.49	22.31	22.38	24.0	0.0		
40	QPSK	1	214	22.23	22.24	22.46				
40	QPSK	108	0	21.40	21.56	21.29	23.0	1.0		
40	QPSK	108	54	22.45	22.51	22.46	24.0	0.0		
40	QPSK	108	108	21.44	21.42	21.52				
40	QPSK	216	0	21.41	21.54	21.49	23.0	1.0		
40	16QAM	1	1	21.41	21.40	21.41	23.0	1.0		
40	64QAM	1	1	20.23	20.00	20.02	21.5	2.5		
40	256QAM	1	1	18.22	18.16	18.11	19.5	4.5		
Channel				373500	376000	378500	Tune-up	MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)		
35	QPSK	1	1	22.44	22.46	22.45	24.0	0.0		
Channel				373000	376000	379000	Tune-up	MPR		
Frequency (MHz)				1895	1880	1895	limit	(dB)		
30	QPSK	1	1	22.39	22.39	22.48	24.0	0.0		
Channel				372500	376000	379500	Tune-up	MPR		
Frequency (MHz)				1892.5	1880	1897.5	limit	(dB)		
25	QPSK	1	1	22.49	22.49	22.39	24.0	0.0		
Channel				372000	376000	380000	Tune-up	MPR		
Frequency (MHz)				1880	1880	1900	limit	(dB)		
20	QPSK	1	1	22.43	22.42	22.47	24.0	0.0		
Channel				371500	376000	380500	Tune-up	MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)		
15	QPSK	1	1	22.46	22.40	22.41	24.0	0.0		
Channel				371000	376000	381000	Tune-up	MPR		
Frequency (MHz)				1895	1880	1905	limit	(dB)		
10	QPSK	1	1	22.51	22.49	22.38	24.0	0.0		
Channel				370500	376000	381500	Tune-up	MPR		
Frequency (MHz)				1892.5	1880	1897.5	limit	(dB)		
5	QPSK	1	1	22.33	22.44	22.43	24.0	0.0		

n7 Ant 2 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	20.45	20.61	20.56				
40	1/2 BPSK	1	108	20.45	20.63	20.53	21.6	0.0		
40	1/2 BPSK	1	214	20.40	20.56	20.57				
40	1/2 BPSK	108	0	20.51	20.54	20.53	21.6	0.0		
40	1/2 BPSK	108	54	20.47	20.55	20.57	21.6	0.0		
40	1/2 BPSK	108	108	20.48	20.60	20.54				
40	1/2 BPSK	216	0	20.48	20.55	20.49	21.6	0.0		
40	QPSK	1	1	20.58	20.64	20.56				
40	QPSK	1	108	20.55	20.58	20.43	21.6	0.0		
40	QPSK	1	214	20.48	20.62	20.49				
40	QPSK	108	0	20.44	20.60	20.44	20.6	1.0		
40	QPSK	108	54	20.50	20.61	20.44	21.6	0.0		
40	QPSK	108	108	20.47	20.49	20.45				
40	QPSK	216	0	20.49	20.58	20.48	20.6	1.0		
40	16QAM	1	1	20.48	20.53	20.52	21.6	0.0		
40	64QAM	1	1	20.53	20.53	20.56	21.5	0.1		
40	256QAM	1	1	18.21	18.12	18.03	19.5	2.1		
Channel				503000	507000	511000	Tune-up	MPR		
Frequency (MHz)				2515	2535	2555	limit	(dB)		
30	QPSK	1	1	20.40	20.40	20.43	21.6	0.0		
Channel				502500	507000	511500	Tune-up	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)		
25	QPSK	1	1	20.36	20.42	20.42	21.6	0.0		
Channel				502000	507000	512000	Tune-up	MPR		
Frequency (MHz)				2510	2535	2560	limit	(dB)		
20	QPSK	1	1	20.30	20.44	20.34	21.6	0.0		
Channel				501500	507000	512500	Tune-up	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)		
15	QPSK	1	1	20.43	20.40	20.37	21.6	0.0		
Channel				501000	507000	513000	Tune-up	MPR		
Frequency (MHz)				2505	2535	2565	limit	(dB)		
10	QPSK	1	1	20.40	20.50	20.46	21.6	0.0		
Channel				500500	507000	513500	Tune-up	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)		
5	QPSK	1	1	20.32	20.51	20.45	21.6	0.0		

n66 Ant 2 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				348000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	22.51	22.41	22.54				
40	1/2 BPSK	1	108	22.39	22.64	22.49	23.6	0.0		
40	1/2 BPSK	1	214	22.52	22.51	22.41				
40	1/2 BPSK	108	0	21.90	22.07	22.17	23.5	0.1		
40	1/2 BPSK	108	54	22.49	22.42	22.56	23.6	0.0		
40	1/2 BPSK	108	108	21.78	21.94	21.95				
40	1/2 BPSK	216	0	21.96	21.93	21.83	23.5	0.1		
40	QPSK	1	1	22.64	22.66	22.61				
40	QPSK	1	108	22.45	22.36	22.40	23.6	0.0		
40	QPSK	1	214	22.32	22.42	22.42				
40	QPSK	108	0	21.49	21.51	21.29	23.0	0.6		
40	QPSK	108	54	22.45	22.58	22.47	23.6	0.0		
40	QPSK	108	108	21.46	21.42	21.52				
40	QPSK	216	0	21.46	21.55	21.52	23.0	0.6		
40	16QAM	1	1	21.56	21.52	21.54	23.0	0.6		
40	64QAM	1	1	20.23	20.17	20.10	21.5	2.1		
40	256QAM	1	1	18.12	18.21	18.13	19.5	4.1		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)		
35	QPSK	1	1	22.46	22.54	22.51	23.6	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	22.48	22.46	22.56	23.6	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	22.40	22.51	22.52	23.6	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	22.43	22.52	22.44	23.6	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	22.55	22.51	22.47	23.6	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	22.48	22.45	22.53	23.6	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	22.56	22.53	22.45	23.6	0.0		



n38 Ant 2 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	19.37	19.50	19.38	20.6	0.0	
40	1/2 BPSK	1	53	19.40	19.48	19.51			
40	1/2 BPSK	1	104	19.52	19.57	19.51			
40	1/2 BPSK	50	0	19.44	19.51	19.47	20.6	0.0	
40	1/2 BPSK	50	28	19.43	19.53	19.46	20.6	0.0	
40	1/2 BPSK	50	56	19.42	19.55	19.41	20.6	0.0	
40	1/2 BPSK	100	0	19.50	19.43	19.46	20.6	0.0	
40	QPSK	1	1	19.56	19.58	19.51			
40	QPSK	1	53	19.44	19.52	19.43	20.6	0.0	
40	QPSK	1	104	19.47	19.47	19.39	20.6	0.0	
40	QPSK	50	0	19.52	19.47	19.40	20.6	0.0	
40	QPSK	50	28	19.44	19.55	19.52	20.6	0.0	
40	QPSK	50	56	19.43	19.51	19.45	20.6	0.0	
40	QPSK	100	0	19.49	19.54	19.52	20.6	0.0	
40	16QAM	1	1	19.51	19.44	19.50	20.6	0.0	
40	64QAM	1	1	19.41	19.54	19.47	20.6	0.0	
40	256QAM	1	1	18.01	18.05	18.03	19.5	1.1	
Channel				517002	518000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.34	19.40	19.31	20.6	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	19.40	19.36	19.31	20.6	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.30	19.30	19.41	20.6	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.30	19.37	19.33	20.6	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.30	19.41	19.42	20.6	0.0	

n41 Ant 2 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	19.48	19.49	19.42	20.6	0.0	
100	1/2 BPSK	1	137	19.51	19.47	19.44	20.6	0.0	
100	1/2 BPSK	1	271	19.43	19.58	19.51			
100	1/2 BPSK	135	0	19.38	19.46	19.51	20.6	0.0	
100	1/2 BPSK	135	69	19.44	19.56	19.43	20.6	0.0	
100	1/2 BPSK	135	138	19.44	19.47	19.52	20.6	0.0	
100	1/2 BPSK	270	0	19.44	19.45	19.50	20.6	0.0	
100	QPSK	1	1	19.52	19.59	19.50			
100	QPSK	1	137	19.37	19.55	19.43	20.6	0.0	
100	QPSK	1	271	19.36	19.48	19.50	20.6	0.0	
100	QPSK	135	0	19.42	19.43	19.44	20.6	0.0	
100	QPSK	135	69	19.50	19.58	19.44	20.6	0.0	
100	QPSK	135	138	19.51	19.47	19.48	20.6	0.0	
100	QPSK	270	0	19.43	19.55	19.53	20.6	0.0	
100	16QAM	1	1	19.38	19.47	19.54	20.6	0.0	
100	64QAM	1	1	19.37	19.57	19.49	20.6	0.0	
100	256QAM	1	1	18.22	18.16	18.10	19.5	1.1	
Channel				506200	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.40	19.48	19.31	20.6	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	1	19.30	19.37	19.32	20.6	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	19.23	19.45	19.36	20.6	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.28	19.46	19.42	20.6	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.35	19.47	19.42	20.6	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.33	19.40	19.39	20.6	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.34	19.41	19.32	20.6	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	19.31	19.47	19.41	20.6	0.0	
Channel				501204	518598	536998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.27	19.43	19.43	20.6	0.0	
Channel				500700	518598	537996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	19.38	19.44	19.39	20.6	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2686			
10	QPSK	1	1	19.35	19.35	19.30	20.6	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.98	21.04	20.93			
40	1/2 BPSK	1	53	20.96	21.09	20.98	22.4	0.0	
40	1/2 BPSK	1	104	21.06	21.02	20.96			
40	1/2 BPSK	50	0	21.03	21.07	20.98	22.4	0.0	
40	1/2 BPSK	50	28	21.00	21.02	21.02	22.4	0.0	
40	1/2 BPSK	50	56	20.94	21.00	21.01	22.4	0.0	
40	1/2 BPSK	100	0	21.04	21.09	20.96			
40	QPSK	1	1	21.05	21.12	21.08			
40	QPSK	1	53	20.91	21.09	21.04	22.4	0.0	
40	QPSK	1	104	21.02	21.00	21.03			
40	QPSK	50	0	21.06	21.06	21.07	22.4	0.0	
40	QPSK	50	28	21.06	21.11	21.08	22.4	0.0	
40	QPSK	50	56	20.92	21.08	21.05			
40	QPSK	100	0	21.05	21.08	21.03	22.4	0.0	
40	16QAM	1	1	20.91	21.08	20.95	22.4	0.0	
40	64QAM	1	1	20.15	20.09	20.14	21.5	0.9	
40	256QAM	1	1	18.14	18.17	18.09	19.5	2.9	
	Channel			517002	518000	520998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2585.01	2595	2604.99			
30	QPSK	1	1	20.95	21.03	20.94	22.4	0.0	
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2582.52	2595	2607.48			
25	QPSK	1	1	21.04	21.01	20.97	22.4	0.0	
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2580	2595	2610			
20	QPSK	1	1	20.95	21.01	20.99	22.4	0.0	
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2577.51	2595	2612.49			
15	QPSK	1	1	20.93	21.02	21.02	22.4	0.0	
	Channel			515004	519000	522998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98			
10	QPSK	1	1	20.96	21.10	21.06	22.4	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.99	21.10	21.02			
100	1/2 BPSK	1	137	21.09	21.17	21.04	22.4	0.0	
100	1/2 BPSK	1	271	21.09	21.13	20.99			
100	1/2 BPSK	135	0	21.11	21.09	21.09	22.4	0.0	
100	1/2 BPSK	135	69	21.02	21.09	21.01	22.4	0.0	
100	1/2 BPSK	135	138	21.08	21.12	20.99	22.4	0.0	
100	1/2 BPSK	270	0	21.02	21.15	21.09			
100	QPSK	1	1	21.09	21.18	21.08			
100	QPSK	1	137	21.00	21.16	21.04	22.4	0.0	
100	QPSK	1	271	21.05	21.13	21.10			
100	QPSK	135	0	21.08	21.08	21.09	22.4	0.0	
100	QPSK	135	69	21.11	21.15	21.13	22.4	0.0	
100	QPSK	135	138	21.03	21.08	21.04	22.4	0.0	
100	QPSK	270	0	21.07	21.14	21.12			
100	16QAM	1	1	21.04	21.13	21.11	22.4	0.0	
100	64QAM	1	1	20.39	20.22	20.10	21.5	0.9	
100	256QAM	1	1	18.21	18.20	18.23	19.5	2.9	
	Channel			506200	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2592.99	2644.98			
90	QPSK	1	1	21.10	21.04	20.99	22.4	0.0	
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2538.02	2592.99	2644.99			
80	QPSK	1	1	20.98	21.11	21.11	22.4	0.0	
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2592.99	2655			
70	QPSK	1	1	21.03	21.03	21.07	22.4	0.0	
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2528	2592.99	2659.98			
60	QPSK	1	1	21.09	21.11	21.06	22.4	0.0	
	Channel			504204	518598	532998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99			
50	QPSK	1	1	21.01	21.13	20.98	22.4	0.0	
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2592.99	2670			
40	QPSK	1	1	20.96	21.04	21.02	22.4	0.0	
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2592.99	2674.98			
30	QPSK	1	1	21.05	21.15	21.03	22.4	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99			
25	QPSK	1	1	20.98	21.09	21.05	22.4	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99			
20	QPSK	1	1	21.10	21.05	21.11	22.4	0.0	
	Channel			500700	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48			
15	QPSK	1	1	20.99	21.14	21.10	22.4	0.0	
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2592.99	2685			
10	QPSK	1	1	21.04	21.12	21.12	22.4	0.0	



Par270 n77 Ant 4 DSI6									
BW [MHz]	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	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	20.02	20.03	19.85			
100	1/2 BPSK	137		19.92	19.96	19.88	21.4	0.0	
100	1/2 BPSK	1	271	19.92	20.07	19.92			
100	1/2 BPSK	135	0	20.11	20.08	20.03	21.4	0.0	
100	1/2 BPSK	135	69	19.99	20.14	19.87	21.4	0.0	
100	1/2 BPSK	135	138	20.05	20.04	20.03			
100	1/2 BPSK	270	0	20.08	20.01	19.83	21.4	0.0	
100	QPSK	1	1	20.12	20.15	20.08			
100	QPSK	1	137	19.86	19.96	19.88	21.4	0.0	
100	QPSK	1	271	19.84	19.96	19.92			
100	QPSK	135	0	19.98	20.05	20.00	21.4	0.0	
100	QPSK	135	69	20.05	20.12	20.09	21.4	0.0	
100	QPSK	135	138	19.90	20.03	19.86	21.4	0.0	
100	QPSK	270	0	19.98	20.10	20.02			
100	16QAM	1	1	19.99	20.14	19.85	21.4	0.0	
100	16QAM	1	1	20.02	20.05	19.91	21.4	0.0	
100	256QAM	1	1	18.18	18.13	18.09	19.5	1.9	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	19.97	20.03	20.02	21.4	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	20.13	20.09	19.88	21.4	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	19.98	20.14	19.90	21.4	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	20.04	20.15	19.93	21.4	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	20.09	20.04	19.90	21.4	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	20.03	20.10	19.94	21.4	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	20.06	20.03	19.99	21.4	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	20.02	20.13	19.96	21.4	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	20.00	20.07	19.97	21.4	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	20.12	20.09	19.94	21.4	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	20.07	20.10	19.90	21.4	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	23.06	23.02	23.02			
100	1/2 BPSK	137		23.07	22.99	23.02	24.4	0.0	
100	1/2 BPSK	1	271	23.05	23.01	23.01			
100	1/2 BPSK	135	0	23.09	23.09	23.05	24.4	0.0	
100	1/2 BPSK	135	69	22.96	23.04	23.06	24.4	0.0	
100	1/2 BPSK	135	138	23.06	23.02	22.96			
100	1/2 BPSK	270	0	23.03	23.10	23.08	24.4	0.0	
100	QPSK	1	1	23.08	23.11	23.06			
100	QPSK	1	137	23.00	23.06	23.02	24.4	0.0	
100	QPSK	1	271	22.99	23.05	23.09			
100	QPSK	135	0	23.07	23.03	22.96	24.4	0.0	
100	QPSK	135	69	23.06	23.09	22.96	24.4	0.0	
100	QPSK	135	138	23.03	22.97	23.07	24.4	0.0	
100	QPSK	270	0	23.02	23.06	23.03			
100	16QAM	1	1	23.03	22.95	23.02	24.4	0.0	
100	16QAM	1	1	23.03	23.02	22.96	24.4	0.0	
100	256QAM	1	1	21.15	21.18	21.11	22.0	2.4	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	23.05	23.01	23.03	24.4	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	23.07	22.97	22.99	24.4	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.94	23.03	23.11	24.4	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	23.03	23.01	22.98	24.4	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.94	23.00	23.03	24.4	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.95	23.01	23.02	24.4	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	23.03	23.04	23.08	24.4	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	23.05	23.11	23.06	24.4	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	23.03	23.03	22.99	24.4	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	23.06	23.07	23.09	24.4	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.97	23.10	23.09	24.4	0.0	

Par270 n78 Ant 4 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				21.4	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				21.4	0.0	
100	1/2 BPSK	135	69				20.12		
100	1/2 BPSK	135	138				19.98		
100	1/2 BPSK	270	0				20.05		
100	QPSK	1	1				20.18		
100	QPSK	1	137				20.17		
100	QPSK	1	271				20.04		
100	QPSK	135	0				20.04		
100	QPSK	135	69				20.17		
100	QPSK	135	138				20.12		
100	QPSK	270	0				20.15		
100	16QAM	1	1				20.09		
100	16QAM	1	1				20.09		
100	256QAM	1	1				18.23		
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	18.89	19.99	19.94	21.4	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	19.94	20.00	19.93	21.4	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	19.91	19.99	19.86	21.4	0.0	
	Channel			648668	650000	651334	Tune-up	MPR	
	Frequency (MHz)								



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1	23.11	23.11	23.11		
100	1/2 BPSK	1	137	23.23	23.23	23.23	24.4	0.0
100	1/2 BPSK	1	271	23.17	23.17	23.17		
100	1/2 BPSK	135	0	23.19	23.19	23.19	24.4	0.0
100	1/2 BPSK	135	69	23.28	23.28	23.28	24.4	0.0
100	1/2 BPSK	135	138	23.07	23.07	23.07		
100	1/2 BPSK	270	0	23.18	23.18	23.18	24.4	0.0
100	QPSK	1	1	23.30	23.30	23.30		
100	QPSK	1	137	23.25	23.25	23.25	24.4	0.0
100	QPSK	1	271	23.10	23.10	23.10		
100	QPSK	135	0	23.09	23.09	23.09	24.4	0.0
100	QPSK	135	69	23.29	23.29	23.29	24.4	0.0
100	QPSK	135	138	23.23	23.23	23.23		
100	QPSK	270	0	23.25	23.25	23.25	24.4	0.0
100	16QAM	1	1	23.27	23.27	23.27	24.4	0.0
100	64QAM	1	1	23.25	23.25	23.25	24.0	0.4
100	256QAM	1	1	21.41	21.41	21.41	22.0	2.4
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	23.11	23.02	22.99	24.4	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	23.05	23.09	23.08	24.4	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	22.97	22.95	23.06	24.4	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.96	23.00	23.03	24.4	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.99	23.01	23.03	24.4	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	23.06	22.97	23.03	24.4	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.97	23.05	23.02	24.4	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3710.5	3750	3790.5	limit	(dB)
25	QPSK	1	1	22.98	22.99	22.97	24.4	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	23.09	23.07	22.97	24.4	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	23.05	23.08	23.00	24.4	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.95	22.99	23.00	24.4	0.0



Par270 n77 Ant 5 DSI6								
BW [MHz]	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	662000		
		Frequency (MHz)		3750	3840	3930		
100	1/2 BPSK	1	1	21.24	21.30	21.29		
100	1/2 BPSK	1	137	21.21	21.25	21.26	22.9	0.0
100	1/2 BPSK	1	271	21.29	21.25	21.24		
100	1/2 BPSK	135	0	21.27	21.29	21.27	22.9	0.0
100	1/2 BPSK	135	69	21.28	21.24	21.25	22.9	0.0
100	1/2 BPSK	135	138	21.18	21.24	21.22	22.9	0.0
100	1/2 BPSK	270	0	21.28	21.20	21.19		
100	QPSK	1	1	21.25	21.32	21.28		
100	QPSK	1	137	21.18	21.29	21.29	22.9	0.0
100	QPSK	1	271	21.24	21.27	21.20		
100	QPSK	135	0	21.26	21.20	21.30	22.9	0.0
100	QPSK	135	69	21.25	21.31	21.26	22.9	0.0
100	QPSK	135	138	21.28	21.21	21.25	22.9	0.0
100	QPSK	270	0	21.28	21.30	21.23		
100	16QAM	1	1	21.26	21.19	21.29	22.9	0.0
100	16QAM	1	1	19.83	19.82	19.66	21.5	1.4
100	256QAM	1	1	17.91	17.91	17.83	19.5	3.4
		Channel		649688	656000	662334	Tune-up	MPR
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	21.15	21.17	21.17	22.9	0.0
		Channel		649334	650000	662088	Tune-up	MPR
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	21.08	21.20	21.19	22.9	0.0
		Channel		649000	650000	663000	Tune-up	MPR
		Frequency (MHz)		3735	3840	3945	limit	(dB)
70	QPSK	1	1	21.09	21.10	21.21	22.9	0.0
		Channel		648688	656000	663334	Tune-up	MPR
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	21.12	21.18	21.23	22.9	0.0
		Channel		648334	650000	663688	Tune-up	MPR
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	21.05	21.13	21.13	22.9	0.0
		Channel		648000	650000	664000	Tune-up	MPR
		Frequency (MHz)		3720	3840	3960	limit	(dB)
40	QPSK	1	1	21.03	21.21	21.23	22.9	0.0
		Channel		647500	650000	664500	Tune-up	MPR
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	21.14	21.15	21.16	22.9	0.0
		Channel		647000	650000	665000	Tune-up	MPR
		Frequency (MHz)		3712.5	3840	3972.5	limit	(dB)
25	QPSK	1	1	21.07	21.18	21.19	22.9	0.0
		Channel		647334	650000	664688	Tune-up	MPR
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	21.03	21.16	21.18	22.9	0.0
		Channel		647168	650000	664834	Tune-up	MPR
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	21.13	21.16	21.14	22.9	0.0
		Channel		647000	650000	665000	Tune-up	MPR
		Frequency (MHz)		3705	3840	3975	limit	(dB)
10	QPSK	1	1	21.06	21.14	21.15	22.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	650000	662000		
		Frequency (MHz)		3750	3840	3930		
100	1/2 BPSK	1	1	24.10	23.36	24.15		
100	1/2 BPSK	1	137	24.12	23.44	24.13	25.9	0.0
100	1/2 BPSK	1	271	24.06	23.40	24.04		
100	1/2 BPSK	135	0	24.12	22.82	24.16	25.5	0.4
100	1/2 BPSK	135	69	24.10	23.37	24.11	25.9	0.0
100	1/2 BPSK	135	138	24.13	22.77	24.09	25.5	0.4
100	1/2 BPSK	270	0	24.19	22.86	24.18		
100	QPSK	1	1	24.21	23.43	24.14		
100	QPSK	1	137	24.12	23.34	24.13	25.9	0.0
100	QPSK	1	271	24.19	23.25	24.09		
100	QPSK	135	0	24.16	22.61	24.18	25.0	0.9
100	QPSK	135	69	24.18	23.41	24.16	25.9	0.0
100	QPSK	135	138	24.05	22.34	24.10	25.0	0.9
100	QPSK	270	0	24.15	22.59	24.10		
100	16QAM	1	1	24.06	22.30	24.11	25.0	0.9
100	16QAM	1	1	22.94	21.10	22.66	23.5	2.4
100	256QAM	1	1	20.91	18.97	20.52	21.5	4.4
		Channel		649688	656000	662334	Tune-up	MPR
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	24.20	23.28	24.21	25.7	0.0
		Channel		649334	650000	662088	Tune-up	MPR
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	24.28	23.27	24.10	25.9	0.0
		Channel		649000	650000	663000	Tune-up	MPR
		Frequency (MHz)		3735	3840	3945	limit	(dB)
70	QPSK	1	1	24.21	23.33	24.22	25.9	0.0
		Channel		648688	650000	663334	Tune-up	MPR
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	24.24	23.34	24.13	25.9	0.0
		Channel		648334	650000	663688	Tune-up	MPR
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	24.14	23.38	24.20	25.9	0.0
		Channel		648000	650000	664000	Tune-up	MPR
		Frequency (MHz)		3720	3840	3960	limit	(dB)
40	QPSK	1	1	24.17	23.39	24.13	25.7	0.0
		Channel		647500	650000	664500	Tune-up	MPR
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	24.21	23.29	24.16	25.9	0.0
		Channel		647000	650000	665000	Tune-up	MPR
		Frequency (MHz)		3712.5	3840	3972.5	limit	(dB)
25	QPSK	1	1	24.23	23.35	24.16	25.9	0.0
		Channel		647334	650000	664688	Tune-up	MPR
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	24.23	23.36	24.07	25.9	0.0
		Channel		647168	650000	664834	Tune-up	MPR
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	24.23	23.29	24.08	25.9	0.0
		Channel		647000	650000	665000	Tune-up	MPR
		Frequency (MHz)		3705	3840	3975	limit	(dB)
10	QPSK	1	1	24.26	23.35	24.10	25.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	650000	650000		
		Frequency (MHz)		3750	3750	3750		
100	1/2 BPSK	1	1					
100	1/2 BPSK	1	137				22.9	0.0
100	1/2 BPSK	1	271					
100	1/2 BPSK	135	0				22.9	0.0
100	1/2 BPSK	135	69				21.38	
100	1/2 BPSK	135	138				21.30	
100	1/2 BPSK	270	0				21.24	
100	QPSK	1	1				21.23	
100	QPSK	1	137				21.31	
100	QPSK	1	271				21.23	
100	QPSK	135	0				21.22	
100	QPSK	135	69				21.32	
100	QPSK	135	138				21.22	
100	QPSK	270	0				21.28	
100	16QAM	1	1				21.26	
100	16QAM	1	1				21.5	1.4
100	256QAM	1	1				17.94	3.4
		Channel		649688	650000	650334	Tune-up	MPR
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	21.21	21.16	21.15	22.9	0.0
		Channel		649334	650000	650688	Tune-up	MPR
		Frequency (MHz)		3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	21.15	21.12	21.24	22.9	0.0
		Channel		649000	650000	651000	Tune-up	MPR
		Frequency (MHz)		3735	3750	3765	limit	(dB)
70	QPSK	1	1	21.19	21.12	21.20	22.9	0.0
		Channel		648688	650000	651334	Tune-up	MPR
		Frequency (MHz)		3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	21.21	21.26	21.16	22.9	0.0
		Channel		648334	650000	651688	Tune-up	MPR
		Frequency (MHz)		3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	21.23	21.19	21.15	22.9	0.0
		Channel		648000	650000	652000	Tune-up	MPR
		Frequency (MHz)		3720	3750	3780	limit	(dB)
40	QPSK	1	1	21.25	21.13	21.16	22.9	0.0
		Channel						



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1		24.36			
100	1/2 BPSK	1	137		24.28		25.9	0.0
100	1/2 BPSK	1	271		24.31			
100	1/2 BPSK	135	0		24.19		25.5	0.4
100	1/2 BPSK	135	69		24.24		25.9	0.0
100	1/2 BPSK	135	138		24.34			
100	1/2 BPSK	270	0		24.25		25.5	0.4
100	QPSK	1	1		24.39			
100	QPSK	1	137		24.36		25.9	0.0
100	QPSK	1	271		24.17			
100	QPSK	135	0		24.22		25.0	0.9
100	QPSK	135	69		24.36		25.9	0.0
100	QPSK	135	138		24.26		25.0	0.9
100	QPSK	270	0		24.24			
100	16QAM	1	1		24.25		25.0	0.9
100	16QAM	1	1		22.97		23.5	2.4
100	256QAM	1	1		20.88		21.5	4.4
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	24.24	24.20	24.25	25.9	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	24.14	24.13	24.26	25.9	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	24.18	24.10	24.22	25.9	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	24.19	24.17	24.20	25.9	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	24.16	24.16	24.16	25.9	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	24.19	24.16	24.23	25.9	0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	24.24	24.11	24.20	25.9	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3710.5	3750	3790.5	limit	(dB)
25	QPSK	1	1	24.22	24.21	24.18	25.9	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	24.19	24.16	24.25	25.9	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	24.17	24.18	24.24	25.9	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	24.24	24.21	24.17	25.9	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
		Channel		650000	656000	662000				
		Frequency (MHz)		3750	3840	3930				
100	1/2 BPSK	1	1	20.05	20.08	19.96				
100	1/2 BPSK	1	137	20.10	20.13	19.98	21.3	0.0		
100	1/2 BPSK	1	271	20.03	20.08	19.96				
100	1/2 BPSK	135	0	20.00	20.15	20.09	21.3	0.0		
100	1/2 BPSK	135	69	20.10	20.17	20.05	21.3	0.0		
100	1/2 BPSK	135	138	20.04	20.15	20.09				
100	1/2 BPSK	270	0	20.04	20.12	19.95	21.3	0.0		
100	QPSK	1	1	20.14	20.18	20.15				
100	QPSK	1	137	20.05	20.12	20.00	21.3	0.0		
100	QPSK	1	271	20.03	20.08	20.06				
100	QPSK	135	0	20.10	20.14	20.06	21.3	0.0		
100	QPSK	135	69	20.07	20.15	20.05	21.3	0.0		
100	QPSK	135	138	20.09	20.12	20.03	21.3	0.0		
100	QPSK	270	0	20.12	20.13	20.10				
100	16QAM	1	1	20.05	20.06	19.96	21.3	0.0		
100	16QAM	1	1	19.98	20.05	20.00	21.3	0.0		
100	256QAM	1	1	18.34	18.34	18.22	19.5	1.5		
		Channel		649668	656000	662334	Tune-up	MPR		
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)		
90	QPSK	1	1	20.03	20.08	20.03	21.3	0.0		
		Channel		649334	656000	662668	Tune-up	MPR		
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)		
80	QPSK	1	1	19.98	20.12	20.05	21.3	0.0		
		Channel		649000	656000	663000	Tune-up	MPR		
		Frequency (MHz)		3735	3840	3945	limit	(dB)		
70	QPSK	1	1	20.10	20.12	20.01	21.3	0.0		
		Channel		648668	656000	663334	Tune-up	MPR		
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)		
60	QPSK	1	1	20.10	20.15	19.97	21.3	0.0		
		Channel		648334	656000	663668	Tune-up	MPR		
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)		
50	QPSK	1	1	20.05	20.07	19.93	21.3	0.0		
		Channel		648000	656000	664000	Tune-up	MPR		
		Frequency (MHz)		3720	3840	3960	limit	(dB)		
40	QPSK	1	1	20.00	20.11	20.03	21.3	0.0		
		Channel		647668	656000	664334	Tune-up	MPR		
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)		
30	QPSK	1	1	19.99	20.17	20.01	21.3	0.0		
		Channel		647334	656000	664668	Tune-up	MPR		
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)		
25	QPSK	1	1	20.06	20.10	20.03	21.3	0.0		
		Channel		647000	656000	665000	Tune-up	MPR		
		Frequency (MHz)		3712.5	3840	3975.5	limit	(dB)		
20	QPSK	1	1	19.99	20.06	20.00	21.3	0.0		
		Channel		647168	656000	664834	Tune-up	MPR		
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)		
15	QPSK	1	1	20.07	20.08	19.97	21.3	0.0		
		Channel		647000	656000	665000	Tune-up	MPR		
		Frequency (MHz)		3705	3840	3975	limit	(dB)		
10	QPSK	1	1	20.02	20.11	19.96	21.3	0.0		

Par270 n77 HPUE Ant 7 DSI6										
BW [MHz]	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	656000	662000				
		Frequency (MHz)		3750	3840	3930				
100	1/2 BPSK	1	1	23.03	23.04	22.95				
100	1/2 BPSK	1	137	23.05	23.20	22.90	24.3	0.0		
100	1/2 BPSK	1	271	23.08	23.15	22.88				
100	1/2 BPSK	135	0	23.03	23.18	23.01	24.3	0.0		
100	1/2 BPSK	135	69	23.14	23.14	23.13	24.3	0.0		
100	1/2 BPSK	135	138	23.01	23.15	23.13	24.3	0.0		
100	1/2 BPSK	270	0	23.07	23.15	22.97				
100	QPSK	1	1	23.18	23.21	23.19				
100	QPSK	1	137	22.97	23.06	22.94	24.3	0.0		
100	QPSK	1	271	23.09	23.13	23.12				
100	QPSK	135	0	23.09	23.07	23.04	24.3	0.0		
100	QPSK	135	69	23.14	23.18	23.16	24.3	0.0		
100	QPSK	135	138	23.08	23.08	23.01	24.3	0.0		
100	QPSK	270	0	23.12	23.17	23.12				
100	16QAM	1	1	23.06	23.12	22.97	24.3	0.0		
100	16QAM	1	1	22.93	23.05	23.05	24.3	0.0		
100	256QAM	1	1	21.39	21.36	21.18	22.5	1.5		
		Channel		649668	656000	662334	Tune-up	MPR		
		Frequency (MHz)		3745.02	3840	3935.01	limit	(dB)		
90	QPSK	1	1	23.11	23.08	23.10	24.3	0.0		
		Channel		649334	656000	662668	Tune-up	MPR		
		Frequency (MHz)		3740.01	3840	3940.02	limit	(dB)		
80	QPSK	1	1	23.01	23.02	22.99	24.3	0.0		
		Channel		649000	656000	663000	Tune-up	MPR		
		Frequency (MHz)		3735	3840	3945	limit	(dB)		
70	QPSK	1	1	22.98	23.14	23.04	24.3	0.0		
		Channel		648668	656000	663334	Tune-up	MPR		
		Frequency (MHz)		3730.02	3840	3950.01	limit	(dB)		
60	QPSK	1	1	22.97	23.13	23.09	24.3	0.0		
		Channel		648334	656000	663668	Tune-up	MPR		
		Frequency (MHz)		3725.01	3840	3955.02	limit	(dB)		
50	QPSK	1	1	23.01	23.05	23.01	24.3	0.0		
		Channel		648000	656000	664000	Tune-up	MPR		
		Frequency (MHz)		3720	3840	3960	limit	(dB)		
40	QPSK	1	1	23.02	23.13	23.05	24.3	0.0		
		Channel		647668	656000	664334	Tune-up	MPR		
		Frequency (MHz)		3715.02	3840	3965.01	limit	(dB)		
30	QPSK	1	1	23.10	23.03	23.00	24.3	0.0		
		Channel		647334	656000	664668	Tune-up	MPR		
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)		
25	QPSK	1	1	23.01	23.05	23.00	24.3	0.0		
		Channel		647000	656000	665000	Tune-up	MPR		
		Frequency (MHz)		3712.5	3840	3975.5	limit	(dB)		
20	QPSK	1	1	23.10	23.07	23.10	24.3	0.0		
		Channel		647168	656000	664834	Tune-up	MPR		
		Frequency (MHz)		3707.52	3840	3972.51	limit	(dB)		
15	QPSK	1	1	22.97	23.04	23.04	24.3	0.0		
		Channel		647000	656000	665000	Tune-up	MPR		
		Frequency (MHz)		3705	3840	3975	limit	(dB)		
10	QPSK	1	1	23.01	23.15	23.05	24.3	0.0		

Par270 n78 Ant 7 DSI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
		Channel		650000	650000	650000				
		Frequency (MHz)		3750	3750	3750				
100	1/2 BPSK	1	1						21.3	0.0
100	1/2 BPSK	1	137						20.48	
100	1/2 BPSK	1	271						20.44	
100	1/2 BPSK	135	0						20.50	21.3
100	1/2 BPSK	135	69						20.51	21.3
100	1/2 BPSK	135	138						20.43	21.3
100	1/2 BPSK	270	0						20.44	21.3
100	QPSK	1	1						20.52	
100	QPSK	1	137						20.51	21.3
100	QPSK	1	271						20.43	
100	QPSK	135	0						20.44	21.3
100	QPSK	135	69						20.49	21.3
100	QPSK	135	138						20.47	21.3
100	QPSK	270	0						20.48	21.3
100	16QAM	1	1						20.43	21.3
100	16QAM	1	1						20.50	21.3
100	256QAM	1	1						18.73	19.5
		Channel		649668	650000	650334	Tune-up	MPR		
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)		
90	QPSK									

Part270 n78 HPUE Ant 7 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
				650000	650000	650000			
				Channel					
				Frequency (MHz)	3750	3750	3750		
100	1/2 BPSK	1	1		23.50				
100	1/2 BPSK	1	137		23.49			24.3	0.0
100	1/2 BPSK	1	271		23.52				
100	1/2 BPSK	135	0		23.47			24.3	0.0
100	1/2 BPSK	135	69		23.52			24.3	0.0
100	1/2 BPSK	135	138		23.47				
100	1/2 BPSK	270	0		23.37			24.3	0.0
100	QPSK	1	1		23.55				
100	QPSK	1	137		23.47			24.3	0.0
100	QPSK	1	271		23.47				
100	QPSK	135	0		23.43			24.3	0.0
100	QPSK	135	69		23.54			24.3	0.0
100	QPSK	135	138		23.51			24.3	0.0
100	QPSK	270	0		23.53				
100	16QAM	1	1		23.37			24.3	0.0
100	16QAM	1	1		23.52			24.3	0.0
100	256QAM	1	1		21.74			22.5	1.8
				Channel	649668	650000	650334	Tune-up	MPR
				Frequency (MHz)	3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		23.39	23.44	23.45	24.3	0.0
				Channel	649334	650000	650668	Tune-up	MPR
				Frequency (MHz)	3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		23.47	23.45	23.37	24.3	0.0
				Channel	649000	650000	651000	Tune-up	MPR
				Frequency (MHz)	3735	3750	3765	limit	(dB)
70	QPSK	1	1		23.45	23.40	23.39	24.3	0.0
				Channel	648668	650000	651334	Tune-up	MPR
				Frequency (MHz)	3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		23.38	23.46	23.36	24.3	0.0
				Channel	648334	650000	651668	Tune-up	MPR
				Frequency (MHz)	3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		23.33	23.40	23.43	24.3	0.0
				Channel	648000	650000	652000	Tune-up	MPR
				Frequency (MHz)	3720	3750	3780	limit	(dB)
40	QPSK	1	1		23.41	23.33	23.35	24.3	0.0
				Channel	647668	650000	652334	Tune-up	MPR
				Frequency (MHz)	3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		23.46	23.40	23.35	24.3	0.0
				Channel	647500	650000	652500	Tune-up	MPR
				Frequency (MHz)	3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1		23.37	23.48	23.33	24.3	0.0
				Channel	647334	650000	652668	Tune-up	MPR
				Frequency (MHz)	3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1		23.39	23.40	23.46	24.3	0.0
				Channel	647168	650000	652834	Tune-up	MPR
				Frequency (MHz)	3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1		23.41	23.43	23.42	24.3	0.0
				Channel	647000	650000	653000	Tune-up	MPR
				Frequency (MHz)	3705	3750	3795	limit	(dB)
10	QPSK	1	1		23.47	23.46	23.39	24.3	0.0



Par270 n77 Ant 8 DSI6									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	22.55	22.46	22.59			
100	1/2 BPSK	1	137	22.40	22.42	22.39	24.0	0.0	
100	1/2 BPSK	1	271	22.59	22.50	22.53			
100	1/2 BPSK	135	0	21.96	21.96	21.96	23.8	0.2	
100	1/2 BPSK	135	69	22.47	22.51	22.45	24.0	0.0	
100	1/2 BPSK	135	138	22.12	22.17	22.17			
100	1/2 BPSK	270	0	21.98	21.98	21.92	23.8	0.2	
100	QPSK	1	1	22.58	22.60	22.55			
100	QPSK	1	137	22.49	22.46	22.49	24.0	0.0	
100	QPSK	1	271	22.33	22.34	22.28			
100	QPSK	135	0	21.71	21.63	21.52	23.3	0.7	
100	QPSK	135	69	22.52	22.57	22.45	24.0	0.0	
100	QPSK	135	138	21.43	21.39	21.61			
100	QPSK	270	0	21.45	21.52	21.45	23.3	0.7	
100	16QAM	1	1	21.36	21.38	21.62	23.3	0.7	
100	16QAM	1	1	20.19	20.13	19.94	21.8	2.2	
100	256QAM	1	1	18.28	18.26	18.05	19.8	4.2	
	Channel			649668	650000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	22.43	22.50	22.50	24.0	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	22.52	22.53	22.43	24.0	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	22.49	22.48	22.48	24.0	0.0	
	Channel			648668	650000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	22.45	22.41	22.44	24.0	0.0	
	Channel			648334	650000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	22.41	22.53	22.40	24.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	22.47	22.46	22.43	24.0	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	22.49	22.40	22.53	24.0	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3972.5	limit	(dB)	
25	QPSK	1	1	22.41	22.44	22.43	24.0	0.0	
	Channel			647334	650000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	22.50	22.43	22.41	24.0	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	22.53	22.46	22.50	24.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	22.46	22.45	22.54	24.0	0.0	

Par270 n77 HPUE Ant 8 DSI6									
BW [MHz]	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	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	26.72	26.75	26.70			
100	1/2 BPSK	1	137	25.62	25.66	25.62	27.0	0.0	
100	1/2 BPSK	1	271	26.76	26.71	26.76			
100	1/2 BPSK	135	0	26.17	26.23	26.22	26.8	0.2	
100	1/2 BPSK	135	69	26.74	26.67	26.71	27.0	0.0	
100	1/2 BPSK	135	138	25.08	25.09	25.26	26.8	0.2	
100	1/2 BPSK	270	0	26.20	26.14	26.17			
100	QPSK	1	1	26.55	26.78	26.63			
100	QPSK	1	137	25.75	25.61	25.67	27.0	0.0	
100	QPSK	1	271	26.52	26.54	26.50			
100	QPSK	135	0	24.81	24.88	24.56	26.3	0.7	
100	QPSK	135	69	26.69	26.75	26.65	27.0	0.0	
100	QPSK	135	138	24.70	24.66	24.85	26.3	0.7	
100	QPSK	270	0	24.64	24.71	24.63			
100	16QAM	1	1	24.59	24.67	24.77	26.3	0.7	
100	16QAM	1	1	23.32	23.38	23.15	24.8	2.2	
100	256QAM	1	1	21.51	21.51	21.25	22.8	4.2	
	Channel			649688	650000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	26.65	26.68	26.67	27.0	0.0	
	Channel			649334	650000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	26.71	26.74	26.71	27.0	0.0	
	Channel			649000	650000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	26.64	26.66	26.67	27.0	0.0	
	Channel			648668	650000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	26.68	26.66	26.68	27.0	0.0	
	Channel			648334	650000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	26.70	26.69	26.69	27.0	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	26.71	26.65	26.73	27.0	0.0	
	Channel			647668	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	26.61	26.63	26.74	27.0	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3972.5	limit	(dB)	
25	QPSK	1	1	26.69	26.72	26.60	27.0	0.0	
	Channel			647334	650000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	26.63	26.66	26.69	27.0	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	26.68	26.67	26.68	27.0	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	26.69	26.69	26.67	27.0	0.0	

Par270 n78 Ant 8 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1						
100	1/2 BPSK	1	137				24.0	0.0	
100	1/2 BPSK	1	271						
100	1/2 BPSK	135	0				23.8	0.2	
100	1/2 BPSK	135	69				22.38	24.0	0.0
100	1/2 BPSK	135	138				21.88	23.8	0.2
100	1/2 BPSK	270	0				21.91		
100	QPSK	1	1				22.42		
100	QPSK	1	137				22.35	24.0	0.0
100	QPSK	1	271				22.24		
100	QPSK	135	0				21.68	23.3	0.7
100	QPSK	135	69				22.40	24.0	0.0
100	QPSK	135	138				21.41	23.3	0.7
100	QPSK	270	0				21.42		
100	16QAM	1	1				21.34	23.3	0.7
100	16QAM	1	1				20.14	21.8	2.2
100	256QAM	1	1				18.08	19.8	4.2
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	22.83	22.58	22.83	24.0	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	22.32	22.35	22.32	24.0	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3750	3765	limit	(dB)	
70	QPSK	1	1	22.34	22.34	22.41	24.0	0.0	
	Channel								

Part270 n78 HPUE Ant 8 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
				650000	650000	650000			
				Channel					
				Frequency (MHz)	3750	3750	3750		
100	1/2 BPSK	1	1		25.33				
100	1/2 BPSK	1	137		25.31		27.0	0.0	
100	1/2 BPSK	1	271		25.39				
100	1/2 BPSK	135	0		24.73		26.8	0.2	
100	1/2 BPSK	135	69		25.28		27.0	0.0	
100	1/2 BPSK	135	138		24.68				
100	1/2 BPSK	270	0		24.80		26.8	0.2	
100	QPSK	1	1		25.44				
100	QPSK	1	137		25.35		27.0	0.0	
100	QPSK	1	271		25.23				
100	QPSK	135	0		24.36		26.3	0.7	
100	QPSK	135	69		25.42		27.0	0.0	
100	QPSK	135	138		24.25		26.3	0.7	
100	QPSK	270	0		24.45				
100	16QAM	1	1		24.30		26.3	0.7	
100	16QAM	1	1		22.92		24.8	2.2	
100	256QAM	1	1		20.99		22.8	4.2	
				Channel	649688	650000	650334	Tune-up	MPR
				Frequency (MHz)	3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		25.83	25.30	25.19	27.0	0.0
				Channel	649334	650000	650668	Tune-up	MPR
				Frequency (MHz)	3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1		25.31	25.30	25.34	27.0	0.0
				Channel	649000	650000	651000	Tune-up	MPR
				Frequency (MHz)	3735	3750	3765	limit	(dB)
70	QPSK	1	1		25.27	25.33	25.22	27.0	0.0
				Channel	648688	650000	651334	Tune-up	MPR
				Frequency (MHz)	3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		25.21	25.22	25.30	27.0	0.0
				Channel	648334	650000	651668	Tune-up	MPR
				Frequency (MHz)	3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		25.27	25.35	25.28	27.0	0.0
				Channel	648000	650000	652000	Tune-up	MPR
				Frequency (MHz)	3720	3750	3780	limit	(dB)
40	QPSK	1	1		25.27	25.23	25.34	27.0	0.0
				Channel	647688	650000	652334	Tune-up	MPR
				Frequency (MHz)	3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1		25.33	25.22	25.31	27.0	0.0
				Channel	647500	650000	652500	Tune-up	MPR
				Frequency (MHz)	3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1		25.31	25.25	25.21	27.0	0.0
				Channel	647334	650000	652668	Tune-up	MPR
				Frequency (MHz)	3710.01	3750	3792.02	limit	(dB)
20	QPSK	1	1		25.20	25.23	25.22	27.0	0.0
				Channel	647168	650000	652834	Tune-up	MPR
				Frequency (MHz)	3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1		25.25	25.35	25.22	27.0	0.0
				Channel	647000	650000	653000	Tune-up	MPR
				Frequency (MHz)	3705	3750	3795	limit	(dB)
10	QPSK	1	1		25.31	25.29	25.26	27.0	0.0



Reduced Power Mode for DSI7

n5 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				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	1/2 BPSK	1	1	22.59	22.53	22.58			
20	1/2 BPSK	1	53	22.62	22.59	22.48	24.0	0.0	
20	1/2 BPSK	1	104	22.57	22.68	22.61			
20	1/2 BPSK	50	0	22.09	21.98	22.10	23.5	0.5	
20	1/2 BPSK	50	28	22.50	22.51	22.57	24.0	0.0	
20	1/2 BPSK	50	56	22.05	22.09	22.06			
20	1/2 BPSK	100	0	22.16	22.13	22.08	23.5	0.5	
20	QPSK	1	1	22.66	22.68	22.59			
20	QPSK	1	53	22.66	22.53	22.59	24.0	0.0	
20	QPSK	1	104	22.42	22.46	22.45			
20	QPSK	50	0	21.54	21.52	21.51	23.0	1.0	
20	QPSK	50	28	22.54	22.65	22.63	24.0	0.0	
20	QPSK	50	56	21.57	21.55	21.66	23.0	1.0	
20	QPSK	100	0	21.66	21.70	21.68			
20	16QAM	1	1	21.59	21.81	21.55	23.0	1.0	
20	64QAM	1	1	20.17	20.15	20.17	21.5	2.5	
20	256QAM	1	1	18.17	18.17	18.33	19.5	4.5	
Channel				166300	167300	168300	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)	
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up	MPR	
Frequency (MHz)				829	836.5	844	limit	(dB)	
10	QPSK	1	1	22.53	22.66	22.51	24.0	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)	
5	QPSK	1	1	22.59	22.55	22.56	24.0	0.0	

n26 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				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	22.60	22.56	22.59			
20	1/2 BPSK	1	53	22.56	22.49	22.44	24.0	0.0	
20	1/2 BPSK	1	104	22.51	22.66	22.61			
20	1/2 BPSK	50	0	22.04	22.00	22.09	23.5	0.5	
20	1/2 BPSK	50	28	22.39	22.43	22.60	24.0	0.0	
20	1/2 BPSK	50	56	22.03	22.05	22.08			
20	1/2 BPSK	100	0	22.04	22.08	21.98	23.5	0.5	
20	QPSK	1	1	22.67	22.68	22.65			
20	QPSK	1	53	22.65	22.47	22.47	24.0	0.0	
20	QPSK	1	104	22.38	22.37	22.33			
20	QPSK	50	0	21.57	21.52	21.49	23.0	1.0	
20	QPSK	50	28	22.58	22.64	22.58	24.0	0.0	
20	QPSK	50	56	21.53	21.51	21.61	23.0	1.0	
20	QPSK	100	0	21.54	21.62	21.59			
20	16QAM	1	1	21.50	21.49	21.51	23.0	1.0	
20	64QAM	1	1	20.24	20.13	20.19	21.5	2.5	
20	256QAM	1	1	18.20	18.20	18.37	19.5	4.5	
Channel				164300	166300	168300	Tune-up	MPR	
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)	
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up	MPR	
Frequency (MHz)				818	831.5	844	limit	(dB)	
10	QPSK	1	1	22.61	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up	MPR	
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)	
5	QPSK	1	1	22.54	22.64	22.45	24.0	0.0	

n71 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				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	1/2 BPSK	1	1	22.51	22.52	22.55			
20	1/2 BPSK	1	53	22.48	22.54	22.33	24.0	0.0	
20	1/2 BPSK	1	104	22.52	22.55	22.48			
20	1/2 BPSK	50	0	22.02	21.92	21.83	23.5	0.5	
20	1/2 BPSK	50	28	22.42	22.46	22.44	24.0	0.0	
20	1/2 BPSK	50	56	21.92	22.04	21.94			
20	1/2 BPSK	100	0	22.07	21.96	22.01	23.5	0.5	
20	QPSK	1	1	22.54	22.57	22.63			
20	QPSK	1	53	22.52	22.44	22.52	24.0	0.0	
20	QPSK	1	104	22.33	22.40	22.27			
20	QPSK	50	0	21.41	21.41	21.37	23.0	1.0	
20	QPSK	50	28	22.46	22.55	22.54	24.0	0.0	
20	QPSK	50	56	21.42	21.49	21.49	23.0	1.0	
20	QPSK	100	0	21.57	21.58	21.57			
20	16QAM	1	1	21.48	21.55	21.37	23.0	1.0	
20	64QAM	1	1	20.15	20.04	20.10	21.5	2.5	
20	256QAM	1	1	18.22	18.15	18.28	19.5	4.5	
Channel				134100	136100	138100	Tune-up	MPR	
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)	
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up	MPR	
Frequency (MHz)				668	680.5	693	limit	(dB)	
10	QPSK	1	1	22.52	22.44	22.44	24.0	0.0	
Channel				133100	136100	139100	Tune-up	MPR	
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)	
5	QPSK	1	1	22.49	22.42	22.45	24.0	0.0	



n38 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			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	19.57	19.69	19.57	20.9	0.0	
40	1/2 BPSK	1	53	19.62	19.61	19.52			
40	1/2 BPSK	1	104	19.65	19.59	19.64			
40	1/2 BPSK	50	0	19.61	19.67	19.58	20.9	0.0	
40	1/2 BPSK	50	28	19.63	19.63	19.63	20.9	0.0	
40	1/2 BPSK	50	56	19.68	19.72	19.51	20.9	0.0	
40	1/2 BPSK	100	0	19.61	19.63	19.64			
40	QPSK	1	1	19.71	19.73	19.64			
40	QPSK	1	53	19.55	19.65	19.66	20.9	0.0	
40	QPSK	1	104	19.61	19.70	19.58			
40	QPSK	50	0	19.67	19.60	19.55	20.9	0.0	
40	QPSK	50	28	19.65	19.71	19.67	20.9	0.0	
40	QPSK	50	56	19.60	19.67	19.55	20.9	0.0	
40	QPSK	100	0	19.66	19.69	19.59			
40	16QAM	1	1	19.67	19.61	19.53	20.9	0.0	
40	64QAM	1	1	19.62	19.61	19.53	20.9	0.0	
40	256QAM	1	1	18.25	18.08	18.24	19.5	1.4	
	Channel			517002	518000	520998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2585.01	2595	2604.98			
30	QPSK	1	1	19.54	19.59	19.52	20.9	0.0	
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2582.52	2595	2607.48			
25	QPSK	1	1	19.50	19.54	19.50	20.9	0.0	
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2580	2595	2610			
20	QPSK	1	1	19.50	19.49	19.54	20.9	0.0	
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2577.51	2595	2612.49			
15	QPSK	1	1	19.50	19.60	19.48	20.9	0.0	
	Channel			515004	519000	522998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2575.02	2595	2614.98			
10	QPSK	1	1	19.53	19.52	19.53	20.9	0.0	

n41 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			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	19.73	19.75	19.69	20.9	0.0	
100	1/2 BPSK	1	137	19.70	19.77	19.75			
100	1/2 BPSK	1	271	19.70	19.75	19.68			
100	1/2 BPSK	135	0	19.71	19.70	19.74	20.9	0.0	
100	1/2 BPSK	135	69	19.70	19.68	19.73	20.9	0.0	
100	1/2 BPSK	135	138	19.68	19.72	19.73	20.9	0.0	
100	1/2 BPSK	270	0	19.75	19.73	19.70			
100	QPSK	1	1	19.78	19.79	19.70			
100	QPSK	1	137	19.71	19.70	19.75	20.9	0.0	
100	QPSK	1	271	19.67	19.75	19.69			
100	QPSK	135	0	19.71	19.73	19.69	20.9	0.0	
100	QPSK	135	69	19.67	19.78	19.64	20.9	0.0	
100	QPSK	135	138	19.74	19.68	19.68	20.9	0.0	
100	QPSK	270	0	19.69	19.77	19.62			
100	16QAM	1	1	19.72	19.73	19.69	20.9	0.0	
100	64QAM	1	1	19.73	19.70	19.62	20.9	0.0	
100	256QAM	1	1	18.21	18.22	18.25	19.5	1.4	
	Channel			508200	518598	528998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2541	2592.99	2644.98			
90	QPSK	1	1	19.58	19.68	19.54	20.9	0.0	
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99			
80	QPSK	1	1	19.66	19.66	19.60	20.9	0.0	
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2531.01	2592.99	2656			
70	QPSK	1	1	19.63	19.65	19.53	20.9	0.0	
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2526	2592.99	2659.98			
60	QPSK	1	1	19.69	19.68	19.55	20.9	0.0	
	Channel			504204	518598	532998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99			
50	QPSK	1	1	19.71	19.68	19.61	20.9	0.0	
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2516.01	2592.99	2670			
40	QPSK	1	1	19.70	19.63	19.56	20.9	0.0	
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2511	2592.99	2674.98			
30	QPSK	1	1	19.65	19.57	19.58	20.9	0.0	
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99			
25	QPSK	1	1	19.63	19.72	19.61	20.9	0.0	
	Channel			501204	518598	536998	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99			
20	QPSK	1	1	19.71	19.60	19.54	20.9	0.0	
	Channel			500700	518598	537996	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48			
15	QPSK	1	1	19.57	19.70	19.59	20.9	0.0	
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR	
	Frequency (MHz)			2501.01	2592.99	2686			
10	QPSK	1	1	19.71	19.71	19.57	20.9	0.0	



n2 Ant 1 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				374000	376000	378000					
Frequency (MHz)				1870	1880	1890					
40	1/2 BPSK	1	1	18.18	18.24	18.17					
40	1/2 BPSK	1	108	18.29	18.19	18.19	19.1	0.0			
40	1/2 BPSK	1	214	18.13	18.23	18.23					
40	1/2 BPSK	108	0	18.23	18.18	18.19	19.1	0.0			
40	1/2 BPSK	108	54	18.20	18.18	18.17	19.1	0.0			
40	1/2 BPSK	108	108	18.29	18.21	18.26	19.1	0.0			
40	1/2 BPSK	216	0	18.25	18.25	18.21					
40	QPSK	1	1	18.26	18.30	18.23					
40	QPSK	1	108	18.29	18.20	18.15	19.1	0.0			
40	QPSK	1	214	18.20	18.20	18.25					
40	QPSK	108	0	18.17	18.16	18.17	19.1	0.0			
40	QPSK	108	54	18.24	18.26	18.19	19.1	0.0			
40	QPSK	108	108	18.19	18.16	18.15	19.1	0.0			
40	QPSK	216	0	18.19	18.27	18.19					
40	16QAM	1	1	18.19	18.19	18.21	19.1	0.0			
40	64QAM	1	1	18.21	18.15	18.26	19.1	0.0			
40	256QAM	1	1	18.20	18.21	18.19	19.1	0.0			
Channel				373500	376000	376500	Tune-up limit (dB)	MPR			
Frequency (MHz)				1867.5	1880	1892.5					
35	QPSK	1	1	18.22	18.16	18.22	19.1	0.0			
Channel				373000	376000	379000	Tune-up limit (dB)	MPR			
Frequency (MHz)				1865	1880	1895					
30	QPSK	1	1	18.18	18.17	18.18	19.1	0.0			
Channel				372500	376000	379500	Tune-up limit (dB)	MPR			
Frequency (MHz)				1862.5	1880	1897.5					
25	QPSK	1	1	18.23	18.23	18.21	19.1	0.0			
Channel				372000	376000	380000	Tune-up limit (dB)	MPR			
Frequency (MHz)				1860	1880	1900					
20	QPSK	1	1	18.18	18.22	18.16	19.1	0.0			
Channel				371500	376000	381000	Tune-up limit (dB)	MPR			
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	1	18.28	18.27	18.19	19.1	0.0			
Channel				371000	376000	381000	Tune-up limit (dB)	MPR			
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	1	18.15	18.29	18.12	19.1	0.0			
Channel				370500	376000	381500	Tune-up limit (dB)	MPR			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	1	18.24	18.19	18.20	19.1	0.0			

n5 Ant 1 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				166800	167300	167800					
Frequency (MHz)				834	836.5	839					
20	1/2 BPSK	1	1	22.24	22.32	22.30					
20	1/2 BPSK	1	53	22.47	22.34	22.28	24.0	0.0			
20	1/2 BPSK	1	104	22.44	22.37	22.36					
20	1/2 BPSK	50	0	21.88	21.88	21.99	23.5	0.5			
20	1/2 BPSK	50	28	22.26	22.29	22.39	24.0	0.0			
20	1/2 BPSK	50	56	21.83	21.90	21.94	23.5	0.5			
20	1/2 BPSK	100	0	22.02	21.99	21.98					
20	QPSK	1	1	22.44	22.48	22.43					
20	QPSK	1	53	22.46	22.40	22.31	24.0	0.0			
20	QPSK	1	104	22.34	22.27	22.29					
20	QPSK	50	0	21.30	21.44	21.34	23.0	1.0			
20	QPSK	50	28	22.39	22.47	22.34	24.0	0.0			
20	QPSK	50	56	21.45	21.34	21.41	23.0	1.0			
20	QPSK	100	0	21.44	21.53	21.52	23.0	1.0			
20	16QAM	1	1	21.45	21.37	21.31	23.0	1.0			
20	64QAM	1	1	20.15	20.13	20.17	21.5	2.5			
20	256QAM	1	1	18.12	18.12	18.23	19.5	4.5			
Channel				166300	167300	168300	Tune-up limit (dB)	MPR			
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	22.29	22.45	22.36	24.0	0.0			
Channel				165800	167300	168800	Tune-up limit (dB)	MPR			
Frequency (MHz)				829	836.5	844					
10	QPSK	1	1	22.32	22.46	22.27	24.0	0.0			
Channel				165300	167300	169300	Tune-up limit (dB)	MPR			
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	22.39	22.44	22.25	24.0	0.0			

n7 Ant 1 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				504000	507000	510000					
Frequency (MHz)				2520	2535	2550					
40	1/2 BPSK	1	1	16.46	16.69	16.63					
40	1/2 BPSK	1	108	16.60	16.66	16.58	18.1	0.0			
40	1/2 BPSK	1	214	16.62	16.55	16.52					
40	1/2 BPSK	108	0	16.52	16.67	16.55	18.1	0.0			
40	1/2 BPSK	108	54	16.62	16.62	16.65	18.1	0.0			
40	1/2 BPSK	108	108	16.60	16.56	16.62	18.1	0.0			
40	1/2 BPSK	216	0	16.55	16.63	16.53					
40	QPSK	1	1	16.67	16.71	16.63					
40	QPSK	1	108	16.61	16.58	16.54	18.1	0.0			
40	QPSK	1	214	16.50	16.55	16.61					
40	QPSK	108	0	16.49	16.57	16.63	18.1	0.0			
40	QPSK	108	54	16.67	16.69	16.65	18.1	0.0			
40	QPSK	108	108	16.55	16.57	16.65	18.1	0.0			
40	QPSK	216	0	16.50	16.65	16.54					
40	16QAM	1	1	16.48	16.58	16.64	18.1	0.0			
40	64QAM	1	1	16.58	16.63	16.51	18.1	0.0			
40	256QAM	1	1	16.54	16.66	16.53	18.1	0.0			
Channel				503000	507000	511000	Tune-up limit (dB)	MPR			
Frequency (MHz)				2515	2535	2555					
30	QPSK	1	1	16.52	16.53	16.46	18.1	0.0			
Channel				502500	507000	511500	Tune-up limit (dB)	MPR			
Frequency (MHz)				2512.5	2535	2557.5					
25	QPSK	1	1	16.43	16.62	16.59	18.1	0.0			
Channel				502000	507000	512000	Tune-up limit (dB)	MPR			
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	1	16.49	16.62	16.57	18.1	0.0			
Channel				501500	507000	512500	Tune-up limit (dB)	MPR			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	1	16.55	16.59	16.57	18.1	0.0			
Channel				501000	507000	513000	Tune-up limit (dB)	MPR			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	1	16.54	16.60	16.57	18.1	0.0			
Channel				500500	507000	513500	Tune-up limit (dB)	MPR			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	1	16.55	16.63	16.52	18.1	0.0			



n26 Ant 1 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				164800	168300	167800				
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.44	22.39	22.46				
20	1/2 BPSK	1	53	22.40	22.45	22.45	24.0	0.0		
20	1/2 BPSK	1	104	22.37	22.45	22.37				
20	1/2 BPSK	50	0	21.89	21.91	22.07	23.5	0.5		
20	1/2 BPSK	50	28	22.43	22.33	22.46	24.0	0.0		
20	1/2 BPSK	50	56	21.88	21.97	22.06				
20	1/2 BPSK	100	0	22.01	22.05	21.94	23.5	0.5		
20	QPSK	1	1	22.47	22.50	22.44				
20	QPSK	1	53	22.43	22.46	22.38	24.0	0.0		
20	QPSK	1	104	22.35	22.24	22.35				
20	QPSK	50	0	21.40	21.48	21.32	23.0	1.0		
20	QPSK	50	28	22.41	22.49	22.47	24.0	0.0		
20	QPSK	50	56	21.40	21.38	21.58				
20	QPSK	100	0	21.58	21.59	21.56	23.0	1.0		
20	16QAM	1	1	21.92	21.50	21.47	23.0	1.0		
20	64QAM	1	1	20.27	20.15	20.09	21.5	2.5		
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164300	168300	168300	Tune-up limit (dB)	MPR		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0		
Channel				163800	168800	168800	Tune-up limit (dB)	MPR		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	1	22.46	22.44	22.33	24.0	0.0		
Channel				163300	168300	169300	Tune-up limit (dB)	MPR		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		

n66 Ant 1 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				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	20.59	20.72	20.61				
40	1/2 BPSK	1	108	20.54	20.68	20.70	22.0	0.0		
40	1/2 BPSK	1	214	20.63	20.63	20.62				
40	1/2 BPSK	108	0	20.66	20.69	20.68	22.0	0.0		
40	1/2 BPSK	108	54	20.55	20.71	20.57	22.0	0.0		
40	1/2 BPSK	108	108	20.67	20.60	20.63				
40	1/2 BPSK	216	0	20.57	20.71	20.65	22.0	0.0		
40	QPSK	1	1	20.67	20.73	20.70				
40	QPSK	1	108	20.66	20.65	20.71	22.0	0.0		
40	QPSK	1	214	20.58	20.61	20.69				
40	QPSK	108	0	20.64	20.65	20.61	22.0	0.0		
40	QPSK	108	54	20.61	20.71	20.66	22.0	0.0		
40	QPSK	108	108	20.61	20.64	20.61				
40	QPSK	216	0	20.58	20.68	20.63	22.0	0.0		
40	16QAM	1	1	20.53	20.63	20.70	22.0	0.0		
40	64QAM	1	1	20.67	20.66	20.70	21.5	0.5		
40	256QAM	1	1	18.36	18.27	18.34	19.5	2.5		
Channel				345500	349000	352500	Tune-up limit (dB)	MPR		
Frequency (MHz)				1727.5	1745	1762.5				
35	QPSK	1	1	20.49	20.60	20.59	22.0	0.0		
Channel				345000	349000	353000	Tune-up limit (dB)	MPR		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	20.49	20.65	20.61	22.0	0.0		
Channel				344500	349000	353500	Tune-up limit (dB)	MPR		
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	20.57	20.70	20.52	22.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dB)	MPR		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	20.52	20.66	20.61	22.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dB)	MPR		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	20.54	20.55	20.55	22.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dB)	MPR		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	20.59	20.62	20.56	22.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dB)	MPR		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	20.52	20.58	20.55	22.0	0.0		

n71 Ant 1 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				134600	138100	137600				
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.45	22.44	22.46				
20	1/2 BPSK	1	53	22.42	22.53	22.46	24.0	0.0		
20	1/2 BPSK	1	104	22.43	22.48	22.37				
20	1/2 BPSK	50	0	21.77	21.95	22.05	23.5	0.5		
20	1/2 BPSK	50	28	22.37	22.45	22.47	24.0	0.0		
20	1/2 BPSK	50	56	21.79	21.83	21.87				
20	1/2 BPSK	100	0	21.38	21.93	21.85	23.5	0.5		
20	QPSK	1	1	22.46	22.54	22.49				
20	QPSK	1	53	22.42	22.35	22.39	24.0	0.0		
20	QPSK	1	104	22.29	22.32	22.38				
20	QPSK	50	0	21.38	21.68	21.26	23.0	1.0		
20	QPSK	50	28	22.43	22.49	22.44	24.0	0.0		
20	QPSK	50	56	21.39	21.41	21.53				
20	QPSK	100	0	21.45	21.59	21.42	23.0	1.0		
20	16QAM	1	1	21.48	21.41	21.41	23.0	1.0		
20	64QAM	1	1	20.21	20.08	20.02	21.5	2.5		
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	138100	138100	Tune-up limit (dB)	MPR		
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0		
Channel				133600	138100	138600	Tune-up limit (dB)	MPR		
Frequency (MHz)				668	680.5	692				
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	138100	139100	Tune-up limit (dB)	MPR		
Frequency (MHz)				665.5	680.5	695.5				
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		



n38 Ant 1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	16.30	16.32	16.30			
40	1/2 BPSK	1	53	16.27	16.31	16.25	17.6	0.0	
40	1/2 BPSK	1	104	16.27	16.20	16.19			
40	1/2 BPSK	50	0	16.27	16.33	16.28	17.6	0.0	
40	1/2 BPSK	50	28	16.28	16.32	16.28	17.6	0.0	
40	1/2 BPSK	50	56	16.20	16.23	16.15	17.6	0.0	
40	1/2 BPSK	100	0	16.25	16.30	16.26			
40	QPSK	1	1	16.32	16.35	16.28			
40	QPSK	1	53	16.32	16.23	16.22	17.6	0.0	
40	QPSK	1	104	16.33	16.31	16.19			
40	QPSK	50	0	16.21	16.33	16.22	17.6	0.0	
40	QPSK	50	28	16.33	16.34	16.30	17.6	0.0	
40	QPSK	50	56	16.23	16.31	16.19	17.6	0.0	
40	QPSK	100	0	16.27	16.33	16.25			
40	16QAM	1	1	16.32	16.26	16.28	17.6	0.0	
40	64QAM	1	1	16.27	16.24	16.23	17.6	0.0	
40	256QAM	1	1	16.22	16.31	16.22	17.6	0.0	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.99	limit	(dB)	
30	QPSK	1	1	16.20	16.18	16.14	17.6	0.0	
	Channel			516504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	16.22	16.24	16.15	17.6	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit	(dB)	
20	QPSK	1	1	16.10	16.16	16.06	17.6	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)	
15	QPSK	1	1	16.23	16.25	16.18	17.6	0.0	
	Channel			515004	519000	522998	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	16.19	16.18	16.19	17.6	0.0	

n41 Ant 1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	16.32	16.29	16.29			
100	1/2 BPSK	1	137	16.37	16.28	16.33	17.6	0.0	
100	1/2 BPSK	1	271	16.37	16.33	16.31			
100	1/2 BPSK	135	0	16.38	16.38	16.31	17.6	0.0	
100	1/2 BPSK	135	69	16.31	16.33	16.26	17.6	0.0	
100	1/2 BPSK	135	138	16.30	16.33	16.30	17.6	0.0	
100	1/2 BPSK	270	0	16.32	16.35	16.33			
100	QPSK	1	1	16.36	16.39	16.33			
100	QPSK	1	137	16.32	16.37	16.31	17.6	0.0	
100	QPSK	1	271	16.35	16.38	16.30			
100	QPSK	135	0	16.32	16.31	16.36	17.6	0.0	
100	QPSK	135	69	16.31	16.37	16.32	17.6	0.0	
100	QPSK	135	138	16.31	16.33	16.26	17.6	0.0	
100	QPSK	270	0	16.28	16.34	16.31			
100	16QAM	1	1	16.28	16.36	16.25	17.6	0.0	
100	64QAM	1	1	16.34	16.36	16.31	17.6	0.0	
100	256QAM	1	1	16.34	16.31	16.28	17.6	0.0	
	Channel			506200	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	16.20	16.30	16.24	17.6	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2536.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	16.24	16.30	16.18	17.6	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit	(dB)	
70	QPSK	1	1	16.27	16.29	16.24	17.6	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	16.25	16.32	16.16	17.6	0.0	
	Channel			504204	518598	532998	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	16.27	16.20	16.20	17.6	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2599.98	2670	limit	(dB)	
40	QPSK	1	1	16.24	16.33	16.24	17.6	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2598.98	2674.98	limit	(dB)	
30	QPSK	1	1	16.33	16.26	16.28	17.6	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
25	QPSK	1	1	16.22	16.34	16.19	17.6	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	16.33	16.23	16.25	17.6	0.0	
	Channel			500200	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit	(dB)	
15	QPSK	1	1	16.29	16.22	16.24	17.6	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	16.33	16.26	16.20	17.6	0.0	



n2 Ant 2 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				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	1/2 BPSK	1	1	19.40	19.48	19.38				
40	1/2 BPSK	1	108	19.40	19.49	19.40	20.3	0.0		
40	1/2 BPSK	1	214	19.48	19.48	19.41				
40	1/2 BPSK	108	0	19.39	19.39	19.36	20.3	0.0		
40	1/2 BPSK	108	54	19.50	19.46	19.37	20.3	0.0		
40	1/2 BPSK	108	108	19.45	19.48	19.39				
40	1/2 BPSK	216	0	19.40	19.48	19.35	20.3	0.0		
40	QPSK	1	1	19.51	19.54	19.47				
40	QPSK	1	108	19.48	19.41	19.41	20.3	0.0		
40	QPSK	1	214	19.35	19.44	19.44				
40	QPSK	108	0	19.37	19.49	19.45	20.3	0.0		
40	QPSK	108	54	19.49	19.52	19.48	20.3	0.0		
40	QPSK	108	108	19.40	19.39	19.35				
40	QPSK	216	0	19.48	19.49	19.47	20.3	0.0		
40	16QAM	1	1	19.44	19.50	19.34	20.3	0.0		
40	64QAM	1	1	19.49	19.42	19.41	20.3	0.0		
40	256QAM	1	1	18.12	18.16	18.11	19.5	0.8		
Channel				373500	376000	378500	Tune-up	MPR		
Frequency (MHz)				1867.5	1880	1892.5	limit	(dB)		
35	QPSK	1	1	19.39	19.33	19.40	20.3	0.0		
Channel				373000	376000	379000	Tune-up	MPR		
Frequency (MHz)				1865	1880	1895	limit	(dB)		
30	QPSK	1	1	19.42	19.46	19.30	20.3	0.0		
Channel				372500	376000	379500	Tune-up	MPR		
Frequency (MHz)				1862.5	1880	1897.5	limit	(dB)		
25	QPSK	1	1	19.21	19.45	19.29	20.3	0.0		
Channel				372000	376000	380000	Tune-up	MPR		
Frequency (MHz)				1860	1880	1900	limit	(dB)		
20	QPSK	1	1	19.40	19.44	19.35	20.3	0.0		
Channel				371500	376000	380500	Tune-up	MPR		
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)		
15	QPSK	1	1	19.43	19.45	19.29	20.3	0.0		
Channel				371000	376000	381000	Tune-up	MPR		
Frequency (MHz)				1855	1880	1905	limit	(dB)		
10	QPSK	1	1	19.32	19.45	19.36	20.3	0.0		
Channel				370500	376000	381500	Tune-up	MPR		
Frequency (MHz)				1852.5	1880	1907.5	limit	(dB)		
5	QPSK	1	1	19.46	19.47	19.39	20.3	0.0		

n7 Ant 2 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				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	1/2 BPSK	1	1	17.96	18.00	17.97				
40	1/2 BPSK	1	108	17.99	17.88	17.83	18.9	0.0		
40	1/2 BPSK	1	214	17.98	17.96	17.84				
40	1/2 BPSK	108	0	17.95	18.02	17.94	18.9	0.0		
40	1/2 BPSK	108	54	17.90	17.92	17.97	18.9	0.0		
40	1/2 BPSK	108	108	17.95	17.89	17.95				
40	1/2 BPSK	216	0	17.92	18.02	17.94	18.9	0.0		
40	QPSK	1	1	18.00	18.03	17.99				
40	QPSK	1	108	17.90	17.97	17.92	18.9	0.0		
40	QPSK	1	214	18.01	17.93	17.84				
40	QPSK	108	0	17.99	17.99	17.88	18.9	0.0		
40	QPSK	108	54	18.00	18.02	17.95	18.9	0.0		
40	QPSK	108	108	17.89	17.90	17.98				
40	QPSK	216	0	17.95	17.99	17.89	18.9	0.0		
40	16QAM	1	1	17.86	17.90	17.86	18.9	0.0		
40	64QAM	1	1	17.90	17.92	17.98	18.9	0.0		
40	256QAM	1	1	17.93	17.91	17.94	18.9	0.0		
Channel				503500	507000	510500	Tune-up	MPR		
Frequency (MHz)				2515	2535	2555	limit	(dB)		
30	QPSK	1	1	17.89	17.88	17.87	18.9	0.0		
Channel				502500	507000	511500	Tune-up	MPR		
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)		
25	QPSK	1	1	17.92	17.94	17.87	18.9	0.0		
Channel				502000	507000	512000	Tune-up	MPR		
Frequency (MHz)				2510	2535	2560	limit	(dB)		
20	QPSK	1	1	17.87	17.96	17.84	18.9	0.0		
Channel				501500	507000	512500	Tune-up	MPR		
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)		
15	QPSK	1	1	17.97	17.93	17.90	18.9	0.0		
Channel				501000	507000	513000	Tune-up	MPR		
Frequency (MHz)				2505	2535	2565	limit	(dB)		
10	QPSK	1	1	17.96	17.88	17.92	18.9	0.0		
Channel				500500	507000	513500	Tune-up	MPR		
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)		
5	QPSK	1	1	17.92	17.96	17.88	18.9	0.0		

n66 Ant 2 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				348000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	18.48	18.59	18.56				
40	1/2 BPSK	1	108	18.60	18.56	18.58	19.4	0.0		
40	1/2 BPSK	1	214	18.45	18.57	18.53				
40	1/2 BPSK	108	0	18.53	18.50	18.56	19.4	0.0		
40	1/2 BPSK	108	54	18.58	18.48	18.51	19.4	0.0		
40	1/2 BPSK	108	108	18.47	18.57	18.55	19.4	0.0		
40	1/2 BPSK	216	0	18.49	18.49	18.55				
40	QPSK	1	1	18.58	18.05	18.56				
40	QPSK	1	108	18.54	18.53	18.53	19.4	0.0		
40	QPSK	1	214	18.58	18.48	18.47				
40	QPSK	108	0	18.59	18.55	18.53	19.4	0.0		
40	QPSK	108	54	18.53	18.63	18.48	19.4	0.0		
40	QPSK	108	108	18.51	18.56	18.56	19.4	0.0		
40	QPSK	216	0	18.56	18.51	18.54				
40	16QAM	1	1	18.48	18.55	18.50	19.4	0.0		
40	64QAM	1	1	18.50	18.50	18.50	19.4	0.0		
40	256QAM	1	1	18.12	18.21	18.13	19.4	0.0		
Channel				345500	349000	352500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
35	QPSK	1	1	18.50	18.51	18.56	19.4	0.0		
Channel				345000	349000	353000	Tune-up	MPR		
Frequency (MHz)				1725	1745	1765	limit	(dB)		
30	QPSK	1	1	18.46	18.60	18.49	19.4	0.0		
Channel				344500	349000	353500	Tune-up	MPR		
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)		
25	QPSK	1	1	18.54	18.58	18.44	19.4	0.0		
Channel				344000	349000	354000	Tune-up	MPR		
Frequency (MHz)				1720	1745	1770	limit	(dB)		
20	QPSK	1	1	18.46	18.53	18.48	19.4	0.0		
Channel				343500	349000	354500	Tune-up	MPR		
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)		
15	QPSK	1	1	18.50	18.48	18.52	19.4	0.0		
Channel				343000	349000	355000	Tune-up	MPR		
Frequency (MHz)				1715	1745	1775	limit	(dB)		
10	QPSK	1	1	18.50	18.58	18.50	19.4	0.0		
Channel				342500	349000	355500	Tune-up	MPR		
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)		
5	QPSK	1	1	18.47	18.55	18.43	19.4	0.0		



n38 Ant 2 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			518004	519000	519996			
	Frequency (MHz)			2590.02	2595	2599.98			
40	1/2 BPSK	1	1	18.58	18.48	18.49			
40	1/2 BPSK	1	53	18.53	18.48	18.52	19.7	0.0	
40	1/2 BPSK	1	104	18.51	18.54	18.44			
40	1/2 BPSK	50	0	18.49	18.53	18.50	19.7	0.0	
40	1/2 BPSK	50	28	18.55	18.57	18.57	19.7	0.0	
40	1/2 BPSK	50	56	18.52	18.54	18.44	19.7	0.0	
40	1/2 BPSK	100	0	18.55	18.52	18.45			
40	QPSK	1	1	18.51	18.59	18.52			
40	QPSK	1	53	18.52	18.52	18.53	19.7	0.0	
40	QPSK	1	104	18.51	18.53	18.46			
40	QPSK	50	0	18.52	18.52	18.43	19.7	0.0	
40	QPSK	50	28	18.52	18.57	18.51	19.7	0.0	
40	QPSK	50	56	18.50	18.52	18.55			
40	QPSK	100	0	18.52	18.56	18.52			
40	16QAM	1	1	18.50	18.54	18.52	19.7	0.0	
40	64QAM	1	1	18.51	18.52	18.56	19.7	0.0	
40	256QAM	1	1	18.02	18.07	18.05	19.5	0.2	
	Channel			517002	518000	520998	Tune-up	MPR	
	Frequency (MHz)			2585.01	2595	2604.99	limit		
30	QPSK	1	1	18.46	18.48	18.43	19.7	0.0	
	Channel			516504	519000	521496	Tune-up	MPR	
	Frequency (MHz)			2582.52	2595	2607.48	limit		
25	QPSK	1	1	18.48	18.38	18.44	19.7	0.0	
	Channel			516000	519000	522000	Tune-up	MPR	
	Frequency (MHz)			2580	2595	2610	limit		
20	QPSK	1	1	18.41	18.41	18.39	19.7	0.0	
	Channel			515502	519000	522498	Tune-up	MPR	
	Frequency (MHz)			2577.51	2595	2612.49	limit		
15	QPSK	1	1	18.45	18.46	18.45	19.7	0.0	
	Channel			515004	519000	522996	Tune-up	MPR	
	Frequency (MHz)			2575.02	2595	2614.98	limit		
10	QPSK	1	1	18.47	18.45	18.37	19.7	0.0	

n41 Ant 2 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			509202	518598	528000			
	Frequency (MHz)			2546.01	2592.99	2640			
100	1/2 BPSK	1	1	18.53	18.54	18.47			
100	1/2 BPSK	1	137	18.60	18.54	18.57	19.7	0.0	
100	1/2 BPSK	1	271	18.49	18.49	18.52			
100	1/2 BPSK	135	0	18.47	18.57	18.46	19.7	0.0	
100	1/2 BPSK	135	69	18.49	18.57	18.45	19.7	0.0	
100	1/2 BPSK	135	138	18.56	18.50	18.51	19.7	0.0	
100	1/2 BPSK	270	0	18.55	18.49	18.51			
100	QPSK	1	1	18.55	18.61	18.58			
100	QPSK	1	137	18.52	18.52	18.46	19.7	0.0	
100	QPSK	1	271	18.55	18.49	18.54			
100	QPSK	135	0	18.52	18.48	18.54	19.7	0.0	
100	QPSK	135	69	18.50	18.60	18.56	19.7	0.0	
100	QPSK	135	138	18.50	18.50	18.43	19.7	0.0	
100	QPSK	270	0	18.57	18.58	18.52			
100	16QAM	1	1	18.55	18.60	18.45	19.7	0.0	
100	64QAM	1	1	18.49	18.54	18.53	19.7	0.0	
100	256QAM	1	1	18.05	18.11	18.10	19.5	0.2	
	Channel			508200	518598	528996	Tune-up	MPR	
	Frequency (MHz)			2541	2592.99	2644.98	limit		
90	QPSK	1	1	18.43	18.50	18.49	19.7	0.0	
	Channel			507204	518598	529998	Tune-up	MPR	
	Frequency (MHz)			2538.02	2592.99	2649.99	limit		
80	QPSK	1	1	18.39	18.38	18.34	19.7	0.0	
	Channel			506202	518598	531000	Tune-up	MPR	
	Frequency (MHz)			2531.01	2592.99	2656	limit		
70	QPSK	1	1	18.45	18.52	18.45	19.7	0.0	
	Channel			505200	518598	531996	Tune-up	MPR	
	Frequency (MHz)			2526	2592.99	2659.98	limit		
60	QPSK	1	1	18.40	18.38	18.35	19.7	0.0	
	Channel			504204	518598	532996	Tune-up	MPR	
	Frequency (MHz)			2521.02	2592.99	2664.99	limit		
50	QPSK	1	1	18.46	18.44	18.34	19.7	0.0	
	Channel			503202	518598	534000	Tune-up	MPR	
	Frequency (MHz)			2516.01	2592.99	2670	limit		
40	QPSK	1	1	18.40	18.48	18.35	19.7	0.0	
	Channel			502200	518598	534996	Tune-up	MPR	
	Frequency (MHz)			2511	2592.99	2674.98	limit		
30	QPSK	1	1	18.35	18.38	18.35	19.7	0.0	
	Channel			501204	518598	535998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
25	QPSK	1	1	18.47	18.46	18.41	19.7	0.0	
	Channel			501204	518598	536998	Tune-up	MPR	
	Frequency (MHz)			2506.02	2592.99	2679.99	limit		
20	QPSK	1	1	18.39	18.52	18.40	19.7	0.0	
	Channel			500700	518598	537996	Tune-up	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48	limit		
15	QPSK	1	1	18.37	18.40	18.43	19.7	0.0	
	Channel			500202	518598	537000	Tune-up	MPR	
	Frequency (MHz)			2501.01	2592.99	2685	limit		
10	QPSK	1	1	18.40	18.39	18.43	19.7	0.0	



n38 Ant 3 DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
	Channel			518004	519000	519996				
	Frequency (MHz)			2590.02	2595	2599.98				
40	1/2 BPSK	1	1	17.48	17.46	17.50				
40	1/2 BPSK	1	53	17.53	17.47	17.42	18.8		0.0	
40	1/2 BPSK	1	104	17.46	17.49	17.40				
40	1/2 BPSK	50	0	17.46	17.41	17.29	18.8		0.0	
40	1/2 BPSK	50	28	17.56	17.66	17.54	18.8		0.0	
40	1/2 BPSK	50	56	17.48	17.50	17.45				
40	1/2 BPSK	100	0	17.55	17.54	17.37	18.8		0.0	
40	QPSK	1	1	17.53	17.67	17.66				
40	QPSK	1	53	17.42	17.61	17.55	18.8		0.0	
40	QPSK	1	104	17.50	17.57	17.45				
40	QPSK	50	0	17.56	17.60	17.47	18.8		0.0	
40	QPSK	50	28	17.62	17.65	17.61	18.8		0.0	
40	QPSK	50	56	17.41	17.49	17.41				
40	QPSK	100	0	17.59	17.62	17.56	18.8		0.0	
40	16QAM	1	1	17.49	17.56	17.43	18.8		0.0	
40	64QAM	1	1	17.39	17.44	17.55	18.8		0.0	
40	256QAM	1	1	17.35	17.48	17.40	18.8		0.0	
	Channel			517002	518000	520998				
	Frequency (MHz)			2585.01	2595	2604.98				
30	QPSK	1	1	17.46	17.42	17.45	18.8		0.0	
	Channel			518504	519000	521496				
	Frequency (MHz)			2592.52	2595	2607.48				
25	QPSK	1	1	17.49	17.54	17.51	18.8		0.0	
	Channel			516000	519000	522000				
	Frequency (MHz)			2580	2595	2610	limit			
20	QPSK	1	1	17.51	17.43	17.43	18.8		0.0	
	Channel			515502	519000	522498				
	Frequency (MHz)			2577.51	2595	2612.49	limit			
15	QPSK	1	1	17.41	17.44	17.41	18.8		0.0	
	Channel			515004	519000	522996				
	Frequency (MHz)			2575.02	2595	2614.98	limit			
10	QPSK	1	1	17.44	17.55	17.50	18.8		0.0	

n41 Ant 3 DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
	Channel			509202	518598	528000				
	Frequency (MHz)			2546.01	2592.99	2640				
100	1/2 BPSK	1	1	17.57	17.56	17.39				
100	1/2 BPSK	1	137	17.43	17.52	17.47	18.8		0.0	
100	1/2 BPSK	1	271	17.50	17.52	17.49				
100	1/2 BPSK	135	0	17.54	17.40	17.34	18.8		0.0	
100	1/2 BPSK	135	69	17.54	17.52	17.43	18.8		0.0	
100	1/2 BPSK	135	138	17.62	17.55	17.37				
100	1/2 BPSK	270	0	17.45	17.53	17.42	18.8		0.0	
100	QPSK	1	1	17.61	17.69	17.67				
100	QPSK	1	137	17.44	17.55	17.53	18.8		0.0	
100	QPSK	1	271	17.51	17.56	17.31				
100	QPSK	135	0	17.49	17.64	17.52	18.8		0.0	
100	QPSK	135	69	17.57	17.65	17.55	18.8		0.0	
100	QPSK	135	138	17.49	17.53	17.39				
100	QPSK	270	0	17.53	17.61	17.57	18.8		0.0	
100	16QAM	1	1	17.45	17.55	17.46	18.8		0.0	
100	64QAM	1	1	17.44	17.49	17.44	18.8		0.0	
100	256QAM	1	1	17.47	17.41	17.28	18.8		0.0	
	Channel			506200	518598	526996				
	Frequency (MHz)			2541	2592.99	2644.98				
90	QPSK	1	1	17.56	17.51	17.47	18.8		0.0	
	Channel			507204	518598	529998				
	Frequency (MHz)			2538.02	2592.99	2649.99	limit			
80	QPSK	1	1	17.53	17.59	17.51	18.8		0.0	
	Channel			506202	518598	531000				
	Frequency (MHz)			2531.01	2592.99	2656	limit			
70	QPSK	1	1	17.42	17.53	17.45	18.8		0.0	
	Channel			505200	518598	531996				
	Frequency (MHz)			2526	2592.99	2659.98	limit			
60	QPSK	1	1	17.55	17.45	17.45	18.8		0.0	
	Channel			504204	518598	532996				
	Frequency (MHz)			2521.02	2592.99	2664.99	limit			
50	QPSK	1	1	17.57	17.48	17.48	18.8		0.0	
	Channel			503202	518598	534000				
	Frequency (MHz)			2516.01	2592.99	2670	limit			
40	QPSK	1	1	17.55	17.54	17.46	18.8		0.0	
	Channel			502200	518598	534996				
	Frequency (MHz)			2511	2592.99	2674.98	limit			
30	QPSK	1	1	17.61	17.44	17.40	18.8		0.0	
	Channel			501204	518598	535998				
	Frequency (MHz)			2506.02	2592.99	2679.99	limit			
25	QPSK	1	1	17.60	17.47	17.52	18.8		0.0	
	Channel			501204	518598	536998				
	Frequency (MHz)			2506.02	2592.99	2679.99	limit			
20	QPSK	1	1	17.55	17.52	17.52	18.8		0.0	
	Channel			500700	518598	537996				
	Frequency (MHz)			2503.5	2592.99	2682.48	limit			
15	QPSK	1	1	17.60	17.55	17.41	18.8		0.0	
	Channel			500202	518598	537000				
	Frequency (MHz)			2501.01	2592.99	2685	limit			
10	QPSK	1	1	17.59	17.58	17.43	18.8		0.0	



Par270 n77 Ant 4 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)	
				650000	656000	662000			
				3750	3840	3930			
100	1/2 BPSK	1	1	18.44	16.61	16.42			
100	1/2 BPSK	1	137	18.49	16.81	18.53	17.6	0.0	
100	1/2 BPSK	1	271	16.53	16.57	16.48			
100	1/2 BPSK	135	0	16.51	16.55	16.44	17.6	0.0	
100	1/2 BPSK	135	69	16.40	16.56	16.45	17.6	0.0	
100	1/2 BPSK	135	138	16.53	16.53	16.41	17.6	0.0	
100	1/2 BPSK	270	0	16.48	16.53	16.48			
100	QPSK	1	1	16.55	16.63	16.56			
100	QPSK	1	137	16.51	16.49	16.49	17.6	0.0	
100	QPSK	1	271	16.51	16.52	16.51			
100	QPSK	135	0	16.52	16.57	16.54	17.6	0.0	
100	QPSK	135	69	16.53	16.62	16.51	17.6	0.0	
100	QPSK	135	138	16.52	16.61	16.47	17.6	0.0	
100	QPSK	270	0	16.50	16.58	16.55			
100	16QAM	1	1	16.40	16.50	16.46	17.6	0.0	
100	16QAM	1	1	16.44	16.62	16.43	17.6	0.0	
100	256QAM	1	1	16.41	16.59	16.57	17.6	0.0	
				649668	656000	662334	Tune-up	MPR	
				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	18.41	16.40	16.27	17.6	0.0	
				649334	656000	662668	Tune-up	MPR	
				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	16.34	16.39	16.45	17.6	0.0	
				649000	656000	663000	Tune-up	MPR	
				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	16.42	16.48	16.37	17.6	0.0	
				648668	656000	663334	Tune-up	MPR	
				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	16.31	16.43	16.33	17.6	0.0	
				648334	656000	663668	Tune-up	MPR	
				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	16.37	16.43	16.44	17.6	0.0	
				648000	656000	664000	Tune-up	MPR	
				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	16.37	16.38	16.33	17.6	0.0	
				647500	656000	664500	Tune-up	MPR	
				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	16.34	16.44	16.38	17.6	0.0	
				647000	656000	665000	Tune-up	MPR	
				3712.5	3840	3972.5	limit	(dB)	
25	QPSK	1	1	16.41	16.51	16.38	17.6	0.0	
				647334	656000	664668	Tune-up	MPR	
				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	16.45	16.49	16.39	17.6	0.0	
				647168	656000	664834	Tune-up	MPR	
				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	16.33	16.50	16.32	17.6	0.0	
				647000	656000	665000	Tune-up	MPR	
				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	16.31	16.49	16.47	17.6	0.0	

Par270 n77 HPUE Ant 4 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)	
				650000	656000	662000			
				3750	3840	3930			
100	1/2 BPSK	1	1	19.26	19.51	19.37			
100	1/2 BPSK	1	137	19.44	19.53	19.37	20.6	0.0	
100	1/2 BPSK	1	271	19.51	19.51	19.34			
100	1/2 BPSK	135	0	19.48	19.50	19.30	20.6	0.0	
100	1/2 BPSK	135	69	19.29	19.42	19.28	20.6	0.0	
100	1/2 BPSK	135	138	19.45	19.38	19.23	20.6	0.0	
100	1/2 BPSK	270	0	19.38	19.41	19.45			
100	QPSK	1	1	19.48	19.55	19.52			
100	QPSK	1	137	19.35	19.42	19.36	20.6	0.0	
100	QPSK	1	271	19.37	19.46	19.34			
100	QPSK	135	0	19.34	19.46	19.51	20.6	0.0	
100	QPSK	135	69	19.51	19.53	19.45	20.6	0.0	
100	QPSK	135	138	19.37	19.52	19.38	20.6	0.0	
100	QPSK	270	0	19.46	19.51	19.49			
100	16QAM	1	1	19.35	19.47	19.33	20.6	0.0	
100	16QAM	1	1	19.40	19.52	19.37	20.6	0.0	
100	256QAM	1	1	19.38	19.48	19.46	20.6	0.0	
				649668	656000	662334	Tune-up	MPR	
				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	19.38	19.45	19.38	20.6	0.0	
				649334	656000	662668	Tune-up	MPR	
				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	19.44	19.47	19.48	20.6	0.0	
				649000	656000	663000	Tune-up	MPR	
				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	19.38	19.41	19.37	20.6	0.0	
				648668	656000	663334	Tune-up	MPR	
				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	19.42	19.48	19.51	20.6	0.0	
				648334	656000	663668	Tune-up	MPR	
				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	19.43	19.45	19.39	20.6	0.0	
				648000	656000	664000	Tune-up	MPR	
				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	19.34	19.52	19.50	20.6	0.0	
				647500	656000	664500	Tune-up	MPR	
				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	19.34	19.54	19.41	20.6	0.0	
				647000	656000	665000	Tune-up	MPR	
				3712.5	3840	3972.5	limit	(dB)	
25	QPSK	1	1	19.38	19.52	19.39	20.6	0.0	
				647334	656000	664668	Tune-up	MPR	
				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	19.34	19.41	19.49	20.6	0.0	
				647168	656000	664834	Tune-up	MPR	
				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	19.46	19.44	19.49	20.6	0.0	
				647000	656000	665000	Tune-up	MPR	
				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	19.46	19.54	19.51	20.6	0.0	

Par270 n78 Ant 4 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)	
				650000	650000	650000			
				3750	3750	3750			
100	1/2 BPSK	1	1	16.72	16.72	16.72			
100	1/2 BPSK	1	137	16.72	16.72	16.72	17.6	0.0	
100	1/2 BPSK	1	271	16.64	16.64	16.64			
100	1/2 BPSK	135	0	16.62	16.62	16.62	17.6	0.0	
100	1/2 BPSK	135	69	16.62	16.62	16.62	17.6	0.0	
100	1/2 BPSK	135	138	16.63	16.63	16.63	17.6	0.0	
100	1/2 BPSK	270	0	16.80	16.80	16.80			
100	QPSK	1	1	16.78	16.78	16.78			
100	QPSK	1	137	16.52	16.52	16.52	17.6	0.0	
100	QPSK	1	271	16.63	16.63	16.63			
100	QPSK	135	0	16.72	16.72	16.72	17.6	0.0	
100	QPSK	135	69	16.75	16.75	16.75	17.6	0.0	
100	QPSK	135	138	16.72	16.72	16.72	17.6	0.0	
100	QPSK	270	0	16.68	16.68	16.68			
100	16QAM	1	1	16.59	16.59	16.59	17.6	0.0	
100	16QAM	1	1	16.77	16.77	16.77	17.6	0.0	
100	256QAM	1	1	16.76	16.76	16.76	17.6	0.0	
				649668	650000	650334	Tune-up	MPR	
				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	16.62	16.57	16.61	17.6	0.0	
				649334	650000	650668	Tune-up	MPR	
				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	16.72	16.57	16.61	17.6	0.0	
				649000	650000	651000	Tune-up	MPR	
				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	16.59	16.72</				

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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	1/2 BPSK	1	1		19.73				
100	1/2 BPSK	1	137		19.71		20.6	0.0	
100	1/2 BPSK	1	271		19.67				
100	1/2 BPSK	135	0		19.73		20.6	0.0	
100	1/2 BPSK	135	69		19.59		20.6	0.0	
100	1/2 BPSK	135	138		19.55				
100	1/2 BPSK	270	0		19.67		20.6	0.0	
100	QPSK	1	1		19.81				
100	QPSK	1	137		19.59		20.6	0.0	
100	QPSK	1	271		19.58				
100	QPSK	135	0		19.61		20.6	0.0	
100	QPSK	135	69		19.75		20.6	0.0	
100	QPSK	135	138		19.75				
100	QPSK	270	0		19.71		20.6	0.0	
100	16QAM	1	1		19.52		20.6	0.0	
100	16QAM	1	1		19.74		20.6	0.0	
100	256QAM	1	1		19.75		20.6	0.0	
Channel				649688	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1		19.69	19.59	19.62	20.6	0.0
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1		19.61	19.70	19.59	20.6	0.0
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1		19.71	19.66	19.62	20.6	0.0
Channel				648688	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1		19.58	19.57	19.55	20.6	0.0
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1		19.71	19.62	19.49	20.6	0.0
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1		19.63	19.73	19.48	20.6	0.0
Channel				647688	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1		19.58	19.69	19.61	20.6	0.0
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1		19.67	19.73	19.59	20.6	0.0
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
20	QPSK	1	1		19.62	19.64	19.53	20.6	0.0
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1		19.73	19.62	19.58	20.6	0.0
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1		19.66	19.66	19.61	20.6	0.0



Par270 n77 Ant 5 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		650000	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	17.62	17.61	17.60			
100	1/2 BPSK	1	137	17.68	17.60	17.71	19.4	0.0	
100	1/2 BPSK	1	271	17.69	17.60	17.63			
100	1/2 BPSK	135	0	17.70	17.72	17.72	19.4	0.0	
100	1/2 BPSK	135	69	17.62	17.67	17.60	19.4	0.0	
100	1/2 BPSK	135	138	17.59	17.74	17.70	19.4	0.0	
100	1/2 BPSK	270	0	17.60	17.63	17.62			
100	QPSK	1	1	17.68	17.75	17.74			
100	QPSK	1	137	17.64	17.67	17.71	19.4	0.0	
100	QPSK	1	271	17.69	17.70	17.65			
100	QPSK	135	0	17.62	17.71	17.66	19.4	0.0	
100	QPSK	135	69	17.66	17.73	17.72	19.4	0.0	
100	QPSK	135	138	17.59	17.71	17.66	19.4	0.0	
100	QPSK	270	0	17.67	17.71	17.70			
100	16QAM	1	1	17.62	17.61	17.70	19.4	0.0	
100	16QAM	1	1	17.58	17.73	17.74	19.4	0.0	
100	256QAM	1	1	17.68	17.71	17.65	19.4	0.0	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	17.53	17.64	17.59	19.4	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	17.60	17.69	17.56	19.4	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	17.59	17.59	17.54	19.4	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	17.57	17.67	17.62	19.4	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	17.52	17.57	17.63	19.4	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	17.63	17.68	17.62	19.4	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	17.51	17.58	17.63	19.4	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
25	QPSK	1	1	17.51	17.66	17.55	19.4	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
20	QPSK	1	1	17.63	17.67	17.65	19.4	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	17.53	17.63	17.62	19.4	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	17.54	17.60	17.55	19.4	0.0	

Par270 n77 HPUE Ant 5 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		650000	656000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	20.51	20.52	20.52			
100	1/2 BPSK	1	137	20.63	20.60	20.52	22.4	0.0	
100	1/2 BPSK	1	271	20.48	20.61	20.61			
100	1/2 BPSK	135	0	20.69	20.74	20.64	22.4	0.0	
100	1/2 BPSK	135	69	20.59	20.59	20.69	22.4	0.0	
100	1/2 BPSK	135	138	20.67	20.71	20.67	22.4	0.0	
100	1/2 BPSK	270	0	20.64	20.55	20.58			
100	QPSK	1	1	20.72	20.77	20.68			
100	QPSK	1	137	20.62	20.66	20.60	22.4	0.0	
100	QPSK	1	271	20.61	20.65	20.64			
100	QPSK	135	0	20.65	20.69	20.70	22.4	0.0	
100	QPSK	135	69	20.68	20.74	20.71	22.4	0.0	
100	QPSK	135	138	20.59	20.73	20.68	22.4	0.0	
100	QPSK	270	0	20.61	20.68	20.63			
100	16QAM	1	1	20.59	20.54	20.54	22.4	0.0	
100	16QAM	1	1	20.61	20.62	20.68	22.4	0.0	
100	256QAM	1	1	20.70	20.62	20.58	21.5	0.9	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	20.67	20.62	20.61	22.4	0.0	
	Channel			649334	656000	662668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	20.70	20.64	20.68	22.4	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	20.64	20.70	20.70	22.4	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	20.73	20.73	20.62	22.4	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	20.70	20.71	20.59	22.4	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	20.68	20.68	20.64	22.4	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	20.69	20.63	20.74	22.4	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	20.70	20.63	20.62	22.4	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	20.70	20.59	20.74	22.4	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	20.64	20.70	20.68	22.4	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	20.71	20.74	20.65	22.4	0.0	

Par270 n78 Ant 5 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		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1	17.62	17.62	17.62			
100	1/2 BPSK	1	137	17.61	17.61	17.61	19.4	0.0	
100	1/2 BPSK	1	271	17.64	17.64	17.64			
100	1/2 BPSK	135	0	17.64	17.64	17.64	19.4	0.0	
100	1/2 BPSK	135	69	17.61	17.61	17.61	19.4	0.0	
100	1/2 BPSK	135	138	17.74	17.74	17.74	19.4	0.0	
100	1/2 BPSK	270	0	17.65	17.65	17.65			
100	QPSK	1	1	17.62	17.62	17.62			
100	QPSK	1	137	17.71	17.71	17.71	19.4	0.0	
100	QPSK	1	271	17.66	17.66	17.66			
100	QPSK	135	0	17.72	17.72	17.72	19.4	0.0	
100	QPSK	135	69	17.61	17.61	17.61	19.4	0.0	
100	QPSK	135	138	17.79	17.79	17.79	19.4	0.0	
100	QPSK	270	0	17.75	17.75	17.75			
100	16QAM	1	1	17.67	17.67	17.67	19.4	0.0	
100	16QAM	1	1	17.77	17.77	17.77	19.4	0.0	
100	256QAM	1	1	17.73	17.73	17.73	19.4	0.0	
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	17.80	17.63	17.65	19.4	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	17.67	17.62	17.65	19.4	0.0	
	Channel			649000	650000	6510			

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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1	20.76	20.72			
100	1/2 BPSK	1	137	20.72			22.4	0.0
100	1/2 BPSK	1	271	20.71				
100	1/2 BPSK	135	0	20.69			22.4	0.0
100	1/2 BPSK	135	69	20.73			22.4	0.0
100	1/2 BPSK	135	138	20.75				
100	1/2 BPSK	270	0	20.82			22.4	0.0
100	QPSK	1	1	20.85				
100	QPSK	1	137	20.71			22.4	0.0
100	QPSK	1	271	20.80				
100	QPSK	135	0	20.70			22.4	0.0
100	QPSK	135	69	20.79			22.4	0.0
100	QPSK	135	138	20.69			22.4	0.0
100	QPSK	270	0	20.75				
100	16QAM	1	1	20.83			22.4	0.0
100	64QAM	1	1	20.89			22.4	0.0
100	256QAM	1	1	20.71			21.5	0.9
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	20.73	20.68	20.67	22.4	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	20.80	20.79	20.68	22.4	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	20.68	20.72	20.76	22.4	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	20.78	20.78	20.69	22.4	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	20.79	20.80	20.79	22.4	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	20.80	20.67	20.77	22.4	0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	20.73	20.69	20.71	22.4	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	20.77	20.70	20.72	22.4	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	20.71	20.70	20.73	22.4	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	20.73	20.77	20.68	22.4	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	20.71	20.81	20.72	22.4	0.0



Par270 n77 Ant 7 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		650000	650000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	15.97	16.16	16.15			
100	1/2 BPSK	1	137	16.06	16.05	16.09	17.1	0.0	
100	1/2 BPSK	1	271	16.10	16.07	16.15			
100	1/2 BPSK	135	0	16.01	16.12	16.16	17.1	0.0	
100	1/2 BPSK	135	69	16.13	16.08	16.06	17.1	0.0	
100	1/2 BPSK	135	138	16.11	16.06	16.03			
100	1/2 BPSK	270	0	16.06	16.15	16.13	17.1	0.0	
100	QPSK	1	1	16.12	16.18	16.17			
100	QPSK	1	137	16.06	16.12	16.08			
100	QPSK	1	271	16.13	16.03	16.05	17.1	0.0	
100	QPSK	135	0	16.00	16.04	16.12	17.1	0.0	
100	QPSK	135	69	16.13	16.15	16.10	17.1	0.0	
100	QPSK	135	138	16.09	16.05	16.10			
100	QPSK	270	0	16.13	16.14	16.08	17.1	0.0	
100	16QAM	1	1	16.13	16.16	16.02	17.1	0.0	
100	16QAM	1	1	16.00	16.12	16.12	17.1	0.0	
100	256QAM	1	1	16.05	16.16	16.13	17.1	0.0	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	16.01	16.02	15.93	17.1	0.0	
	Channel			649334	656000	662368	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	15.98	16.01	16.10	17.1	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	16.02	16.05	16.03	17.1	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	15.99	16.11	16.01	17.1	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	15.95	16.05	16.00	17.1	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	15.93	16.12	16.10	17.1	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	15.94	16.02	16.05	17.1	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	16.01	16.13	16.05	17.1	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	15.95	16.06	16.03	17.1	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	16.04	16.13	16.05	17.1	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	16.07	16.05	16.08	17.1	0.0	

Par270 n77 HPUE Ant 7 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		650000	650000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	16.93	19.16	19.08			
100	1/2 BPSK	1	137	19.08	19.02	19.08	20.1	0.0	
100	1/2 BPSK	1	271	19.13	19.15	19.10			
100	1/2 BPSK	135	0	19.03	19.18	19.17	20.1	0.0	
100	1/2 BPSK	135	69	19.07	19.03	19.09	20.1	0.0	
100	1/2 BPSK	135	138	19.12	19.04	19.06	20.1	0.0	
100	1/2 BPSK	270	0	19.12	19.10	19.09			
100	QPSK	1	1	19.16	19.21	19.18			
100	QPSK	1	137	19.13	19.05	19.11	20.1	0.0	
100	QPSK	1	271	19.14	19.08	19.11			
100	QPSK	135	0	19.01	19.08	19.05	20.1	0.0	
100	QPSK	135	69	19.12	19.19	19.08	20.1	0.0	
100	QPSK	135	138	19.11	19.08	19.13			
100	QPSK	270	0	19.11	19.16	19.13	20.1	0.0	
100	16QAM	1	1	19.16	19.12	19.07	20.1	0.0	
100	16QAM	1	1	19.02	19.12	19.05	20.1	0.0	
100	256QAM	1	1	19.02	19.08	19.13	20.1	0.0	
	Channel			649668	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	19.06	19.02	19.03	20.1	0.0	
	Channel			649334	656000	662368	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	19.07	19.00	19.04	20.1	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	19.09	19.08	19.14	20.1	0.0	
	Channel			648668	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	19.13	19.05	19.16	20.1	0.0	
	Channel			648334	656000	663668	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	19.13	19.10	19.17	20.1	0.0	
	Channel			648000	656000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	19.13	19.06	19.04	20.1	0.0	
	Channel			647668	656000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	19.00	19.00	19.09	20.1	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	19.01	19.04	19.11	20.1	0.0	
	Channel			647334	656000	664668	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	19.04	19.12	19.10	20.1	0.0	
	Channel			647168	656000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	19.13	19.11	19.15	20.1	0.0	
	Channel			647000	656000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	18.98	19.09	19.02	20.1	0.0	

Part270 n78 Ant 7 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		650000	650000	650000			
	Frequency (MHz)			3750	3750	3750			
100	1/2 BPSK	1	1	16.43	16.43	16.43			
100	1/2 BPSK	1	137	16.48	16.48	16.48	17.1	0.0	
100	1/2 BPSK	1	271	16.43	16.43	16.43			
100	1/2 BPSK	135	0	16.42	16.42	16.42	17.1	0.0	
100	1/2 BPSK	135	69	16.46	16.46	16.46	17.1	0.0	
100	1/2 BPSK	135	138	16.52	16.52	16.52	17.1	0.0	
100	1/2 BPSK	270	0	16.48	16.48	16.48			
100	QPSK	1	1	16.54	16.54	16.54			
100	QPSK	1	137	16.52	16.52	16.52	17.1	0.0	
100	QPSK	1	271	16.51	16.51	16.51			
100	QPSK	135	0	16.47	16.47	16.47	17.1	0.0	
100	QPSK	135	69	16.53	16.53	16.53	17.1	0.0	
100	QPSK	135	138	16.45	16.45	16.45	17.1	0.0	
100	QPSK	270	0	16.52	16.52	16.52	17.1	0.0	
100	16QAM	1	1	16.51	16.51	16.51	17.1	0.0	
100	16QAM	1	1	16.48	16.48	16.48	17.1	0.0	
100	256QAM	1	1	16.43	16.43	16.43	17.1	0.0	
	Channel			649668	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	16.38	16.38	16.45	17.1	0.0	
	Channel			649334	650000	650668	Tune-up	MPR	
	Frequency (MHz)			3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	16.32	16.47	16.43	17.1	0.0	
	Channel			649000	650				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000	650000	650000		
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137		19.51			
100	1/2 BPSK	1	271		19.49		20.1	0.0
100	1/2 BPSK	135	0		19.50			
100	1/2 BPSK	135	69		19.39		20.1	0.0
100	1/2 BPSK	135	138		19.45		20.1	0.0
100	1/2 BPSK	270	0		19.44			
100	1/2 BPSK	270	0		19.41			
100	QPSK	1	1		19.59			
100	QPSK	1	137		19.48		20.1	0.0
100	QPSK	1	271		19.52			
100	QPSK	135	0		19.44		20.1	0.0
100	QPSK	135	69		19.55		20.1	0.0
100	QPSK	135	138		19.39		20.1	0.0
100	QPSK	270	0		19.54			
100	16QAM	1	1		19.53		20.1	0.0
100	16QAM	1	1		19.53		20.1	0.0
100	256QAM	1	1		19.50		20.1	0.0
Channel								
Frequency (MHz)				649688	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	19.37	19.40	19.49	20.1	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	19.43	19.36	19.45	20.1	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	19.39	19.40	19.47	20.1	0.0
Channel								
Frequency (MHz)				648688	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	19.48	19.46	19.40	20.1	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	19.48	19.33	19.40	20.1	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	19.39	19.36	19.48	20.1	0.0
Channel								
Frequency (MHz)				647688	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	19.38	19.40	19.40	20.1	0.0
Channel								
Frequency (MHz)				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	19.41	19.48	19.41	20.1	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3797.02	limit	(dB)
20	QPSK	1	1	19.35	19.35	19.49	20.1	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	19.37	19.47	19.48	20.1	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	19.45	19.48	19.38	20.1	0.0



Par270 n77 Ant 8 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		650000	650000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	21.57	21.56	21.55			
100	1/2 BPSK	137	1	21.52	21.81	21.52	22.6	0.0	
100	1/2 BPSK	1	271	21.59	21.50	21.52			
100	1/2 BPSK	135	0	21.57	21.59	21.51	22.6	0.0	
100	1/2 BPSK	135	69	21.51	21.59	21.52	22.6	0.0	
100	1/2 BPSK	135	138	21.47	21.47	21.42	22.6	0.0	
100	1/2 BPSK	270	0	21.57	21.62	21.43			
100	QPSK	1	1	21.58	21.65	21.63			
100	QPSK	1	137	21.48	21.56	21.51	22.6	0.0	
100	QPSK	1	271	21.54	21.60	21.45			
100	QPSK	135	0	21.53	21.48	21.50	22.6	0.0	
100	QPSK	135	69	21.59	21.62	21.51	22.6	0.0	
100	QPSK	135	138	21.57	21.53	21.43	22.6	0.0	
100	QPSK	270	0	21.52	21.61	21.55			
100	16QAM	1	1	21.56	21.50	21.48	22.6	0.0	
100	16QAM	1	1	20.19	20.13	19.94	21.5	1.1	
100	256QAM	1	1	18.28	18.26	18.05	19.5	3.1	
	Channel			649688	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	21.43	21.52	21.57	22.6	0.0	
	Channel			649334	650000	650688	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	21.59	21.61	21.46	22.6	0.0	
	Channel			649000	650000	653000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	21.54	21.54	21.58	22.6	0.0	
	Channel			648688	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	21.47	21.57	21.56	22.6	0.0	
	Channel			648334	656000	663688	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	21.53	21.55	21.53	22.6	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	21.57	21.58	21.51	22.6	0.0	
	Channel			647688	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	21.58	21.59	21.46	22.6	0.0	
	Channel			647500	650000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3975.5	limit	(dB)	
25	QPSK	1	1	21.49	21.60	21.49	22.6	0.0	
	Channel			647334	656000	664688	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	21.47	21.48	21.47	22.6	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	21.55	21.53	21.54	22.6	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	21.49	21.53	21.54	22.6	0.0	

Par270 n77 HPUE Ant 8 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		650000	650000	662000			
	Frequency (MHz)			3750	3840	3930			
100	1/2 BPSK	1	1	24.59	24.63	24.53			
100	1/2 BPSK	137	1	24.50	24.94	24.60	25.6	0.0	
100	1/2 BPSK	1	271	24.55	24.59	24.56			
100	1/2 BPSK	135	0	24.57	24.56	24.62	25.6	0.0	
100	1/2 BPSK	135	69	24.64	24.66	24.61	25.6	0.0	
100	1/2 BPSK	135	138	24.53	24.51	24.49	25.6	0.0	
100	1/2 BPSK	270	0	24.54	24.56	24.58			
100	QPSK	1	1	24.68	24.69	24.65			
100	QPSK	1	137	24.64	24.52	24.50	25.6	0.0	
100	QPSK	1	271	24.52	24.67	24.62			
100	QPSK	135	0	24.60	24.62	24.58	25.6	0.0	
100	QPSK	135	69	24.56	24.65	24.61	25.6	0.0	
100	QPSK	135	138	24.51	24.60	24.49	25.6	0.0	
100	QPSK	270	0	24.55	24.58	24.56			
100	16QAM	1	1	24.59	24.53	24.50	25.6	0.0	
100	16QAM	1	1	23.32	23.38	23.15	24.5	1.1	
100	256QAM	1	1	21.51	21.51	21.25	22.5	3.1	
	Channel			649688	656000	662334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	24.50	24.57	24.53	25.6	0.0	
	Channel			649334	650000	662000	Tune-up	MPR	
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	24.53	24.65	24.51	25.6	0.0	
	Channel			649000	656000	663000	Tune-up	MPR	
	Frequency (MHz)			3735	3840	3945	limit	(dB)	
70	QPSK	1	1	24.63	24.58	24.55	25.6	0.0	
	Channel			648688	656000	663334	Tune-up	MPR	
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	24.50	24.66	24.60	25.6	0.0	
	Channel			648334	656000	663688	Tune-up	MPR	
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	24.53	24.59	24.43	25.6	0.0	
	Channel			648000	650000	664000	Tune-up	MPR	
	Frequency (MHz)			3720	3840	3960	limit	(dB)	
40	QPSK	1	1	24.51	24.56	24.63	25.6	0.0	
	Channel			647688	650000	664334	Tune-up	MPR	
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	24.62	24.57	24.50	25.6	0.0	
	Channel			647500	656000	664500	Tune-up	MPR	
	Frequency (MHz)			3712.5	3840	3975.5	limit	(dB)	
25	QPSK	1	1	24.60	24.52	24.55	25.6	0.0	
	Channel			647334	656000	664688	Tune-up	MPR	
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	24.68	24.65	24.51	25.6	0.0	
	Channel			647168	650000	664834	Tune-up	MPR	
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	24.55	24.50	24.47	25.6	0.0	
	Channel			647000	650000	665000	Tune-up	MPR	
	Frequency (MHz)			3705	3840	3975	limit	(dB)	
10	QPSK	1	1	24.65	24.60	24.58	25.6	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
		Channel		650000	650000	650000			
	Frequency (MHz)			3750	3760	3750			
100	1/2 BPSK	1	1	21.46					
100	1/2 BPSK	1	137	21.45			22.6	0.0	
100	1/2 BPSK	1	271	21.48					
100	1/2 BPSK	135	0	21.46			22.6	0.0	
100	1/2 BPSK	135	69	21.45			22.6	0.0	
100	1/2 BPSK	135	138	21.42			22.6	0.0	
100	1/2 BPSK	270	0	21.44					
100	QPSK	1	1	21.49					
100	QPSK	1	137	21.47			22.6	0.0	
100	QPSK	1	271	21.39					
100	QPSK	135	0	21.41			22.6	0.0	
100	QPSK	135	69	21.48			22.6	0.0	
100	QPSK	135	138	21.42			22.6	0.0	
100	QPSK	270	0	21.47					
100	16QAM	1	1	21.42			22.6	0.0	
100	16QAM	1	1	20.14			21.5	1.1	
100	256QAM	1	1	18.08			19.5	3.1	
	Channel			649688	650000	650334	Tune-up	MPR	
	Frequency (MHz)			3745.02	3760	3755.01	limit	(dB)	
90	QPSK	1	1	21.40			22.6	0.0	
	Channel			649334	650000	650688	Tune-up	MPR	
	Frequency (MHz)			3740.01	3760	3760.02	limit	(dB)	
80	QPSK	1	1	21.34			22.6	0.0	
	Channel			649000	650000	651000	Tune-up	MPR	
	Frequency (MHz)			3735	3760	3765	limit	(dB)	
70	QPSK	1	1	21.36			21.35	22.6	0.0
	Channel								



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1		24.40			
100	1/2 BPSK	1	137		24.45		25.6	0.0
100	1/2 BPSK	1	271		24.37			
100	1/2 BPSK	135	0		24.46		25.6	0.0
100	1/2 BPSK	135	69		24.46		25.6	0.0
100	1/2 BPSK	135	138		24.44			
100	1/2 BPSK	270	0		24.42		25.6	0.0
100	QPSK	1	1		24.47			
100	QPSK	1	137		24.45		25.6	0.0
100	QPSK	1	271		24.41			
100	QPSK	135	0		24.33		25.6	0.0
100	QPSK	135	69		24.45		25.6	0.0
100	QPSK	135	138		24.36		25.6	0.0
100	QPSK	270	0		24.41			
100	16QAM	1	1		24.31		25.6	0.0
100	16QAM	1	1		22.92		24.5	1.1
100	256QAM	1	1		20.99		22.5	3.1
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	24.32	24.32	24.35	25.6	0.0
Channel				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	24.43	24.36	24.39	25.6	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	24.40	24.42	24.33	25.6	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	24.31	24.38	24.28	25.6	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	24.32	24.44	24.40	25.6	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	24.44	24.34	24.41	25.6	0.0
Channel				647668	650000	652334	Tune-up	MPR
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	24.43	24.33	24.40	25.6	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
25	QPSK	1	1	24.35	24.32	24.34	25.6	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
20	QPSK	1	1	24.41	24.35	24.29	25.6	0.0
Channel				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	24.39	24.40	24.33	25.6	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	24.41	24.35	24.29	25.6	0.0



BT BREDR		ANT6				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Take-up Limit
		11M03	24M03	39M03		
BR / EDR	CH 00	2402	13.25	13.21	13.16	11.00
	CH 39	2441	13.50	13.81	13.69	13.50
	CH 78	2480	13.25	13.64	13.63	13.50

BLE 1M		ANT6				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Take-up Limit
LE	CH 00	2402	9.35			11.00
	CH 19	2440	9.36			11.00
	CH 39	2480	9.35			11.00

BLE 2M		ANT6				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Take-up Limit
LE	CH 00	2402	9.62			11.00
	CH 19	2440	9.36			11.00
	CH 39	2480	9.36			11.00

BT BREDR		ANT3				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Take-up Limit
		11M03	24M03	39M03		
BR / EDR	CH 00	2402	13.27	14.57	14.51	11.00
	CH 39	2441	16.57	13.57	13.55	13.50
	CH 78	2480	16.57	13.43	13.41	13.50

BLE 1M		ANT3				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Take-up Limit
LE	CH 00	2402	7.33			9.50
	CH 19	2440	9.29			11.00
	CH 39	2480	7.65			9.50

BLE 2M		ANT3				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Take-up Limit
LE	CH 00	2402	7.66			9.50
	CH 19	2440	9.30			11.00
	CH 39	2480	9.30			9.50