

Full&Default Power Mode

GSM850 Ant 0 Default							
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel	128	189	251		128	189	251
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78
GPRS 1 Tx slot	32.74	32.85	32.86	33.50	23.74	23.85	23.86
GPRS 2 Tx slots	29.65	30.91	30.88	31.50	23.65	24.91	24.88
GPRS 3 Tx slots	28.16	29.33	29.31	30.00	23.90	25.07	25.05
GPRS 4 Tx slots	26.54	27.73	27.91	28.00	23.54	24.73	24.91
EDGE 1 Tx slot	25.65	26.45	26.71	27.00	16.65	17.45	17.71
EDGE 2 Tx slots	24.67	25.48	25.28	26.00	16.67	19.48	19.28
EDGE 3 Tx slots	23.14	23.92	23.91	24.50	18.88	19.66	19.65
EDGE 4 Tx slots	21.52	22.24	22.21	23.00	16.52	19.24	19.21

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)	626.4	636.4	646.6	
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 6 DC-HSDPA Subtest-1	21.53	21.63	21.64	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	21.61	21.71	21.57	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	21.03	21.11	21.08	22.50
3GPP Rel 6 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./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.45	22.48	22.46			
10	QPSK	1	25	22.31	22.44	22.31			24
10	QPSK	1	49	22.41	22.30	22.42			
10	QPSK	25	0	21.40	21.54	21.52			
10	QPSK	25	12	21.47	21.49	21.39			
10	QPSK	25	25	21.44	21.40	21.43			23
10	QPSK	50	0	21.46	21.50	21.45			
10	16QAM	1	0	21.44	21.50	21.35			
10	16QAM	1	25	21.46	21.38	21.45			23
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
10	16QAM	50	0	20.45	20.48	20.48			
10	64QAM	1	0	20.48	20.46	20.53			
10	64QAM	1	25	20.45	20.42	20.43			22
10	64QAM	1	49	20.50	20.43	20.41			
10	64QAM	25	0	19.44	19.41	19.51			
10	64QAM	25	12	19.52	19.50	19.38			21
10	64QAM	25	25	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
10	256QAM	1	49	17.44	17.47	17.46			
10	256QAM	25	0	17.50	17.45	17.52			
10	256QAM	25	12	17.50	17.52	17.43			
10	256QAM	25	25	17.42	17.56	17.46			19
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	22.30	22.34	22.15			24
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
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	21.36	21.28			
5	16QAM	1	12	21.35	21.33	21.39			23
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
5	16QAM	12	13	20.35	20.34	20.40			
5	16QAM	25	0	20.40	20.33	20.40			
5	64QAM	1	0	20.30	20.42	20.48			
5	64QAM	1	12	20.32	20.33	20.40			22
5	64QAM	1	24	20.36	20.27	20.24			
5	64QAM	12	0	19.32	19.25	19.44			
5	64QAM	12	7	19.46	19.42	19.30			21
5	64QAM	12	13	19.41	19.32	19.44			
5	64QAM	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	256QAM	1	24	17.30	17.34	17.40			
5	256QAM	12	0	17.40	17.33	17.48			
5	256QAM	12	7	17.46	17.40	17.32			19
5	256QAM	12	13	17.29	17.42	17.41			
5	256QAM	25	0	17.33	17.28	17.43			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.42	22.32	22.36			
3	QPSK	1	8	22.26	22.29	22.16			24
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
3	QPSK	8	8	21.36	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
3	16QAM	1	14	21.29	21.38	21.39			
3	16QAM	8	0	20.47	20.53	20.46			
3	16QAM	8	4	20.36	20.44	20.31			22
3	16QAM	8	7	20.31	20.39	20.43			
3	16QAM	15	0	20.36	20.46	20.44			
3	64QAM	1	0	20.35	20.41	20.44			
3	64QAM	1	8	20.36	20.24	20.39			22
3	64QAM	1	14	20.36	20.28	20.28			
3	64QAM	8	0	19.40	19.34	19.45			
3	64QAM	8	4	19.42	19.44	19.26			21
3	64QAM	8	7	19.35	19.37	19.33			
3	64QAM	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
3	256QAM	1	14	17.28	17.40	17.31			
3	256QAM	8	0	17.39	17.36	17.34			
3	256QAM	8	4	17.46	17.40	17.31			19
3	256QAM	8	7	17.27	17.52	17.39			
3	256QAM	15	0	17.36	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			24
1.4	QPSK	1	5	22.38	22.19	22.40			
1.4	QPSK	3	0	22.25	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
1.4	16QAM	1	0	21.30	21.45	21.22			
1.4	16QAM	1	3	21.28	21.23	21.29			
1.4	16QAM	1	5	21.29	21.36	21.26			23
1.4	16QAM	3	0	21.29	21.38	21.27			
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
1.4	64QAM	1	0	20.44	20.36	20.47			
1.4	64QAM	1	3	20.37	20.39	20.41			
1.4	64QAM	1	5	20.42	20.31	20.35			22
1.4	64QAM	3	0	20.37	20.37	20.30			
1.4	64QAM	3	1	20.37	20.38	20.30			
1.4	64QAM	3	3	20.37	20.34	20.35			21
1.4	64QAM	6	0	19.36	19.36	19.27			
1.4	256QAM	1	0	17.42	17.40	17.24			
1.4	256QAM	1	3	17.31	17.46	17.47			
1.4	256QAM	1	5	17.42	17.41	17.43			19
1.4	256QAM	3	0	17.43	17.41	17.49			
1.4	256QAM	3	1	17.40	17.46	17.27			
1.4	256QAM	3	3	17.31	17.50	17.33			
1.4	256QAM	6	0	17.28	17.38	17.47			19

Band 7 Ant 0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-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
20	QPSK	1	99	22.48	22.29	22.46			
20	QPSK	50	0	21.52	21.62	21.54			
20	QPSK	50	24	21.53	21.47	21.44			23
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	21.48	21.50	21.50			23
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
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	64QAM	1	0	20.60	20.56	20.57			
20	64QAM	1	49	20.55	20.44	20.49			22
20	64QAM	1	99	20.59	20.40	20.42			
20	64QAM	50	0	19.44	19.38	19.60			
20	64QAM	50	24	19.52	19.57	19.41			21
20	64QAM	50	50	19.54	19.54	19.57			
20	256QAM	1	0	19.57	19.44	19.47			
20	256QAM	1	49	17.44	17.67	17.40			
20	256QAM	1	99	17.44	17.47	17.45			19
20	256QAM	50	0	17.48	17.53	17.61			
20	256QAM	50	24	17.56	17.61	17.42			19
20	256QAM	50	50	17.47	17.57	17.43			
20	256QAM	100	0	17.54	17.44	17.63			
Channel									
Frequency (MHz)									
2500	QPSK	1	0	23.07	23.00	23.00	Tune-up limit (dBm)	MPR (dB)	
2500	QPSK	1	0	23.07	23.00	23.00			
15	QPSK	1	0	22.52	22.51	22.51			
15	QPSK	1	37	22.51	22.55	22.53			24
15	QPSK	1	74	22.52	22.31	22.53			
15	QPSK	38	0	21.58	21.63	21.53			
15	QPSK	38	20	21.50	21.50	21.40			23
15	QPSK	38	39	21.56	21.52	21.41			1
15	QPSK	75	0	21.55	21.60	21.52			
15	16QAM	1	0	21.49	21.50	21.32			
15	16QAM	1	37	21.47	21.39	21.52			23
15	16QAM	1	74	21.47	21.39	21.41			
15	16QAM	38	0	20.61	20.57	20.50			
15	16QAM	38	20	20.63	20.64	20.51			22
15	16QAM	38	39	20.41	20.47	20.57			
15	16QAM	75	0	20.44	20.60	20.57			
15	64QAM	1	0	20.59	20.47	20.57			
15	64QAM	1	37	20.57	20.35	20.50			22
15	64QAM	1	74	20.62	20.45	20.41			
15	64QAM	38	0	19.56	19.51	19.54			
15	64QAM	38	20	19.65	19.59	19.40			21
15	64QAM	38	39	19.61	19.50	19.50			
15	256QAM	1	0	17.51	17.57	17.42			
15	256QAM	1	37	17.58	17.58	17.52			19
15	256QAM	1	74	17.52	17.54	17.56			
15	256QAM	38	0	17.52	17.58	17.56			
15	256QAM	38	20	17.50	17.62	17.52			19
15	256QAM	38	39	17.68	17.68	17.47			
15	256QAM	75	0	17.50	17.52	17.52			
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.51	22.53	22.50			
20	QPSK	1	25	22.33	22.45	22.36			24
20	QPSK	1	49	22.39	22.34	22.53			
20	QPSK	50	0	21.51	21.55	21.45			23
20	QPSK	50	25	21.43	21.51	21.47			
20	QPSK	50	50	21.62	21.50	21.45			
20	16QAM	1	0	21.55	21.49	21.43			
20	16QAM	1	25	21.42	21.55	21.46			23
20	16QAM	1	49	21.51	21.55	21.48			
20	16QAM	25	0	20.51	20.49	20.51			
20	16QAM	25	12	20.66	20.51	20.40			22
20	16QAM	25	25	20.53	20.55	20.61			
20	16QAM	50	0	20.47	20.53	20.63			
20	16QAM	50	12	20.58	20.51	20.40			22
20	64QAM	1	25	20.57	20.51	20.50			
20	64QAM	1	49	20.47	20.44	20.47			
20	64QAM	25	0	19.41	19.52	19.55			
20	64QAM	25	12	19.52	19.55	19.49			21
20	64QAM	25	25	19.50	19.47	19.54			
20	256QAM	1	25	17.50	17.50	17.40			
20	256QAM	1	25	17.48	17.50	17.56			19
20	256QAM	1	49	17.57	17.53	17.49			
20	256QAM	25	0	17.58	17.45	17.51			
20	256QAM	25	12	17.64	17.64	17.50			19
20	256QAM	25	25	17.51	17.57	17.51			
20	256QAM	50	0	17.44	17.40	17.53			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.75	22.60	22.65	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.44	22.57	22.50			
5	QPSK	1	12	22.42	22.56	22.49			24
5	QPSK	12	0	22.17	22.22	22.22			
5	QPSK	12	0	21.56	21.61	21.87			
5	QPSK	12	7	21.54	21.49	21.44			
5	QPSK	12	13	21.52	21.41	21.48			
5	QPSK	25	0	21.57	21.49	21.55			
5	16QAM	1	0	21.46	21.56	21.43			23
5	16QAM	1	12	21.45	21.41	21.44			
5	16QAM	1	24	21.45	21.53	21.47			
5	16QAM	12	0	20.55	20.59	20.44			
5	16QAM	12	7	20.53	20.49	20.52			22
5	16QAM	12	13	20.48	20.48	20.50			
5	16QAM	25	0	20.51	20.51	20.50			
5	16QAM	25	12	20.49	20.49	20.50			22
5	64QAM	1	12	20.45	20.54	20.50			
5	64QAM	1	24	20.49	20.42	20.46			
5	64QAM	12	0	19.57	19.39	19.62			
5	64QAM	12	7	19.52	19.59	19.48			21
5	64QAM	12	13	19.52	19.50	19.52			
5	64QAM	25	0	19.53	19.49	19.39			
5	256QAM	1	0	17.50	17.58	17.51			
5	256QAM	1	12	17.55	17.51	17.58			19
5	256QAM	1	24	17.51	17.51	17.49			
5	256QAM	12	0	17.56	17.52	17.51			
5	256QAM	12	7	17.51	17.51	17.44			19
5	256QAM	12	13	17.52	17.66	17.53			
5	256QAM	25	0	17.56	17.51	17.52			

Band 13 Ant 0 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2325					
Frequency (MHz)				762					
10	QPSK	1	0	22.71			24	0	
10	QPSK	1	25	22.80					
10	QPSK	1	49	22.38					
10	QPSK	25	0	21.61					
10	QPSK	25	12	21.62					
10	QPSK	25	25	21.53			23	1	
10	QPSK	50	0	21.67					
10	16QAM	1	0	21.60					
10	16QAM	1	25	21.51					
10	16QAM	1	49	21.56					
10	16QAM	25	0	20.88			22	2	
10	16QAM	25	12	20.67					
10	16QAM	25	25	20.54					
10	16QAM	50	0	20.56					
10	16QAM	1	0	20.69					
10	16QAM	1	25	20.58			22	2	
10	16QAM	1	49	20.58					
10	16QAM	25	0	19.49					
10	16QAM	25	12	19.57					
10	16QAM	25	25	19.69					
10	16QAM	50	0	19.57			21	3	
10	16QAM	1	0	17.69					
10	16QAM	1	25	17.64					
10	16QAM	1	49	17.67					
10	16QAM	25	0	17.67					
10	16QAM	25	12	17.73			19	5	
10	16QAM	25	25	17.73					
10	16QAM	50	0	17.69					
10	16QAM	50	0	17.55					
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
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			
5	QPSK	12	13	22.42	22.53	22.61	23	1	
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			
5	16QAM	1	24	21.41	21.46	21.42			
5	16QAM	12	0	21.49	21.48	21.36	22	2	
5	16QAM	12	7	21.54	21.58	21.44			
5	16QAM	12	13	21.43	21.60	21.50			
5	16QAM	25	0	20.50	20.41	20.52			
5	16QAM	25	0	20.50	20.41	20.52			
5	16QAM	1	0	20.60	20.56	20.68	22	2	
5	16QAM	1	12	20.47	20.55	20.49			
5	16QAM	1	24	20.63	20.46	20.47			
5	16QAM	12	0	20.59	20.58	20.48			
5	16QAM	12	7	20.59	20.50	20.49			
5	16QAM	12	13	20.48	20.52	20.46	21	3	
5	16QAM	25	0	19.50	19.56	19.45			
5	16QAM	1	0	17.57	17.57	17.44			
5	16QAM	1	12	17.40	17.62	17.70			
5	16QAM	1	24	17.57	17.60	17.52			
5	16QAM	12	0	17.53	17.56	17.83	19	5	
5	16QAM	12	7	17.55	17.56	17.46			
5	16QAM	12	13	17.53	17.61	17.53			
5	16QAM	25	0	17.42	17.47	17.63			
5	16QAM	25	0	17.42	17.47	17.63			

Band 17 Ant 0 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760					
Frequency (MHz)				710					
10	QPSK	1	0	22.61	22.67	22.58	24	0	
10	QPSK	1	25	22.42	22.60	22.54			
10	QPSK	1	49	22.59	22.45	22.51			
10	QPSK	25	0	21.57	21.65	21.61			
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	21.58	21.57	21.59			
10	16QAM	1	49	21.63	21.54	21.61			
10	16QAM	25	0	20.65	20.65	20.51	22	2	
10	16QAM	25	12	20.61	20.71	20.59			
10	16QAM	25	25	20.55	20.63	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	20.66	20.66	20.52			
10	16QAM	25	0	19.60	19.58	19.62			
10	16QAM	25	12	19.71	19.61	19.54			
10	16QAM	25	25	19.66	19.55	19.71			
10	16QAM	50	0	19.75	19.53	19.50	21	3	
10	16QAM	1	0	17.70	17.67	17.58			
10	16QAM	1	25	17.59	17.63	17.72			
10	16QAM	1	49	17.51	17.60	17.68			
10	16QAM	25	0	17.63	17.60	17.61			
10	16QAM	25	12	17.75	17.59	17.59	19	5	
10	16QAM	25	25	17.68	17.72	17.63			
10	16QAM	50	0	17.63	17.56	17.70			
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				708.5	710	713.5			
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	21.63			
5	QPSK	12	7	21.54	21.52	21.45			
5	QPSK	12	13	21.55	21.41	21.55	23	1	
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			
5	16QAM	1	24	21.58	21.57	21.44			
5	16QAM	12	0	20.51	20.60	20.45	22	2	
5	16QAM	12	7	20.64	20.52	20.50			
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	20.49	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	19.54	19.53	19.42			
5	16QAM	12	13	19.53	19.54	19.62			
5	16QAM	25	0	19.55	19.48	19.44	19	5	
5	16QAM	1	0	17.53	17.66	17.40			
5	16QAM	1	12	17.53	17.63	17.59			
5	16QAM	1	24	17.47	17.49	17.43			
5	16QAM	12	0	17.50	17.48	17.54			
5	16QAM	12	7	17.65	17.55	17.49	19	5	
5	16QAM	12	13	17.40	17.66	17.45			
5	16QAM	25	0	17.47	17.44	17.52			
5	16QAM	25	0	17.47	17.44	17.52			
5	16QAM	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				26765					
Frequency (MHz)				821.5					
15	QPSK	1	0	22.48	22.49	22.44	24	0	
15	QPSK	1	37	22.31	22.45	22.32			
15	QPSK	1	74	22.46	22.41	22.44	23	1	
15	QPSK	36	0	21.55	21.57	21.53			
15	QPSK	36	37	21.55	21.51	21.47	22	2	
15	QPSK	36	39	21.51	21.55	21.52			
15	QPSK	75	0	21.54	21.56	21.54	21	1	
15	16QAM	1	0	21.46	21.48	21.38			
15	16QAM	1	37	21.49	21.39	21.47	20	2	
15	16QAM	1	74	21.51	21.39	21.48			
15	16QAM	36	0	20.59	20.51	20.50	19	5	
15	16QAM	36	20	20.65	20.53	20.39			
15	16QAM	36	39	20.51	20.48	20.58	18	5	
15	16QAM	75	0	20.43	20.54	20.52			
15	16QAM	1	0	20.55	20.50	20.50	17	5	
15	16QAM	1	37	20.45	20.47	20.55			
15	16QAM	1	74	20.52	20.50	20.41	16	5	
15	16QAM	36	0	19.50	19.42	19.60			
15	16QAM	36	20	19.64	19.60	19.38	15	5	
15	8QAM	36	39	19.67	19.59	19.54			
15	8QAM	75	0	19.67	19.59	19.54	14	5	
15	25QAM	1	0	17.48	17.58	17.41			
15	25QAM	1	37	17.52	17.63	17.63	13	5	
15	25QAM	1	74	17.44	17.56	17.50			
15	25QAM	36	0	17.50	17.60	17.61	12	5	
15	25QAM	36	20	17.55	17.59	17.55			
15	25QAM	36	39	17.41	17.62	17.55	11	5	
15	25QAM	75	0	17.47	17.39	17.50			
Channel				26760			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819					
10	QPSK	1	0	22.38	22.38	22.44	24	0	
10	QPSK	1	25	22.21	22.33	22.21			
10	QPSK	1	25	22.21	22.33	22.21	23	1	
10	QPSK	25	0	21.37	21.45	21.36			
10	QPSK	25	12	21.35	21.46	21.32	22	2	
10	QPSK	25	25	21.37	21.36	21.34			
10	QPSK	50	0	21.41	21.37	21.41	21	3	
10	16QAM	1	0	21.43	21.44	21.37			
10	16QAM	1	25	21.43	21.44	21.37	20	3	
10	16QAM	1	49	21.33	21.36	21.35			
10	16QAM	25	0	20.53	20.45	20.33	19	3	
10	16QAM	25	12	20.44	20.41	20.32			
10	16QAM	25	25	20.37	20.48	20.47	18	3	
10	8QAM	25	0	19.46	19.39	19.34			
10	8QAM	25	25	19.46	19.39	19.42	17	3	
10	8QAM	50	0	19.47	19.42	19.51			
10	25QAM	1	0	17.40	17.52	17.37	16	3	
10	25QAM	1	25	17.43	17.39	17.52			
10	25QAM	1	49	17.40	17.38	17.35	15	3	
10	25QAM	1	74	17.41	17.43	17.55			
10	25QAM	25	12	17.50	17.41	17.32	14	3	
10	25QAM	25	25	17.43	17.48	17.46			
10	25QAM	50	0	17.47	17.28	17.44	13	3	
Channel				26715					
Frequency (MHz)				816.5					
5	QPSK	1	0	22.35	22.40	22.50	24	0	
5	QPSK	1	12	22.32	22.42	22.40			
5	QPSK	1	24	22.36	22.22	22.22	23	1	
5	QPSK	12	0	21.41	21.50	21.53			
5	QPSK	12	7	21.45	21.36	21.30	22	2	
5	QPSK	12	13	21.44	21.41	21.39			
5	16QAM	1	0	21.41	21.34	21.48	21	3	
5	16QAM	1	12	21.32	21.34	21.41			
5	16QAM	1	24	21.38	21.39	21.39	20	3	
5	16QAM	12	0	20.44	20.51	20.31			
5	16QAM	12	7	20.53	20.45	20.39	19	3	
5	16QAM	12	13	20.39	20.34	20.39			
5	16QAM	25	0	20.39	20.35	20.41	18	3	
5	8QAM	1	0	20.41	20.39	20.56			
5	8QAM	1	12	20.47	20.45	20.43	17	3	
5	8QAM	1	24	20.50	20.37	20.32			
5	8QAM	12	0	19.46	19.46	19.42	16	3	
5	8QAM	12	7	19.46	19.42	19.25			
5	8QAM	12	13	19.45	19.46	19.50	15	3	
5	8QAM	25	0	19.56	19.42	19.39			
5	25QAM	1	0	17.49	17.49	17.37	14	3	
5	25QAM	1	12	17.52	17.40	17.47			
5	25QAM	1	24	17.53	17.42	17.34	13	3	
5	25QAM	12	0	17.42	17.43	17.40			
5	25QAM	12	7	17.42	17.52	17.46	12	3	
5	25QAM	12	13	17.44	17.53	17.47			
5	25QAM	25	0	17.46	17.40	17.38	11	3	
Channel				26715					
Frequency (MHz)				816.5					
3	QPSK	1	0	22.34	22.43	22.28	24	0	
3	QPSK	1	8	22.29	22.33	22.36			
3	QPSK	1	14	22.36	22.23	22.37	23	1	
3	QPSK	8	0	21.34	21.46	21.40			
3	QPSK	8	7	21.38	21.43	21.42	22	2	
3	QPSK	8	7	21.37	21.29	21.33			
3	QPSK	15	0	21.41	21.51	21.49	21	3	
3	16QAM	1	0	21.43	21.43	21.21			
3	16QAM	1	8	21.38	21.33	21.42	20	3	
3	16QAM	1	14	21.42	21.35	21.43			
3	16QAM	8	0	20.43	20.39	20.38	19	3	
3	16QAM	8	4	20.44	20.41	20.35			
3	16QAM	8	7	20.41	20.38	20.47	18	3	
3	8QAM	15	0	20.40	20.45	20.42			
3	8QAM	1	0	20.47	20.43	20.40	17	3	
3	8QAM	1	14	20.44	20.42	20.46			
3	8QAM	1	14	20.44	20.42	20.38	16	3	
3	8QAM	8	0	19.37	19.41	19.50			
3	8QAM	8	4	19.54	19.47	19.34	15	3	
3	8QAM	8	7	19.44	19.49	19.49			
3	8QAM	15	0	19.54	19.33	19.39	14	3	
3	8QAM	1	0	17.49	17.49	17.31			
3	25QAM	1	8	17.35	17.45	17.37	13	3	
3	25QAM	1	14	17.38	17.38	17.37			
3	25QAM	8	4	17.43	17.51	17.52	12	3	
3	25QAM	8	4	17.43	17.46	17.47			
3	25QAM	15	0	17.47	17.47	17.45	11	3	
3	25QAM	15	0	17.37	17.36	17.42			
Channel				26697					
Frequency (MHz)				816.7					
1.4	QPSK	1	0	22.32	22.39	22.43	24	0	
1.4	QPSK	1	3	22.09	22.28	22.08			
1.4	QPSK	1	5	22.29	22.07	22.02	23	1	
1.4	QPSK	1	5	22.30	22.22	22.22			
1.4	QPSK	3	3	22.29	22.23	22.24	22	2	
1.4	QPSK	6	6	21.26	21.35	21.29			
1.4	16QAM	1	0	21.33	21.32	21.20	21	3	
1.4	16QAM	1	3	21.15	21.25	21.38			
1.4	16QAM	1	5	21.25	21.27	21.28	20	3	
1.4	16QAM	3	3	21.21	21.41	21.17			
1.4	16QAM	3	1	21.35	21.33	21.29	19	3	
1.4	16QAM	3	3	21.27	21.39	21.32			
1.4	16QAM	6	6	20.33	20.33	20.22	18	3	
1.4	8QAM	6	6	20.38	20.30	20.46			
1.4	8QAM	1	5	20.33	20.29	20.29	17	3	
1.4	8QAM	3	3	20.25	20.37	20.18			
1.4	8QAM	3	1	20.31	20.38	20.25	16	3	
1.4	8QAM	3	3	20.29	20.34	20.37			
1.4	8QAM	6	6	19.26	19.26	19.29	15	3	
1.4	25QAM	1	0	17.37	17.31	17.15			
1.4	25QAM	1	3	17.26	17.36	17.37	14	3	
1.4	25QAM	1	5	17.40	17.38	17.37			
1.4	25QAM	3	3	17.44	17.25	17.50	13	3	
1.4	25QAM	3	5	17.38	17.37	17.22			
1.4	25QAM	3	3	17.25	17.47	17.35	12	3	
1.4	25QAM	6	6	17.18	17.37	17.40			



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				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	22.49	22.52	22.46	24	0				
20	QPSK	1	49	22.33	22.49	22.33						
20	QPSK	1	99	22.50	22.42	22.51						
20	QPSK	50	0	21.53	21.67	21.61	23	1				
20	QPSK	50	24	21.48	21.49	21.44						
20	QPSK	50	50	21.45	21.59	21.56						
20	QPSK	100	0	21.50	21.61	21.45	23	1				
20	16QAM	1	0	21.45	21.50	21.47						
20	16QAM	1	49	21.45	21.46	21.53						
20	16QAM	1	99	21.52	21.54	21.45	22	2				
20	16QAM	50	0	20.53	20.60	20.52						
20	16QAM	50	24	20.61	20.63	20.41						
20	16QAM	50	50	20.38	20.44	20.59	22	2				
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	21	3				
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	19	5				
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	19	5				
20	256QAM	1	49	17.56	17.54	17.55						
20	256QAM	1	99	17.46	17.59	17.55						
20	256QAM	50	0	17.48	17.49	17.54	19	5				
20	256QAM	50	24	17.60	17.63	17.40						
20	256QAM	50	50	17.49	17.65	17.46						
20	256QAM	100	0	17.47	17.51	17.48						
Channel				37825	38000	38175	tone-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2577.5	2590	2612.5						
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	23	1				
15	QPSK	36	20	21.49	21.43	21.33						
15	QPSK	36	39	21.33	21.35	21.43						
15	QPSK	75	0	21.42	21.40	21.45	23	1				
15	16QAM	1	0	21.35	21.50	21.22						
15	16QAM	1	37	21.35	21.30	21.43						
15	16QAM	1	74	21.36	21.34	21.40	22	2				
15	16QAM	36	0	20.52	20.45	20.37						
15	16QAM	36	20	20.56	20.46	20.35						
15	16QAM	36	39	20.36	20.36	20.47	22	2				
15	16QAM	75	0	20.47	20.38	20.48						
15	64QAM	1	0	20.47	20.48	20.45						
15	64QAM	1	37	20.39	20.36	20.38	22	2				
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	19	5				
15	256QAM	1	37	17.45	17.54	17.43						
15	256QAM	1	74	17.38	17.39	17.45						
15	256QAM	36	0	17.40	17.34	17.42	19	5				
15	256QAM	36	20	17.48	17.53	17.39						
15	256QAM	36	39	17.38	17.58	17.34						
15	256QAM	75	0	17.36	17.28	17.53						
Channel				37800	38000	38200	tone-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2575	2595	2615						
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	23	1				
10	QPSK	25	12	21.43	21.38	21.38						
10	QPSK	25	25	21.32	21.29	21.32						
10	QPSK	50	0	21.42	21.49	21.37	23	1				
10	16QAM	1	0	21.31	21.52	21.26						
10	16QAM	1	25	21.40	21.30	21.42						
10	16QAM	1	49	21.46	21.44	21.34	22	2				
10	16QAM	25	0	20.53	20.42	20.41						
10	16QAM	25	12	20.41	20.43	20.32						
10	16QAM	25	25	20.38	20.44	20.50	22	2				
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	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	19	5				
10	256QAM	25	12	17.51	17.54	17.36						
10	256QAM	25	25	17.37	17.50	17.38						
10	256QAM	50	0	17.37	17.31	17.43						
Channel				37865	38000	38165	tone-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2577.5	2595	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	22.35	22.26	22.30						
5	QPSK	12	0	21.37	21.49	21.47	23	1				
5	QPSK	12	7	21.45	21.52	21.34						
5	QPSK	12	13	21.34	21.39	21.45						
5	QPSK	25	0	21.52	21.37	21.44	23	1				
5	16QAM	1	0	21.41	21.49	21.38						
5	16QAM	1	12	21.32	21.35	21.48						
5	16QAM	1	24	21.42	21.36	21.35	22	2				
5	16QAM	12	0	20.54	20.50	20.30						
5	16QAM	12	7	20.41	20.48	20.39						
5	16QAM	12	13	20.41	20.48	20.53	22	2				
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	20.33	20.45	22	2				
5	64QAM	1	24	20.49	20.32	20.30						
5	64QAM	12	0	19.41	19.37	19.49						
5	64QAM	12	7	19.40	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	19	5				
5	256QAM	1	12	17.45	17.47	17.54						
5	256QAM	1	24	17.45	17.40	17.34						
5	256QAM	12	0	17.37	17.36	17.50	19	5				
5	256QAM	12	7	17.45	17.40	17.38						
5	256QAM	12	13	17.42	17.44	17.39						
5	256QAM	25	0	17.44	17.31	17.41						

GSM850 Ant 1 Default													
GSM850 Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)				
TX Channel		128	189	251		128	189	251					
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8					
GSM 1 Tx slot		31.88	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	24.62	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)				
TX Channel		512	661	810		512	661	810					
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8					
GSM 1 Tx slot		27.21	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				
WCDMA II Ant 1 Default													
		WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1 Default			Tune-up Limit (dBm)	WCDMA V Ant 1 Default			
Band													
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	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	RMC 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	19.65	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	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 Rel 8	DC-HSDPA 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	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 Rel 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 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 2 Ant 1 Default																						
BW (MHz)	Modulation	RB Scale	RB Offset	Power Max Ch./Freq.	Power Min Ch./Freq.	Power High Ch./Freq.	Turn-on Time (sec)	APRS (dB)														
Channel																						
Frequency (MHz)																						
20	QPSK	1	0	22.40	22.54	22.43			24	0												
20	QPSK	1	48	22.40	22.52	22.58																
20	QPSK	1	96	22.50	22.36	22.46																
20	QPSK	50	0	21.40	21.62	21.57			23	1												
20	QPSK	50	24	21.40	21.62	21.41																
20	QPSK	50	50	21.52	21.43	21.50																
20	QPSK	100	0	21.57	21.59	21.56			23	1												
20	QPSK	100	0	21.36	21.53	21.38																
20	16QAM	1	48	21.45	21.52	21.47			23	1												
20	16QAM	1	96	21.54	21.50	21.54																
20	16QAM	50	0	20.93	20.99	20.96			22	2												
20	16QAM	50	24	20.47	20.55	20.42																
20	16QAM	50	50	20.40	20.48	20.52			22	2												
20	16QAM	100	0	20.57	20.50	20.54																
20	16QAM	1	0	20.54	20.45	20.47			22	2												
20	16QAM	1	48	20.47	20.52	20.42																
20	16QAM	50	0	20.46	20.54	20.46			21	3												
20	16QAM	50	0	19.97	19.90	19.93																
20	16QAM	50	50	19.87	19.95	19.93			19	5												
20	16QAM	100	0	19.59	19.46	19.34																
20	256QAM	1	48	17.54	17.65	17.42			19	5												
20	256QAM	1	96	17.54	17.59	17.65																
20	256QAM	1	96	17.47	17.49	17.65			19	5												
20	256QAM	50	0	17.61	17.58	17.61																
20	256QAM	50	24	17.61	17.50	17.67			19	5												
20	256QAM	50	50	17.50	17.56	17.47																
20	256QAM	100	0	17.60	17.52	17.43																
Channel																						
Frequency (MHz)																						
16	QPSK	1	0	22.45	22.49	22.43			24	0												
16	QPSK	1	37	22.31	22.34	22.27																
16	QPSK	1	74	22.42	22.24	22.31			23	1												
16	QPSK	36	0	21.44	21.47	21.43																
16	QPSK	36	0	21.35	21.40	21.43			23	1												
16	QPSK	36	36	21.37	21.34	21.42																
16	QPSK	75	0	21.39	21.41	21.39			23	1												
16	QPSK	75	0	21.39	21.40	21.39																
16	16QAM	1	37	21.44	21.38	21.46			23	1												
16	16QAM	1	74	21.44	21.38	21.46																
16	16QAM	36	0	20.46	20.53	20.28			22	2												
16	16QAM	36	20	20.46	20.46	20.38																
16	16QAM	36	36	20.46	20.46	20.38			21	3												
16	16QAM	75	0	20.37	20.42	20.42																
16	16QAM	1	0	20.53	20.30	20.46			22	2												
16	16QAM	1	37	20.44	20.35	20.38																
16	16QAM	1	74	20.54	20.50	20.27			21	3												
16	16QAM	36	0	19.33	19.32	19.38																
16	16QAM	36	20	19.43	19.43	19.37			19	5												
16	16QAM	36	36	19.40	19.25	19.51																
16	16QAM	75	0	19.53	19.38	19.37			19	5												
16	256QAM	1	0	17.53	17.57	17.41																
16	256QAM	1	37	17.38	17.39	17.49			19	5												
16	256QAM	1	74	17.38	17.39	17.49																
16	256QAM	36	0	17.42	17.38	17.41			19	5												
16	256QAM	36	20	17.54	17.44	17.34																
16	256QAM	36	36	17.44	17.59	17.46			19	5												
16	256QAM	75	0	17.48	17.38	17.46																
Channel																						
Frequency (MHz)																						
10	QPSK	1	0	22.30	22.30	22.30			24	0												
10	QPSK	1	25	22.19	22.35	22.26																
10	QPSK	1	48	22.33	22.20	22.34			23	1												
10	QPSK	50	0	21.39	21.50	21.52																
10	QPSK	25	12	21.40	21.51	21.45			23	1												
10	QPSK	25	12	21.38	21.45	21.34																
10	QPSK	16	8	21.41	21.38	21.41			23	1												
10	16QAM	1	0	21.33	21.44	21.21																
10	16QAM	1	25	21.40	21.36	21.35			23	1												
10	16QAM	1	48	21.36	21.41	21.36																
10	16QAM	25	0	20.51	20.46	20.26			22	2												
10	16QAM	25	12	20.41	20.45	20.40																
10	16QAM	25	12	20.38	20.35	20.48			21	3												
10	16QAM	50	0	20.41	20.41	20.35																
10	16QAM	1	0	20.39	20.39	20.44			22	2												
10	16QAM	1	25	20.41	20.35	20.33																
10	16QAM	1	48	20.40	20.46	20.32			21	3												
10	16QAM	25	0	19.42	19.38	19.46																
10	16QAM	25	12	19.33	19.32	19.38			19	5												
10	16QAM	50	0	19.54	19.29	19.32																
10	256QAM	1	0	17.44	17.52	17.42			19	5												
10	256QAM	1	25	17.32	17.41	17.48																
10	256QAM	1	48	17.36	17.37	17.47			19	5												
10	256QAM	25	0	17.44	17.32	17.42																
10	256QAM	25	12	17.52	17.33	17.32			19	5												
10	256QAM	25	12	17.43	17.58	17.50																
10	256QAM	50	0	17.48	17.32	17.50																
Channel																						
Frequency (MHz)																						
5	QPSK	1	0	22.30	22.33	22.30			24	0												
5	QPSK	1	8	22.22	22.33	22.37																
5	QPSK	1	24	22.36	22.24	22.26			23	1												
5	QPSK	12	0	21.34	21.44	21.40																
5	QPSK	12	7	21.36	21.41	21.38			23	1												
5	QPSK	12	13	21.45	21.35	21.41																
5	QPSK	50	0	21.40	21.62	21.57			23	1												
5	QPSK	50	24	21.40	21.62	21.41																
5	QPSK	50	50	21.52	21.43	21.50			23	1												
5	QPSK	100	0	21.57	21.59	21.56																
5	QPSK	100	0	21.36	21.53	21.38			23	1												
5	16QAM	1	48	21.45	21.52	21.47																
5	16QAM	1	96	21.54	21.50	21.54			23	1												
5	16QAM	50	0	20.93	20.99	20.96																
5	16QAM	50	24	20.47	20.55	20.42			22	2												
5	16QAM	50	50	20.40	20.48	20.52																
5	16QAM	100	0	20.57	20.50	20.54			22	2												
5	16QAM	1	0	20.54	20.45	20.47																
5	16QAM	1	48	20.47	20.52	20.42			21	3												
5	16QAM	50	0	20.46	20.54	20.46																
5	16QAM	50	0	19.97	19.90	19.93			19	5												
5	16QAM	50	50	19.87	19.95	19.93																
5	16QAM	100	0	19.59	19.46	19.34			19	5												
5	256QAM	1	48	17.54	17.65	17.42																
5	256QAM	1	96	17.54	17.59	17.65			19	5												
5	256QAM	1	96	17.47	17.49	17.65																
5	256QAM	50	0	17.61	17.58	17.61			19	5												
5	256QAM	50	24	17.61	17.50	17.67																
5	256QAM	50	50	17.50	17.56	17.47			19	5												
5	256QAM	100	0	17.60	17.52	17.43																
Channel																						
Frequency (MHz)																						
14	QPSK	1	0	22.45	22.49	22.43			24					0								
14	QPSK	1	37	22.31	22.34	22.27																
14	QPSK	1	74	22.42	22.24	22.31			23	1												
14	QPSK	36	0	21.44	21.47	21.43																
14	QPSK	36	0	21.35	21.40	21.43			23	1												
14	QPSK	36	36	21.37	21.34	21.42																
14	QPSK	75	0	21.39	21.41	21.39			23	1												
14	QPSK	75	0	21.39	21.40	21.39																
14	16QAM	1	37	21.44	21.38	21.46			23	1												
14	16QAM	1	74	21.44	21.38	21.46																
14	16QAM	36	0	20.46	20.53	20.28			22	2												
14	16QAM	36	20	20.46	20.46	20.38																
14	16QAM	36	36	20.46	20.46	20.38			21	3												
14	16QAM	75	0	20.37	20.42	20.42																
14	16QAM	1	0	20.53	20.30	20.46			22	2												
14	16QAM	1	37	20.44	20.35	20.38																
14	16QAM	1	74	20.54	20.50	20.27			21	3												
14	16QAM	36	0	19.33	19.32	19.38																
14	16QAM	36	20	19.43	19.43	19.37			19	5												
14	16QAM	36	36	19.40	19.25	19.51																
14	16QAM	75	0	19.53	19.38	19.37			19	5												
14	256QAM	1	0	17.53	17.57	17.41																
14	256QAM	1	37	17.38	17.39	17.49			19	5												
14	256QAM	1	74	17.38	17.39	17.49																
14	256QAM	36	0	17.42	17.38	17.41			19	5												
14	256QAM	36	20	17.54	17.44	17.34																
14	256QAM	36	36	17.44	17.59	17.46																



Band 12 Ant 1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Tune-up (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.50	22.48				
10	QPSK	1	25	22.24	22.42	22.48	24	0		
10	QPSK	1	49	22.42	22.31	22.49				
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	21.35	21.52	21.23				
10	16QAM	1	25	21.38	21.45	21.43	23	1		
10	16QAM	1	49	21.47	21.43	21.48				
10	16QAM	25	0	20.39	20.39	20.39				
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	20.56				
10	64QAM	1	0	20.42	20.34	20.40				
10	64QAM	1	25	20.36	20.42	20.36	22	2		
10	64QAM	1	49	20.49	20.45	20.45				
10	64QAM	25	0	19.41	19.43	19.54				
10	64QAM	25	12	19.56	19.42	19.57	21	3		
10	64QAM	25	25	19.50	19.35	19.52				
10	256QAM	1	0	17.62	17.53	17.38				
10	256QAM	1	25	17.43	17.55	17.61	19	5		
10	256QAM	1	49	17.45	17.37	17.44				
10	256QAM	25	0	17.57	17.35	17.54				
10	256QAM	25	12	17.61	17.55	17.52	19	5		
10	256QAM	25	25	17.38	17.57	17.49				
10	256QAM	50	0	17.49	17.43	17.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.45	22.51	22.51				
5	QPSK	1	12	22.30	22.47	22.43	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	21.35	23	1		
5	QPSK	12	13	21.41	21.40	21.32				
5	16QAM	25	0	21.48	21.52	21.50				
5	16QAM	1	0	21.31	21.48	21.24	23	1		
5	16QAM	1	12	21.30	21.37	21.42				
5	16QAM	12	0	20.51	20.51	20.50				
5	16QAM	12	7	20.33	20.40	20.31	22	2		
5	16QAM	12	13	20.38	20.41	20.54				
5	16QAM	25	0	20.42	20.57	20.46				
5	64QAM	1	0	20.38	20.39	20.30	22	2		
5	64QAM	1	12	20.42	20.45	20.38				
5	64QAM	1	24	20.45	20.47	20.30				
5	64QAM	12	0	19.42	19.44	19.49				
5	64QAM	12	7	19.43	19.35	19.33	21	3		
5	64QAM	12	13	19.43	19.38	19.37				
5	64QAM	25	0	19.48	19.35	19.27				
5	256QAM	1	0	17.51	17.51	17.51				
5	256QAM	1	12	17.59	17.46	17.55	19	5		
5	256QAM	1	24	17.34	17.33	17.41				
5	256QAM	12	0	17.46	17.36	17.42				
5	256QAM	12	7	17.46	17.37	17.41	19	5		
5	256QAM	12	13	17.35	17.41	17.39				
5	256QAM	25	0	17.41	17.33	17.47				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.45	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	21.42				
3	QPSK	8	4	21.39	21.51	21.34	23	1		
3	QPSK	8	7	21.49	21.35	21.48				
3	16QAM	1	0	21.47	21.31	21.41				
3	16QAM	1	0	21.29	21.38	21.30				
3	16QAM	1	8	21.34	21.44	21.41	23	1		
3	16QAM	14	0	21.37	21.45	21.51				
3	16QAM	8	0	20.53	20.37	20.30				
3	16QAM	8	4	20.35	20.47	20.28	22	2		
3	16QAM	8	7	20.32	20.30	20.48				
3	16QAM	16	0	20.41	20.46	20.42				
3	64QAM	1	0	20.42	20.42	20.43	22	2		
3	64QAM	1	8	20.33	20.45	20.30				
3	64QAM	1	14	20.45	20.50	20.34				
3	64QAM	8	0	19.43	19.44	19.35				
3	64QAM	8	4	19.50	19.38	19.35	21	3		
3	64QAM	8	7	19.49	19.51	19.49				
3	64QAM	16	0	19.54	19.40	19.20				
3	256QAM	1	0	17.53	17.48	17.54				
3	256QAM	1	8	17.39	17.51	17.48	19	5		
3	256QAM	1	14	17.34	17.34	17.45				
3	256QAM	8	0	17.29	17.41	17.44				
3	256QAM	8	4	17.57	17.47	17.52	19	5		
3	256QAM	8	7	17.48	17.51	17.38				
3	256QAM	16	0	17.41	17.30	17.45				
Channel										
Frequency (MHz)										
14	QPSK	1	0	22.47	22.35	22.45				
14	QPSK	1	3	22.28	22.35	22.14	24	0		
14	QPSK	1	5	22.42	22.28	22.39				
14	QPSK	3	0	22.27	22.34	22.41				
14	QPSK	3	1	22.41	22.33	22.32				
14	QPSK	3	3	22.47	22.37	22.43	23	1		
14	QPSK	6	0	21.35	21.35	21.37				
14	16QAM	1	0	21.42	21.46	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	21.29				
14	16QAM	3	1	21.45	21.47	21.28				
14	16QAM	3	3	21.35	21.38	21.41	23	1		
14	16QAM	6	0	20.33	20.40	20.37	22	2		
14	64QAM	1	0	20.55	20.43	20.50				
14	64QAM	1	3	20.37	20.38	20.38				
14	64QAM	1	5	20.41	20.40	20.39	22	2		
14	64QAM	3	0	20.40	20.37	20.40				
14	64QAM	3	1	20.38	20.36	20.32				
14	64QAM	3	3	20.47	20.32	20.42	21	3		
14	64QAM	6	0	19.33	19.33	19.34				
14	256QAM	1	0	17.40	17.51	17.36				
14	256QAM	1	3	17.42	17.51	17.52				
14	256QAM	1	5	17.53	17.44	17.40	19	5		
14	256QAM	3	0	17.54	17.45	17.51				
14	256QAM	3	1	17.50	17.45	17.25				
14	256QAM	3	3	17.45	17.57	17.25	19	5		
14	256QAM	6	0	17.50	17.36	17.55				

Band 13 Ant 1 Default ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Tune-up (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		762	762.48			
10	QPSK	1	25		762	762.48		24	0
10	QPSK	1	49		762	762.48			
10	QPSK	25	0		751.54	751.54			
10	QPSK	25	12		751.48	751.48		23	1
10	QPSK	25	25		751.52	751.52			
10	QPSK	50	0		751.51	751.51			
10	16QAM	1	0		761.47	761.47		23	1
10	16QAM	1	25		761.45	761.45			
10	16QAM	1	49		761.35	761.35			
10	16QAM	25	0		750.51	750.51		22	2
10	16QAM	25	12		750.51	750.51			
10	16QAM	25	25		750.45	750.45			
10	16QAM	50	0		750.55	750.55			
10	64QAM	1	0		750.30	750.30		22	2
10	64QAM	1	25		750.45	750.45			
10	64QAM	1	49		750.41	750.41			
10	64QAM	25	0		749.47	749.47			
10	64QAM	25	12		749.35	749.35		21	3
10	64QAM	25	25		749.35	749.35			
10	64QAM	50	0		749.45	749.45			
10	256QAM	1	0		749.35	749.35			
10	256QAM	1	25		749.42	749.42		19	5
10	256QAM	1	49		749.35	749.35			
10	256QAM	25	0		749.35	749.35		19	5
10	256QAM	25	12		749.45	749.45			
10	256QAM	25	25		749.33	749.33			
10	256QAM	50	0		749.43	749.43			
Channel									
Frequency (MHz)									
5	QPSK	1	0	762.65	762.65	763.4			
5	QPSK	1	0	762.65	762.65	763.4			
5	QPSK	1	12	762.28	762.44	762.38		24	0
5	QPSK	1	25	762.38	762.44	762.38			
5	QPSK	12	0	751.33	751.34	751.42			
5	QPSK	12	0	751.38	751.44	751.33		23	1
5	QPSK	12	0	751.38	751.44	751.33			
5	QPSK	25	0	751.51	751.49	751.50			
5	16QAM	1	0	751.22	751.47	751.19			
5	16QAM	1	25	751.31	751.43	751.43		23	1
5	16QAM	12	0	750.44	750.30	750.23			
5	16QAM	12	0	750.44	750.30	750.23			
5	16QAM	12	12	750.35	750.21	750.45		22	2
5	16QAM	25	0	750.35	750.22	750.39			
5	16QAM	25	0	750.35	750.22	750.39			
5	64QAM	1	12	750.29	750.43	750.25		22	2
5	64QAM	1	24	750.39	750.42	750.34			
5	64QAM	12	7	750.49	750.38	750.32		21	3
5	256QAM	12	13	750.36	750.33	750.50			
5	256QAM	12	0	750.44	750.16	750.25			
5	256QAM	1	12	750.32	750.43	750.54			
5	256QAM	12	0	750.26	750.35	750.38		19	5
5	256QAM	12	0	750.37	750.34	750.33			
5	256QAM	12	7	750.48	750.26	750.45			

Band 25 Ant 1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Modulo Ch./Freq.	Power High Ch./Freq.	Turn-on time (sec)	APRS (dB)	APRS (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.56	22.61	22.50	24	0	0
20	QPSK	1	6	22.44	22.41	22.45		0	0
20	QPSK	1	9	22.51	22.35	22.41		0	0
20	QPSK	50	0	21.53	21.65	21.57		0	0
20	QPSK	50	24	21.48	21.54	21.40	23	1	1
20	QPSK	50	50	21.59	21.40	21.49		1	1
20	QPSK	100	0	21.62	21.65	21.55		1	1
20	QPSK	100	0	21.38	21.48	21.33		1	1
20	16QAM	1	49	21.52	21.56	21.47	23	1	1
20	16QAM	1	99	21.48	21.57	21.38		1	1
20	16QAM	50	0	20.68	20.50	20.38		2	2
20	16QAM	50	24	20.55	20.55	20.36		2	2
20	16QAM	50	50	20.49	20.53	20.58	22	2	2
20	16QAM	100	0	20.57	20.50	20.57		2	2
20	16QAM	1	0	20.56	20.40	20.45		2	2
20	16QAM	1	49	20.54	20.45	20.47		2	2
20	16QAM	1	99	20.54	20.50	20.43	21	3	3
20	16QAM	50	24	19.94	19.43	19.45		21	3
20	16QAM	50	50	19.57	19.54	19.50		21	3
20	16QAM	100	0	19.64	19.43	19.31		21	3
20	25QAM	1	0	17.65	17.70	17.47	19	5	5
20	25QAM	1	49	17.48	17.58	17.57		19	5
20	25QAM	1	99	17.43	17.44	17.57		19	5
20	25QAM	50	24	17.46	17.54	17.53		19	5
20	25QAM	50	50	17.67	17.54	17.53	19	5	5
20	25QAM	100	0	17.49	17.61	17.46		19	5
20	25QAM	100	0	17.59	17.62	17.55		19	5
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.49	22.65	22.36	24	0	0
15	QPSK	1	6	22.32	22.44	22.43		24	0
15	QPSK	1	74	22.42	22.36	22.45		24	0
15	QPSK	50	0	21.44	21.68	21.63		23	1
15	QPSK	50	24	21.44	21.48	21.47	23	1	1
15	QPSK	50	50	21.55	21.49	21.50		23	1
15	QPSK	100	0	21.50	21.47	21.63		23	1
15	16QAM	1	0	21.28	21.41	21.34		23	1
15	16QAM	1	37	21.49	21.58	21.52	23	1	1
15	16QAM	1	74	21.31	21.31	21.31		23	1
15	16QAM	36	0	20.44	20.44	20.44		22	2
15	16QAM	36	20	20.43	20.37	20.39		22	2
15	16QAM	50	0	20.43	20.63	20.57	22	2	2
15	16QAM	1	0	20.57	20.52	20.44		22	2
15	16QAM	1	49	20.48	20.45	20.44		22	2
15	16QAM	1	74	20.52	20.55	20.52		22	2
15	16QAM	36	0	19.50	19.56	19.54	21	3	3
15	16QAM	36	20	19.42	19.45	19.36		21	3
15	16QAM	36	50	19.50	19.43	19.56		21	3
15	16QAM	75	0	19.61	19.52	19.31		21	3
15	25QAM	1	0	17.64	17.56	17.44	19	5	5
15	25QAM	1	37	17.57	17.57	17.57		19	5
15	25QAM	1	74	17.37	17.48	17.50		19	5
15	25QAM	50	24	17.46	17.54	17.54		19	5
15	25QAM	50	50	17.66	17.55	17.55	19	5	5
15	25QAM	36	20	17.53	17.53	17.53		19	5
15	25QAM	100	0	17.43	17.46	17.46		19	5
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.50	22.54	22.48	24	0	0
10	QPSK	1	24	22.50	22.39	22.55		24	0
10	QPSK	1	49	22.37	22.37	22.43		24	0
10	QPSK	25	0	21.57	21.57	21.57		23	1
10	QPSK	25	12	21.47	21.67	21.47	23	1	1
10	QPSK	25	25	21.52	21.43	21.46		23	1
10	QPSK	50	0	21.47	21.63	21.47		23	1
10	16QAM	1	0	21.34	21.49	21.44		23	1
10	16QAM	1	25	21.42	21.58	21.49	23	1	1
10	16QAM	1	49	21.45	21.47	21.46		23	1
10	16QAM	25	0	20.61	20.52	20.44		22	2
10	16QAM	25	12	20.50	20.55	20.40		22	2
10	16QAM	36	0	20.43	20.43	20.44	22	2	2
10	16QAM	50	0	20.49	20.54	20.58		22	2
10	16QAM	1	0	20.47	20.47	20.45		22	2
10	16QAM	1	49	20.53	20.46	20.45		22	2
10	16QAM	1	49	20.53	20.46	20.45	21	3	3
10	16QAM	25	0	19.45	19.46	19.53		21	3
10	16QAM	25	12	19.51	19.51	19.48		21	3
10	16QAM	25	25	19.61	19.47	19.57		21	3
10	16QAM	50	0	19.63	19.45	19.39	19	5	5
10	25QAM	1	0	17.66	17.56	17.36		19	5
10	25QAM	1	25	17.47	17.57	17.63		19	5
10	25QAM	1	49	17.51	17.42	17.56		19	5
10	25QAM	50	24	17.42	17.54	17.54	19	5	5
10	25QAM	50	50	17.66	17.50	17.61		19	5
10	25QAM	25	12	17.56	17.56	17.51		19	5
10	25QAM	25	25	17.50	17.63	17.53		19	5
10	25QAM	50	0	17.50	17.41	17.67	19	5	5
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.50	22.54	22.48	24	0	0
5	QPSK	1	24	22.50	22.39	22.55		24	0
5	QPSK	1	49	22.37	22.37	22.43		24	0
5	QPSK	13	0	21.51	21.68	21.50		23	1
5	QPSK	12	7	21.48	21.60	21.41	23	1	1
5	QPSK	12	13	21.44	21.43	21.42		23	1
5	QPSK	25	0	21.56	21.43	21.48		23	1
5	16QAM	1	0	21.33	21.50	21.41		23	1
5	16QAM	1	12	21.45	21.47	21.51	23	1	1
5	16QAM	1	24	21.57	21.47	21.52		23	1
5	16QAM	12	0	20.63	20.52	20.42		22	2
5	16QAM	12	7	20.53	20.62	20.40		22	2
5	16QAM	12	13	20.43	20.43	20.35	22	2	2
5	16QAM	25	0	20.58	20.67	20.48		22	2
5	16QAM	1	0	20.49	20.37	20.54		22	2
5	16QAM	1	49	20.54	20.47	20.43		22	2
5	16QAM	1	24	20.54	20.50	20.50	21	3	3
5	16QAM	12	0	19.51	19.54	19.58		21	3
5	16QAM	12	7	19.60	19.35	19.41		21	3
5	16QAM	12	13	19.53	19.42	19.64		21	3
5	16QAM	25	0	19.60	19.41	19.26	19	5	5
5	25QAM	1	0	17.59	17.64	17.42		19	5
5	25QAM	1	12	17.48	17.62	17.60		19	5
5	25QAM	1	24	17.40	17.41	17.61		19	5
5	25QAM	12	0	17.54	17.53	17.57	19	5	5
5	25QAM	12	7	17.54	17.57	17.58		19	5
5	25QAM	12	13	17.46	17.58	17.41		19	5
5	25QAM	25	0	17.61	17.36	17.56		19	5
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.43	22.61	22.42	24	0	0
3	QPSK	1	6	22.39	22.58	22.52		24	0
3	QPSK	1	14	22.45	22.53	22.47		24	0
3	QPSK	3	0	21.43	21.65	21.65		23	1
3	QPSK	3	4	21.44	21.55	21.43	23	1	1
3	QPSK	3	7	21.57	21.46	21.42		23	1
3	QPSK	8	0	21.59	21.63	21.59		23	1
3	16QAM	1	0	21.32	21.51	21.36		23	1
3	16QAM	1	6	21.52	21.65	21.52	23	1	1
3	16QAM	1	14	21.47	21.58	21.61		23	1
3	16QAM	3	0	20.56	20.45	20.28		22	2
3	16QAM	3	4	20.47	20.52	20.48		22	2
3	16QAM	8	0	20.35	20.42	20.62	22	2	2
3	16QAM	16	0	20.48	20.57	20.53		22	2
3	16QAM	1	0	20.49	20.52	20.44		22	2
3	16QAM	1	24	20.43	20.55	20.42		22	2
3	16QAM	1	14	20.52	20.49	20.54	21	3	3
3	16QAM	3	0	19.60	19.58	19.52		21	3
3	16QAM	3	8	19.61	19.42	19.49		21	3
3	16QAM	8	7	19.67	19.45	19.56			



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				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	22.91	22.95	22.86	24	0				
20	QPSK	1	49	22.80	22.81	22.80						
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	23	1				
20	QPSK	50	50	21.81	21.80	21.82						
20	16QAM	1	0	21.74	21.85	21.68						
20	16QAM	1	49	21.87	21.85	21.84						
20	16QAM	1	99	21.94	21.89	21.93	22	2				
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						
20	64QAM	1	0	20.83	20.81	20.81	21	3				
20	64QAM	1	49	20.82	20.90	20.78						
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	19.84	19	5				
20	64QAM	50	50	19.89	19.77	20.02						
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	17.86						
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	50	100	17.82	17.85	18.03						
Channel				37825	38000	38175				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	22.85	22.88	22.67	24	0				
15	QPSK	1	37	22.81	22.82	22.83						
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						
15	16QAM	36	39	20.77	20.71	20.86	22	2				
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						
15	64QAM	1	74	20.80	20.88	20.70	22	2				
15	64QAM	36	0	19.80	19.74	19.88						
15	64QAM	36	20	19.95	19.86	19.65						
15	64QAM	36	39	19.97	19.73	19.98						
15	64QAM	75	0	19.87	19.79	19.69	21	3				
15	256QAM	1	0	17.96	17.94	17.79						
15	256QAM	1	37	17.83	17.91	18.00						
15	256QAM	1	74	17.68	17.85	17.87						
15	256QAM	36	0	17.80	17.75	17.93	19	5				
15	256QAM	36	20	17.93	17.76	17.93						
15	256QAM	36	39	17.78	17.83	17.76						
15	256QAM	75	0	17.81	17.75	17.99						
Channel				37800	38000	38200	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	22.71	22.82	22.77	24	0				
10	QPSK	1	25	22.76	22.88	22.79						
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	23	1				
10	QPSK	25	25	21.77	21.77	21.77						
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	21.86	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						
10	64QAM	1	49	20.81	20.86	20.79	22	2				
10	64QAM	25	0	19.83	19.74	19.89						
10	64QAM	25	12	19.94	19.81	19.81						
10	64QAM	25	25	19.96	19.80	19.95						
10	64QAM	50	0	19.88	19.79	19.61	21	3				
10	256QAM	1	0	17.95	17.98	17.64						
10	256QAM	1	25	17.87	17.90	18.01						
10	256QAM	1	49	17.68	17.72	17.84						
10	256QAM	25	0	17.84	17.80	17.92	19	5				
10	256QAM	25	12	17.95	17.76	17.89						
10	256QAM	25	25	17.80	17.84	17.70						
10	256QAM	50	0	17.82	17.84	17.90						
Channel				37775	38000	38225	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	22.80	22.84	22.66	24	0				
5	QPSK	1	12	22.85	22.75	22.73						
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	22	2				
5	64QAM	1	12	20.70	20.74	20.70						
5	64QAM	12	0	19.79	19.78	19.76						
5	64QAM	12	7	19.99	19.83	19.66						
5	64QAM	12	13	19.85	19.79	19.89	21	3				
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						
5	256QAM	1	24	17.75	17.81	17.83	19	5				
5	256QAM	12	0	17.71	17.81	17.92						
5	256QAM	12	7	17.90	17.76	17.85						
5	256QAM	12	13	17.81	17.88	17.79						
5	256QAM	25	0	17.90	17.70	17.92	19	5				

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		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
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 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									
Band	WCDMA II Ant 2			Tune-up Limit (dBm)	WCDMA IV Ant 2			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	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 2 Ant 2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Max Ch./F.Freq.	Turn-up (dB)	APRS (dB)	Turn-off (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.48	22.49	22.48			
20	QPSK	1	8	22.50	22.51	22.50	24	0	
20	QPSK	1	16	22.52	22.53	22.52			
20	QPSK	1	24	22.54	22.55	22.54			
20	QPSK	1	32	22.56	22.57	22.56			
20	QPSK	1	40	22.58	22.59	22.58			
20	QPSK	1	48	22.60	22.61	22.60			
20	QPSK	1	56	22.62	22.63	22.62			
20	QPSK	1	64	22.64	22.65	22.64			
20	QPSK	1	72	22.66	22.67	22.66			
20	QPSK	1	80	22.68	22.69	22.68			
20	QPSK	1	88	22.70	22.71	22.70			
20	QPSK	1	96	22.72	22.73	22.72			
20	QPSK	1	104	22.74	22.75	22.74			
20	QPSK	1	112	22.76	22.77	22.76			
20	QPSK	1	120	22.78	22.79	22.78			
20	QPSK	1	128	22.80	22.81	22.80			
20	QPSK	1	136	22.82	22.83	22.82			
20	QPSK	1	144	22.84	22.85	22.84			
20	QPSK	1	152	22.86	22.87	22.86			
20	QPSK	1	160	22.88	22.89	22.88			
20	QPSK	1	168	22.90	22.91	22.90			
20	QPSK	1	176	22.92	22.93	22.92			
20	QPSK	1	184	22.94	22.95	22.94			
20	QPSK	1	192	22.96	22.97	22.96			
20	QPSK	1	200	22.98	22.99	22.98			
20	QPSK	1	208	23.00	23.01	23.00			
20	QPSK	1	216	23.02	23.03	23.02			
20	QPSK	1	224	23.04	23.05	23.04			
20	QPSK	1	232	23.06	23.07	23.06			
20	QPSK	1	240	23.08	23.09	23.08			
20	QPSK	1	248	23.10	23.11	23.10			
20	QPSK	1	256	23.12	23.13	23.12			
20	QPSK	1	264	23.14	23.15	23.14			
20	QPSK	1	272	23.16	23.17	23.16			
20	QPSK	1	280	23.18	23.19	23.18			
20	QPSK	1	288	23.20	23.21	23.20			
20	QPSK	1	296	23.22	23.23	23.22			
20	QPSK	1	304	23.24	23.25	23.24			
20	QPSK	1	312	23.26	23.27	23.26			
20	QPSK	1	320	23.28	23.29	23.28			
20	QPSK	1	328	23.30	23.31	23.30			
20	QPSK	1	336	23.32	23.33	23.32			
20	QPSK	1	344	23.34	23.35	23.34			
20	QPSK	1	352	23.36	23.37	23.36			
20	QPSK	1	360	23.38	23.39	23.38			
20	QPSK	1	368	23.40	23.41	23.40			
20	QPSK	1	376	23.42	23.43	23.42			
20	QPSK	1	384	23.44	23.45	23.44			
20	QPSK	1	392	23.46	23.47	23.46			
20	QPSK	1	400	23.48	23.49	23.48			
20	QPSK	1	408	23.50	23.51	23.50			
20	QPSK	1	416	23.52	23.53	23.52			
20	QPSK	1	424	23.54	23.55	23.54			
20	QPSK	1	432	23.56	23.57	23.56			
20	QPSK	1	440	23.58	23.59	23.58			
20	QPSK	1	448	23.60	23.61	23.60			
20	QPSK	1	456	23.62	23.63	23.62			
20	QPSK	1	464	23.64	23.65	23.64			
20	QPSK	1	472	23.66	23.67	23.66			
20	QPSK	1	480	23.68	23.69	23.68			
20	QPSK	1	488	23.70	23.71	23.70			
20	QPSK	1	496	23.72	23.73	23.72			
20	QPSK	1	504	23.74	23.75	23.74			
20	QPSK	1	512	23.76	23.77	23.76			
20	QPSK	1	520	23.78	23.79	23.78			
20	QPSK	1	528	23.80	23.81	23.80			
20	QPSK	1	536	23.82	23.83	23.82			
20	QPSK	1	544	23.84	23.85	23.84			
20	QPSK	1	552	23.86	23.87	23.86			
20	QPSK	1	560	23.88	23.89	23.88			
20	QPSK	1	568	23.90	23.91	23.90			
20	QPSK	1	576	23.92	23.93	23.92			
20	QPSK	1	584	23.94	23.95	23.94			
20	QPSK	1	592	23.96	23.97	23.96			
20	QPSK	1	600	23.98	23.99	23.98			
20	QPSK	1	608	24.00	24.01	24.00			
20	QPSK	1	616	24.02	24.03	24.02			
20	QPSK	1	624	24.04	24.05	24.04			
20	QPSK	1	632	24.06	24.07	24.06			
20	QPSK	1	640	24.08	24.09	24.08			
20	QPSK	1	648	24.10	24.11	24.10			
20	QPSK	1	656	24.12	24.13	24.12			
20	QPSK	1	664	24.14	24.15	24.14			
20	QPSK	1	672	24.16	24.17	24.16			
20	QPSK	1	680	24.18	24.19	24.18			
20	QPSK	1	688	24.20	24.21	24.20			
20	QPSK	1	696	24.22	24.23	24.22			
20	QPSK	1	704	24.24	24.25	24.24			
20	QPSK	1	712	24.26	24.27	24.26			
20	QPSK	1	720	24.28	24.29	24.28			
20	QPSK	1	728	24.30	24.31	24.30			
20	QPSK	1	736	24.32	24.33	24.32			
20	QPSK	1	744	24.34	24.35	24.34			
20	QPSK	1	752	24.36	24.37	24.36			
20	QPSK	1	760	24.38	24.39	24.38			
20	QPSK	1	768	24.40	24.41	24.40			
20	QPSK	1	776	24.42	24.43	24.42			
20	QPSK	1	784	24.44	24.45	24.44			
20	QPSK	1	792	24.46	24.47	24.46			
20	QPSK	1	800	24.48	24.49	24.48			
20	QPSK	1	808	24.50	24.51	24.50			
20	QPSK	1	816	24.52	24.53	24.52			
20	QPSK	1	824	24.54	24.55	24.54			
20	QPSK	1	832	24.56	24.57	24.56			
20	QPSK	1	840	24.58	24.59	24.58			
20	QPSK	1	848	24.60	24.61	24.60			
20	QPSK	1	856	24.62	24.63	24.62			
20	QPSK	1	864	24.64	24.65	24.64			
20	QPSK	1	872	24.66	24.67	24.66			
20	QPSK	1	880	24.68	24.69	24.68			
20	QPSK	1	888	24.70	24.71	24.70			
20	QPSK	1	896	24.72	24.73	24.72			
20	QPSK	1	904	24.74	24.75	24.74			
20	QPSK	1	912	24.76	24.77	24.76			
20	QPSK	1	920	24.78	24.79	24.78			
20	QPSK	1	928	24.80	24.81	24.80			
20	QPSK	1	936	24.82	24.83	24.82			
20	QPSK	1	944	24.84	24.85	24.84			
20	QPSK	1	952	24.86	24.87	24.86			
20	QPSK	1	960	24.88	24.89	24.88			
20	QPSK	1	968	24.90	24.91	24.90			
20	QPSK	1	976	24.92	24.93	24.92			
20	QPSK	1	984	24.94	24.95	24.94			
20	QPSK	1	992	24.96	24.97	24.96			
20	QPSK	1	1000	24.98	24.99	24.98			
20	QPSK	1	1008	25.00	25.01	25.00			
20	QPSK	1	1016	25.02	25.03	25.02			
20	QPSK	1	1024	25.04	25.05	25.04			
20	QPSK	1	1032	25.06	25.07	25.06			
20	QPSK	1	1040	25.08	25.09	25.08			
20	QPSK	1	1048	25.10	25.11	25.10			
20	QPSK	1	1056	25.12	25.13	25.12			
20	QPSK	1	1064	25.14	25.15	25.14			
20	QPSK	1	1072	25.16	25.17	25.16			
20	QPSK	1	1080	25.18	25.19	25.18			
20	QPSK	1	1088	25.20	25.21	25.20			
20	QPSK	1	1096	25.22	25.23	25.22			
20	QPSK	1	1104	25.24	25.25	25.24			
20	QPSK	1	1112	25.26	25.27	25.26			
20	QPSK	1	1120	25.28	25.29	25.28			
20	QPSK	1	1128	25.30	25.31	25.30			
20	QPSK	1	1136	25.32	25.33	25.32			
20	QPSK	1	1144	25.34	25.35	25.34			
20	QPSK	1	1152	25.36	25.37	25.36			
20	QPSK	1	1160	25.38	25.39	25.38			
20	QPSK	1	1168	25.40	25.41	25.40			
20	QPSK	1	1176	25.42	25.43	25.42			
20	QPSK	1	1184	25.44	25.45	25.44			
20	QPSK	1	1192	25.46	25.47	25.46			
20	QPSK	1	1200	25.48	25.49	25.48			
20	QPSK	1	1208	25.50	25.51	25.50			
20	QPSK	1	1216	25.52	25.53	25.52			
20	QPSK	1	1224	25.54	25.55	25.54			
20	QPSK	1	1232	25.56	25.57	25.56			
20	QPSK	1	1240	25.58	25.59	25.58			
20	QPSK	1	1248	25.60	25.61	25.60			
20	QPSK	1	1256	25.62	25.63	25.62			
20	QPSK	1	1264	25.64	25.65	25.64			</



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	24	0	
20	QPSK	1	49	22.52	22.52	22.46			
20	QPSK	1	99	22.50	22.61	22.64			
20	QPSK	50	0	21.58	21.69	21.61	23	1	
20	QPSK	50	24	21.54	21.58	21.55			
20	QPSK	50	50	21.57	21.66	21.50			
20	QPSK	100	0	21.59	21.65	21.55	22	2	
20	16QAM	1	0	21.44	21.44	21.42			
20	16QAM	1	49	21.51	21.61	21.47			
20	16QAM	1	99	21.45	21.59	21.58	21	3	
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	19	5	
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	19.61	19.79	21	3	
20	64QAM	50	50	19.70	19.60	19.71			
20	64QAM	100	0	19.46	19.64	19.47			
20	256QAM	1	0	17.74	17.68	17.79	19	5	
20	256QAM	1	49	17.66	17.64	17.69			
20	256QAM	1	99	17.49	17.59	17.56			
20	256QAM	50	0	17.41	17.58	17.39	19	5	
20	256QAM	50	24	17.66	17.62	17.66			
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)				2577.5	2595	2612.5			
15	QPSK	1	0	22.43	22.52	22.49	24	0	
15	QPSK	1	37	22.40	22.54	22.34			
15	QPSK	1	74	22.49	22.51	22.63			
15	QPSK	36	0	21.44	21.58	21.48	23	1	
15	QPSK	36	20	21.41	21.43	21.54			
15	QPSK	36	39	21.59	21.43	21.42			
15	QPSK	75	0	21.57	21.51	21.56	23	1	
15	16QAM	1	0	21.32	21.41	21.30			
15	16QAM	1	37	21.46	21.52	21.42			
15	16QAM	1	74	21.37	21.44	21.43	22	2	
15	16QAM	36	0	20.62	20.49	20.55			
15	16QAM	36	20	20.37	20.44	20.41			
15	16QAM	36	39	20.27	20.31	20.46	22	2	
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	19	5	
15	256QAM	1	37	17.55	17.60	17.50			
15	256QAM	1	74	17.48	17.49	17.33			
15	256QAM	36	0	17.38	17.39	17.43	19	5	
15	256QAM	36	20	17.48	17.56	17.49			
15	256QAM	36	39	17.59	17.45	17.52			
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	24	0	
10	QPSK	1	25	22.40	22.42	22.42			
10	QPSK	1	49	22.43	22.53	22.57			
10	QPSK	25	0	21.47	21.53	21.58	23	1	
10	QPSK	25	12	21.43	21.50	21.53			
10	QPSK	25	25	21.59	21.43	21.43			
10	QPSK	50	0	21.53	21.58	21.57	23	1	
10	16QAM	1	0	21.27	21.38	21.31			
10	16QAM	1	25	21.41	21.46	21.39			
10	16QAM	1	49	21.44	21.47	21.49	22	2	
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	19	5	
10	256QAM	1	25	17.49	17.50	17.49			
10	256QAM	1	49	17.38	17.47	17.34			
10	256QAM	25	0	17.40	17.38	17.31	19	5	
10	256QAM	25	12	17.54	17.63	17.60			
10	256QAM	25	25	17.47	17.51	17.42			
10	256QAM	50	0	17.65	17.57	17.57			
Channel				37775	38000	38225	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.49	22.62	22.61	24	0	
5	QPSK	1	12	22.38	22.43	22.41			
5	QPSK	1	24	22.46	22.44	22.66			
5	QPSK	12	0	21.53	21.61	21.47	23	1	
5	QPSK	12	7	21.51	21.48	21.48			
5	QPSK	12	13	21.50	21.41	21.49			
5	QPSK	25	0	21.64	21.62	21.60	23	1	
5	16QAM	1	0	21.26	21.33	21.25			
5	16QAM	1	12	21.43	21.55	21.48			
5	16QAM	1	24	21.38	21.49	21.40	22	2	
5	16QAM	12	0	20.53	20.56	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	21	3	
5	64QAM	12	13	19.60	19.61	19.57			
5	64QAM	25	0	19.39	19.54	19.41			
5	256QAM	1	0	17.53	17.55	17.58	19	5	
5	256QAM	1	12	17.47	17.60	17.49			
5	256QAM	1	24	17.50	17.54	17.46			
5	256QAM	12	0	17.34	17.46	17.31	19	5	
5	256QAM	12	7	17.60	17.53	17.51			
5	256QAM	12	13	17.47	17.56	17.50			
5	256QAM	25	0	17.55	17.61	17.50			

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	23	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	21.52	21.63	21.48	22	1		
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	21	2		
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	20	3		
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	18	5		
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	23	0		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	21.48	21.50	21.52	22	1		
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	23	0		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	21.51	21.51	21.44	22	0		
10	QPSK	1	25	21.57	21.45	21.47				
10	QPSK	1	49	21.55	21.62	21.61				
10	QPSK	25	0	20.57	20.62	20.60	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	22	1		
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	23	0		
Frequency (MHz)				2502.5	2535	2567.5 <th colspan="2"></th>				
5	QPSK	1	0	21.58	21.53	21.40	22	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	22	1		
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	18		5	
5	256QAM	1	0	16.80	16.70	16.82				
5	256QAM	1	12	16.63	16.56	16.76				
5	256QAM	1	24	16.41	16.63	16.50	18	5		
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	16.63	18	5		
5	256QAM	25	0	16.79	16.60	16.57				



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	23	0		
20	QPSK	1	49	21.49	21.47	21.41				
20	QPSK	1	99	21.40	21.46	21.42				
20	QPSK	50	0	20.59	20.65	20.56	22	1		
20	QPSK	50	24	20.51	20.63	20.57				
20	QPSK	50	50	20.51	20.39	20.47				
20	QPSK	100	0	20.61	20.62	20.58	22	1		
20	16QAM	1	0	20.47	20.51	20.36				
20	16QAM	1	49	20.52	20.63	20.44				
20	16QAM	1	99	20.44	20.66	20.51	21	2		
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	18.85	20	3		
20	64QAM	50	50	18.70	18.64	18.71				
20	64QAM	100	0	18.40	18.68	18.40				
20	256QAM	1	0	16.78	16.62	16.82	18	5		
20	256QAM	1	49	16.72	16.70	16.74				
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	16.63	16.55	16.68				
20	256QAM	50	50	16.77	16.64	16.49				
20	256QAM	100	0	16.80	16.70	16.69	Time-up limit (dBm)	MPR (dB)		
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	23	0		
15	QPSK	1	37	21.46	21.34	21.30				
15	QPSK	1	74	21.44	21.43	21.50				
15	QPSK	36	0	20.50	20.59	20.59	22	1		
15	QPSK	36	20	20.38	20.43	20.42				
15	QPSK	36	39	20.46	20.32	20.44				
15	QPSK	75	0	20.48	20.49	20.42	22	1		
15	16QAM	1	0	20.38	20.28	20.27				
15	16QAM	1	37	20.46	20.57	20.34				
15	16QAM	1	74	20.32	20.48	20.50	21	2		
15	16QAM	36	0	19.43	19.55	19.38				
15	16QAM	36	20	19.36	19.52	19.26				
15	16QAM	36	39	19.27	19.25	19.47	21	2		
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	18	5		
15	256QAM	1	37	16.50	16.56	16.52				
15	256QAM	1	74	16.38	16.46	16.39				
15	256QAM	36	0	16.27	16.47	16.23	18	5		
15	256QAM	36	20	16.59	16.52	16.54				
15	256QAM	36	39	16.52	16.54	16.36				
15	256QAM	75	0	16.69	16.61	16.60	Time-up limit (dBm)	MPR (dB)		
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	23	0		
10	QPSK	1	25	21.35	21.49	21.38				
10	QPSK	1	49	21.39	21.48	21.50				
10	QPSK	25	0	20.56	20.67	20.57	22	1		
10	QPSK	25	12	20.42	20.56	20.52				
10	QPSK	25	25	20.49	20.31	20.40				
10	QPSK	50	0	20.48	20.61	20.46	22	1		
10	16QAM	1	0	20.38	20.28	20.24				
10	16QAM	1	25	20.36	20.45	20.43				
10	16QAM	1	49	20.37	20.57	20.53	21	2		
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	18	5		
10	256QAM	1	25	16.51	16.53	16.55				
10	256QAM	1	49	16.47	16.54	16.51				
10	256QAM	25	0	16.26	16.42	16.24	18	5		
10	256QAM	25	12	16.56	16.56	16.56				
10	256QAM	25	25	16.59	16.41	16.49				
10	256QAM	50	0	16.66	16.62	16.50	Time-up limit (dBm)	MPR (dB)		
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	23	0		
5	QPSK	1	12	21.41	21.37	21.29				
5	QPSK	1	24	21.47	21.44	21.45				
5	QPSK	12	0	20.45	20.65	20.49	22	1		
5	QPSK	12	7	20.43	20.45	20.47				
5	QPSK	12	13	20.51	20.44	20.33				
5	QPSK	25	0	20.51	20.52	20.39	22	1		
5	16QAM	1	0	20.26	20.30	20.32				
5	16QAM	1	12	20.45	20.49	20.38				
5	16QAM	1	24	20.38	20.42	20.52	21	2		
5	16QAM	12	0	19.44	19.51	19.39				
5	16QAM	12	7	19.22	19.46	19.34				
5	16QAM	12	13	19.33	19.30	19.47	21	2		
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	18	5		
5	256QAM	1	12	16.50	16.56	16.58				
5	256QAM	1	24	16.31	16.46	16.52				
5	256QAM	12	0	16.23	16.43	16.34	18	5		
5	256QAM	12	7	16.61	16.58	16.54				
5	256QAM	12	13	16.52	16.45	16.39				
5	256QAM	25	0	16.69	16.53	16.62	Time-up limit (dBm)	MPR (dB)		

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		
20	QPSK	1	99	22.63	22.57	22.65	24	0
20	QPSK	50	0	21.63	21.74	21.59	23	1
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		
20	16QAM	1	0	21.37	21.47	21.44	23	1
20	16QAM	1	49	21.43	21.54	21.64		
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	19.83	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		
20	256QAM	1	99	17.58	17.57	17.66	19	5
20	256QAM	50	0	17.55	17.51	17.57		
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				42165	42590	43015		
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	22.64	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		
15	16QAM	36	39	20.49	20.41	20.34	22	2
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		
15	64QAM	1	74	20.33	20.42	20.32	22	2
15	64QAM	36	0	19.53	19.46	19.54		
15	64QAM	36	20	19.64	19.66	19.65		
15	64QAM	36	39	19.66	19.53	19.51		
15	64QAM	75	0	19.45	19.38	19.38	21	3
15	256QAM	1	0	17.67	17.58	17.64		
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	5
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	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		
10	QPSK	1	49	22.63	22.53	22.65	24	0
10	QPSK	25	0	21.58	21.59	21.49		
10	QPSK	25	12	21.46	21.55	21.50		
10	QPSK	25	25	21.37	21.38	21.32		
10	QPSK	50	0	21.55	21.56	21.43	23	1
10	16QAM	1	0	21.27	21.31	21.38		
10	16QAM	1	25	21.31	21.44	21.41		
10	16QAM	1	49	21.44	21.53	21.45		
10	16QAM	25	0	20.64	20.68	20.55	22	2
10	16QAM	25	12	20.36	20.35	20.37		
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	22	2
10	64QAM	1	25	20.36	20.40	20.44		
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		
10	256QAM	25	25	17.38	17.51	17.54	19	5
10	256QAM	50	0	17.48	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	24	0
5	QPSK	1	12	22.49	22.61	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	21.35	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	20.38	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		
5	64QAM	1	24	20.34	20.45	20.32	22	2
5	64QAM	12	0	19.50	19.43	19.43		
5	64QAM	12	7	19.70	19.68	19.73		
5	64QAM	12	13	19.75	19.51	19.47		
5	64QAM	25	0	19.49	19.46	19.39	21	3
5	256QAM	1	0	17.63	17.52	17.62		
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	5
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 DS12

GSM850 Ant 0 DS12								
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel	128	198	251		128	198	251	
Frequency (MHz)	854.2	856.4	848.8		854.2	856.4	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 slot	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	28.18	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	18.65	17.45	17.71	18.00
EDGE 2 Tx slots	24.67	25.48	25.28	26.00	18.67	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	18.52	19.24	19.21	20.00

WCDMA V Ant 0 DS12				
Band	WCDMA V Ant 0			Tune-up Limit (dBm)
Tx Channel	4152	4192	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	836.4	836.4	846.5	
3GPP Rel 99 AMR 12.2kbps	22.53	22.62	22.56	24.00
3GPP Rel 99 RMC 12.2kbps	22.55	22.55	22.83	24.00
3GPP Rel 6 HSDPA Subtest-1	21.97	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	21.05	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 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				2050	2052	2053			
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	21.66	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	21.61	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	64QAM	1	0	20.63	20.61	20.68			
10	64QAM	1	25	20.60	20.57	20.58		22	2
10	64QAM	1	49	20.65	20.58	20.56			
10	64QAM	25	0	19.59	19.56	19.66			
10	64QAM	25	12	19.67	19.65	19.53			
10	64QAM	25	25	19.65	19.67	19.66		21	3
10	64QAM	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	17.65	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				20425	20529	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.49	22.54	22.54			
5	QPSK	1	19	22.45	22.49	22.39		24	0
5	QPSK	1	24	22.40	22.35	22.47			
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	20.56	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	64QAM	1	0	20.45	20.57	20.63			
5	64QAM	1	12	20.47	20.48	20.55		22	2
5	64QAM	1	24	20.51	20.42	20.39			
5	64QAM	12	0	19.47	19.40	19.59			
5	64QAM	12	7	19.61	19.57	19.45		21	3
5	64QAM	12	13	19.56	19.47	19.59			
5	64QAM	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				20515	20525	20535	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				835.5	839.5	847.5			
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	22.36	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	21.50	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	20.53			
3	16QAM	8	4	20.54	20.59	20.46		22	2
3	16QAM	8	7	20.46	20.54	20.58			
3	16QAM	15	0	20.51	20.61	20.59			
3	64QAM	1	0	20.50	20.56	20.59			
3	64QAM	1	8	20.51	20.39	20.54		22	2
3	64QAM	1	14	21.44	21.50	21.41			
3	64QAM	8	0	19.55	19.49	19.60			
3	64QAM	8	4	19.57	19.59	19.41		21	3
3	64QAM	8	7	19.50	19.52	19.48			
3	64QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.56	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	17.53	17.48	17.60			
Channel				20497	20522	20542	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	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	5	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	64QAM	1	0	20.59	20.54	20.63			
1.4	64QAM	1	3	20.42	20.54	20.58			
1.4	64QAM	1	5	20.57	20.46	20.50		22	2
1.4	64QAM	3	0	20.52	20.52	20.45			
1.4	64QAM	3	1	20.52	20.53	20.47			
1.4	64QAM	3	3	20.52	20.49	20.50		21	3
1.4	64QAM	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	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				2080	2110	2150			
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	21.62	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		23	1
20	16QAM	1	49	21.48	21.50	21.50			
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	64QAM	1	0	20.60	20.56	20.57			
20	64QAM	1	49	20.55	20.44	20.49		22	2
20	64QAM	1	99	20.59	20.40	20.42			
20	64QAM	50	0	19.44	19.38	19.60			
20	64QAM	50	24	19.52	19.57	19.41		21	3
20	64QAM	50	50	19.54	19.54	19.57			
20	64QAM	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	5
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	5
20	256QAM	100	0	17.54	17.44	17.63			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.52	22.51	22.51			
15	QPSK	1	49	22.51	22.51	22.33		24	0
15	QPSK	1	74	22.52	22.31	22.53			
15	QPSK	50	0	21.58	21.68	21.53			
15	QPSK	50	24	21.59	21.55	21.50		23	1
15	QPSK	50	50	21.50	21.50	21.40			
15	QPSK	36	39	21.56	21.52	21.41			
15	QPSK	75	0	21.55	21.60	21.52		23	1
15	16QAM	1	0	21.49	21.50	21.32			
15	16QAM	1	37	21.47	21.39	21.52			
15	16QAM	1	74	21.47	21.47	21.41		23	1
15	16QAM	36	39	20.81	20.57	20.57			
15	16QAM	36	20	20.63	20.64	20.51		22	2
15	16QAM	36	39	20.41	20.47	20.57			
15	16QAM	75	0	20.44	20.60	20.57			
15	64QAM	1	0	20.59	20.47	20.57			
15	64QAM	1	37	20.55	20.35	20.50		22	2
15	64QAM	1	74	20.62	20.45	20.41			
15	64QAM	36	0	19.56	19.51	19.54			
15	64QAM	36	20	19.65	19.59	19.40		21	3
15	64QAM	36	39	19.51	19.50	19.50			
15	64QAM	75	0	19.54	19.54	19.54			
15	256QAM	1	0	17.51	17.57	17.42			
15	256QAM	1	37	17.58	17.58	17.52		19	5
15	256QAM	1	74	17.52	17.54	17.56			
15	256QAM	36	0	17.52	17.58	17.56			
15	256QAM	36	20	17.50	17.62	17.52		19	5
15	256QAM	36	39	17.68	17.68	17.47			
15	256QAM	75	0	17.50	17.52	17.52			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.51	22.53	22.50			
10	QPSK	1	25	22.33	22.45	22.36		24	0
10	QPSK	1	49	22.39	22.34	22.53			
10	QPSK	50	0	21.51	21.55	21.51		23	1
10	QPSK	50	25	21.43	21.51	21.47			
10	QPSK	50	50	21.62	21.50	21.45			
10	16QAM	1	0	21.55	21.49	21.43		23	1
10	16QAM	1	25	21.42	21.55	21.43			
10	16QAM	1	49	21.51	21.51	21.46			
10	16QAM	25	0	20.51	20.49	20.51			
10	16QAM	25	12	20.66	20.51	20.40		22	2
10	16QAM	25	25	20.53	20.55	20.61			
10	16QAM	50	0	20.47	20.53	20.49			
10	16QAM	50	12	20.58	20.58	20.63			
10	64QAM	1	25	20.57	20.51	20.50		22	2
10	64QAM	1	49	20.47	20.44	20.47			
10	64QAM	25	0	19.41	19.52	19.55			
10	64QAM	25	12	19.52	19.55	19.49		21	3
10	64QAM	25	25	19.50	19.47	19.54			
10	256QAM	1	0	19.44	19.44	19.46			
10	256QAM	1	25	17.50	17.67	17.40			
10	256QAM	1	25	17.48	17.50	17.56		19	5
10	256QAM	1	49	17.57	17.53	17.49			
10	256QAM	25	0	17.58	17.45	17.51			
10	256QAM	25	12	17.64	17.64	17.50		19	5
10	256QAM	25	25	17.51	17.57	17.51			
10	256QAM	50	0	17.44	17.40	17.53			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.44	22.57	22.50			
5	QPSK	1	12	22.42	22.56	22.43		24	0
5	QPSK	1	24	22.44	22.37	22.46			
5	QPSK	12	0	21.56	21.61	21.81			
5	QPSK	12	7	21.54	21.49	21.44			
5	QPSK	12	13	21.52	21.41	21.48		23	1
5	QPSK	25	0	21.57	21.49	21.55			
5	16QAM	1	0	21.46	21.56	21.43			
5	16QAM	1	12	21.45	21.54	21.41		23	1
5	16QAM	1	24	21.54	21.53	21.47			
5	16QAM	12	0	20.55	20.59	20.44			
5	16QAM	12	7	20.53	20.49	20.52		22	2
5	16QAM	12	13	20.48	20.48	20.50			
5	16QAM	25	0	20.51	20.51	20.50			
5	16QAM	25	12	20.52	20.50	20.55		22	2
5	64QAM	1	12	20.45	20.54	20.50			
5	64QAM	1	24	20.49	20.42	20.46			
5	64QAM	12	0	19.57	19.39	19.62			
5	64QAM	12	7	19.52	19.59	19.46		21	3
5	64QAM	12	13	19.52	19.52	19.52			
5	64QAM	25	0	19.53	19.43	19.39			
5	256QAM	1	0	17.50	17.58	17.51			
5	256QAM	1	12	17.55	17.51	17.58		19	5
5	256QAM	1	24	17.51	17.51	17.49			
5	256QAM	12	0	17.56	17.52	17.51			
5	256QAM	12	7	17.54	17.51	17.44			
5	256QAM	12	13	17.52	17.66	17.53		19	5
5	256QAM	25	0	17.56	17.51	17.52			

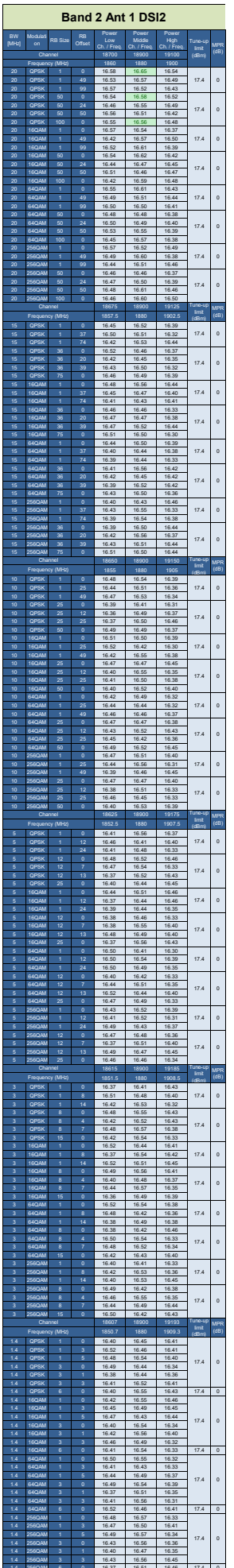
Band 13 Ant 0 DSI2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				762					
Frequency (MHz)				762					
10	QPSK	1	0		22.71		24	0	
10	QPSK	1	25		22.60				
10	QPSK	1	49		22.38				
10	QPSK	25	0		21.61				
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		21.50				
10	16QAM	25	0		20.88				
10	16QAM	25	12		20.87				
10	16QAM	25	25		20.54		22	2	
10	16QAM	50	0		20.56				
10	64QAM	1	0		20.69				
10	64QAM	1	25		20.54				
10	64QAM	1	49		20.58		22	2	
10	64QAM	25	0		19.49				
10	64QAM	25	12		19.57				
10	64QAM	25	25		19.59				
10	256QAM	1	0		17.67		19	5	
10	256QAM	1	25		17.64				
10	256QAM	1	49		17.67				
10	256QAM	25	0		17.67				
10	256QAM	25	12		17.73		19	5	
10	256QAM	25	25		17.73				
10	256QAM	25	25		17.69				
10	256QAM	50	0		17.55				
Channel				23205 23230 23255			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5 762 764.5					
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		
5	QPSK	12	13		22.42	22.53	22.61	23	1
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		
5	16QAM	1	24		21.41	21.46	21.42	23	1
5	16QAM	12	0		21.49	21.48	21.36		
5	16QAM	12	7		21.54	21.56	21.44		
5	16QAM	12	13		21.43	21.60	21.50		
5	16QAM	25	0		20.50	20.41	20.52	22	2
5	16QAM	25	0		20.50	20.41	20.52		
5	64QAM	1	0		20.60	20.56	20.68		
5	64QAM	1	12		20.47	20.55	20.49		
5	64QAM	1	24		20.63	20.46	20.47	22	2
5	64QAM	12	0		20.59	20.58	20.48		
5	64QAM	12	7		20.59	20.50	20.49		
5	64QAM	12	13		20.48	20.52	20.46		
5	64QAM	25	0		19.50	19.56	19.45	21	3
5	256QAM	1	0		17.57	17.57	17.44		
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	19	5
5	256QAM	12	7		17.55	17.56	17.46		
5	256QAM	12	13		17.53	17.61	17.53		
5	256QAM	25	0		17.42	17.47	17.63		

Band 17 Ant 0 DSI2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760 23790 23820					
Frequency (MHz)				711					
10	QPSK	1	0	22.61	22.67	22.58	24	0	
10	QPSK	1	25	22.42	22.60	22.54			
10	QPSK	1	49	22.59	22.45	22.51			
10	QPSK	25	0	21.57	21.65	21.64			
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	21.58	21.55	21.59	23	1	
10	16QAM	1	49	21.63	21.54	21.61			
10	16QAM	25	0	20.85	20.86	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	64QAM	1	0	20.67	20.56	20.65			
10	64QAM	1	25	20.57	20.58	20.54			
10	64QAM	1	49	20.66	20.66	20.52	22	2	
10	64QAM	25	0	19.60	19.58	19.62			
10	64QAM	25	12	19.71	19.61	19.54			
10	64QAM	25	25	19.66	19.55	19.71			
10	256QAM	1	0	19.75	19.53	19.50	19	5	
10	256QAM	1	0	17.70	17.67	17.58			
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	19	5	
10	256QAM	25	12	17.75	17.59	17.59			
10	256QAM	25	25	17.68	17.72	17.63			
10	256QAM	50	0	17.63	17.56	17.70			
Channel				23765 23790 23825			Tune-up limit (dBm)		
Frequency (MHz)				708.5 710 713.5					
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	21.63			
5	QPSK	12	7	21.54	21.52	21.45			
5	QPSK	12	13	21.55	21.41	21.55	23	1	
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			
5	16QAM	1	24	21.58	21.57	21.44	23	1	
5	16QAM	12	0	20.51	20.60	20.45			
5	16QAM	12	7	20.64	20.52	20.50			
5	16QAM	12	13	20.47	20.45	20.50			
5	16QAM	25	0	20.47	20.51	20.51	22	2	
5	64QAM	1	0	20.53	20.54	20.51			
5	64QAM	1	12	20.46	20.47	20.48			
5	64QAM	1	24	20.52	20.51	20.47			
5	64QAM	12	0	19.53	19.49	19.56	21	3	
5	64QAM	12	7	19.64	19.53	19.42			
5	64QAM	12	13	19.53	19.54	19.62			
5	64QAM	25	0	19.55	19.48	19.44			
5	256QAM	1	0	17.53	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 DSI2												
BW (MHz)	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				821.5 831.5 841.5								
Frequency (MHz)												
15	QPSK	1	0	22.48	22.49	22.44	24	0				
15	QPSK	1	37	22.31	22.45	22.32						
15	QPSK	1	74	22.46	22.41	22.44						
15	QPSK	36	0	21.55	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	21.65	21.55	21.63						
15	16QAM	36	0	20.59	20.51	20.50						
15	16QAM	36	20	20.65	20.53	20.39	22	2				
15	16QAM	36	39	20.51	20.48	20.58						
15	16QAM	75	0	20.43	20.54	20.52						
15	25QAM	1	0	20.55	20.50	20.50	22	2				
15	25QAM	1	37	20.47	20.45	20.45						
15	25QAM	1	74	20.52	20.50	20.41						
15	25QAM	36	0	19.50	19.42	19.60						
15	64QAM	36	20	19.64	19.60	19.38	21					
15	64QAM	36	39	19.67	19.59	19.54						
15	25QAM	1	0	19.53	19.48	19.53						
15	25QAM	1	0	17.48	17.52	17.41						
15	25QAM	1	37	17.52	17.53	17.63	19	5				
15	25QAM	1	74	17.44	17.56	17.50						
15	25QAM	36	0	17.50	17.50	17.81						
15	25QAM	36	20	17.50	17.50	17.81						
15	25QAM	36	39	17.41	17.47	17.55	19	5				
15	25QAM	75	0	17.47	17.39	17.59						
Channel				26740	26865	26990				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844						
10	QPSK	1	0	22.38	22.38	22.44				24	0	
10	QPSK	1	25	22.21	22.23	22.21						
10	QPSK	1	50	22.21	22.23	22.21						
10	QPSK	25	0	21.37	21.45	21.50						
10	QPSK	25	12	21.35	21.46	21.32	23	1				
10	QPSK	25	25	21.37	21.30	21.34						
10	QPSK	50	0	21.41	21.37	21.41						
10	16QAM	1	0	21.43	21.41	21.41	23	1				
10	16QAM	1	25	21.43	21.41	21.41						
10	16QAM	1	50	21.43	21.41	21.41						
10	16QAM	1	49	21.33	21.36	21.35						
10	16QAM	25	0	20.53	20.45	20.33	22	2				
10	16QAM	25	12	20.44	20.41	20.37						
10	16QAM	25	25	20.37	20.48	20.42						
10	16QAM	50	0	20.37	20.45	20.42						
10	56QAM	1	0	20.41	20.48	20.47	22	2				
10	56QAM	1	25	20.47	20.32	20.40						
10	56QAM	1	49	20.53	20.42	20.38						
10	56QAM	25	0	19.46	19.32	19.48	21	3				
10	56QAM	25	12	19.45	19.39	19.48						
10	56QAM	25	25	19.46	19.38	19.52						
10	56QAM	50	0	19.47	19.42	19.41						
10	25QAM	1	0	17.40	17.52	17.36	19	5				
10	25QAM	1	25	17.43	17.39	17.52						
10	25QAM	1	49	17.40	17.36	17.35						
10	25QAM	1	0	17.46	17.43	17.43						
10	25QAM	25	12	17.50	17.41	17.32	19	5				
10	25QAM	25	25	17.43	17.48	17.44						
10	25QAM	50	0	17.47	17.28	17.46						
Channel				26715	26865	27015				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5						
5	QPSK	1	0	22.26	22.40	22.40				24	0	
5	QPSK	1	12	22.26	22.40	22.40						
5	QPSK	1	24	22.26	22.22	22.43						
5	QPSK	12	0	21.41	21.50	21.53						
5	QPSK	12	7	21.45	21.36	21.30	23	1				
5	QPSK	12	13	21.44	21.41	21.39						
5	QPSK	25	0	21.43	21.42	21.42						
5	16QAM	1	0	21.41	21.44	21.22	23	1				
5	16QAM	1	12	21.32	21.34	21.41						
5	16QAM	1	24	21.38	21.39	21.36						
5	16QAM	12	0	20.44	20.45	20.31						
5	16QAM	12	7	20.53	20.46	20.26	22	2				
5	16QAM	12	13	20.47	20.43	20.41						
5	16QAM	25	0	20.39	20.35	20.41						
5	16QAM	1	0	20.41	20.39	20.56						
5	64QAM	1	12	20.47	20.45	20.43	22	2				
5	64QAM	1	24	20.50	20.37	20.32						
5	64QAM	1	0	19.34	19.34	19.34						
5	64QAM	12	7	19.46	19.42	19.25						
5	64QAM	12	13	19.45	19.46	19.50	21	3				
5	64QAM	25	0	19.56	19.42	19.38						
5	25QAM	1	0	17.49	17.49	17.37						
5	25QAM	1	12	17.43	17.43	17.43						
5	25QAM	1	24	17.33	17.42	17.34	19	5				
5	25QAM	12	0	17.42	17.43	17.40						
5	25QAM	12	7	17.42	17.52	17.46						
5	25QAM	12	13	17.44	17.53	17.47						
5	25QAM	25	0	17.46	17.47	17.46	19	5				
Channel				26745	26865	27033				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	847.5						
3	QPSK	1	0	22.34	22.43	22.38	24	0				
3	QPSK	1	8	22.29	22.35	22.26						
3	QPSK	1	14	22.36	22.23	22.37						
3	QPSK	8	0	21.34	21.46	21.40						
3	QPSK	8	0	21.38	21.53	21.27	23	1				
3	QPSK	8	7	21.37	21.43	21.37						
3	QPSK	15	0	21.41	21.50	21.44						
3	16QAM	1	0	21.43	21.43	21.23	23					
3	16QAM	1	8	21.36	21.33	21.42						
3	16QAM	1	14	21.42	21.35	21.43						
3	16QAM	8	0	20.34	20.39	20.39						
3	16QAM	8	4	20.44	20.41	20.35	22	2				
3	16QAM	8	7	20.41	20.38	20.47						
3	16QAM	15	0	20.40	20.45	20.42						
3	64QAM	1	0	20.47	20.43	20.44						
3	64QAM	1	0	20.46	20.42	20.45	22	2				
3	64QAM	1	14	20.44	20.42	20.38						
3	64QAM	8	0	19.37	19.41	19.54						
3	64QAM	8	4	19.54	19.47	19.30						
3	64QAM	8	7	19.44	19.49	19.49	21	3				
3	64QAM	15	0	19.54	19.33	19.36						
3	25QAM	1	0	17.49	17.49	17.37						
3	25QAM	1	8	17.35	17.45	17.45						
3	25QAM	1	14	17.39	17.36	17.33	19	5				
3	25QAM	8	0	17.45	17.46	17.52						
3	25QAM	8	4	17.43	17.51	17.37						
3	25QAM	8	7	17.43	17.49	17.39						
3	25QAM	15	0	17.37	17.36	17.47	19	5				
Channel				26897	26865	27033				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3						
1.4	QPSK	1	0	22.32	22.29	22.31	24	0				
1.4	QPSK	1	3	22.29	22.28	22.06						
1.4	QPSK	1	5	22.29	22.07	22.30						
1.4	QPSK	1	8	22.29	22.28	22.30						
1.4	QPSK	3	3	22.29	22.23	22.21	23	1				
1.4	QPSK	6	6	22.29	21.35	21.36						
1.4	16QAM	1	0	21.33	21.32	21.20						
1.4	16QAM	1	0	21.25	21.13	21.20						
1.4	16QAM	1	5	21.29	21.27	21.24	23	1				
1.4	16QAM	1	0	21.21	21.41	21.17						
1.4	16QAM	3	3	21.25	21.33	21.26						
1.4	16QAM	3	3	21.27	21.39	21.32						
1.4	16QAM	6	0	20.33	20.31	20.22	22	2				
1.4	16QAM	6	0	20.33	20.31	20.22						
1.4	64QAM	1	5	20.33	20.29	20.32						
1.4	64QAM	3	0	20.25	20.27	20.18						
1.4	64QAM	3	0	20.31	20.38	20.25	22	2				
1.4	64QAM	3	0	20.31	20.38	20.25						
1.4	64QAM	6	0	19.26	19.28	19.29						
1.4	25QAM	1	0	17.37	17.31	17.15						
1.4	25QAM	1	3	17.26	17.36	17.36	19	5				
1.4	25QAM	1	5	17.40	17.28	17.37						
1.4	25QAM	3	0	17.44	17.29	17.50						
1.4	25QAM	3	3	17.25	17.47	17.35						
1.4	25QAM	6	0	17.18	17.33	17.40	19					

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										
Frequency [MHz]				3760	3800	3840				
20	QPSK	1	0	22.49	22.96	22.46	24	0		
20	QPSK	1	49	22.33	22.45	22.33				
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	16QAM	1	0	21.45	21.50	21.47				
20	16QAM	1	49	21.45	21.46	21.53				
20	16QAM	1	99	21.52	21.54	21.45	22	2		
20	16QAM	50	0	20.53	20.60	20.50				
20	16QAM	50	24	20.61	20.63	20.41				
20	16QAM	50	50	20.38	20.44	20.59				
20	16QAM	100	0	20.56	20.60	20.47	22	2		
20	84QAM	1	0	20.50	20.50	20.57				
20	84QAM	1	49	20.50	20.51	20.52				
20	84QAM	1	99	20.53	20.43	20.53				
20	84QAM	50	0	19.47	19.46	19.48	21	3		
20	84QAM	50	24	19.56	19.53	19.46				
20	84QAM	50	50	19.48	19.53	19.48				
20	84QAM	100	0	19.58	19.49	19.41				
20	256QAM	1	0	17.51	17.66	17.47	19	5		
20	256QAM	1	49	17.56	17.54	17.55				
20	256QAM	1	99	17.46	17.58	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]				3775	3800	3825	Time-up limit [dBm]	MPR [dB]		
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	22.16	22.16				
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				
15	16QAM	1	37	21.35	21.30	21.43	23	1		
15	16QAM	1	74	21.36	21.34	21.40				
15	16QAM	36	0	20.52	20.45	20.37				
15	16QAM	36	20	20.46	20.49	20.36				
15	16QAM	36	39	20.36	20.36	20.47	22	2		
15	16QAM	75	0	20.47	20.38	20.48				
15	84QAM	1	0	20.47	20.48	20.45				
15	84QAM	1	37	20.39	20.36	20.36				
15	84QAM	1	74	20.46	20.36	20.35	22	2		
15	84QAM	36	0	19.41	19.40	19.54				
15	84QAM	36	20	19.47	19.47	19.28				
15	84QAM	36	39	19.44	19.45	19.43				
15	84QAM	75	0	19.56	19.46	19.46	21	3		
15	256QAM	1	0	17.44	17.56	17.29				
15	256QAM	1	37	17.45	17.54	17.43				
15	256QAM	1	74	17.38	17.39	17.45				
15	256QAM	36	0	17.40	17.43	17.42	19	5		
15	256QAM	36	20	17.48	17.53	17.36				
15	256QAM	36	39	17.48	17.53	17.34				
15	256QAM	75	0	17.36	17.28	17.34				
Channel										
Frequency [MHz]				3760	3800	3840	Time-up limit [dBm]	MPR [dB]		
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	21.37				
10	QPSK	50	0	21.42	21.49	21.37				
10	16QAM	1	0	21.31	21.52	21.42				
10	16QAM	1	49	21.46	21.44	21.41	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	20.32				
10	16QAM	25	25	20.38	20.44	20.50	22	2		
10	16QAM	50	0	20.41	20.49	20.45				
10	84QAM	1	0	20.41	20.47	20.56				
10	84QAM	1	25	20.46	20.44	20.43				
10	84QAM	1	49	20.47	20.36	20.29	22	2		
10	84QAM	25	0	19.41	19.37	19.52				
10	84QAM	25	12	19.42	19.52	19.28				
10	84QAM	25	25	19.48	19.39	19.47				
10	84QAM	50	0	19.48	19.33	19.31	19	5		
20	256QAM	1	0	17.47	17.45	17.40				
20	256QAM	1	25	17.45	17.50	17.55				
20	256QAM	1	49	17.39	17.39	17.47				
20	256QAM	25	0	17.50	17.37	17.46				
20	256QAM	25	12	17.51	17.54	17.36	19	5		
20	256QAM	25	25	17.37	17.50	17.38				
20	256QAM	50	0	17.57	17.31	17.43				
Channel										
Frequency [MHz]				3775	3800	3825	Time-up limit [dBm]	MPR [dB]		
5	QPSK	1	0	22.49	22.96	22.46	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	21.44	23	1		
5	QPSK	12	13	21.34	21.38	21.46				
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				
5	16QAM	12	13	20.41	20.46	20.53	22	2		
5	16QAM	25	0	20.42	20.39	20.48				
5	84QAM	1	0	20.37	20.36	20.40				
5	84QAM	1	12	20.32	20.43	20.45				
5	84QAM	1	24	20.49	20.32	20.49	22	2		
5	84QAM	12	0	19.41	19.37	19.49				
5	84QAM	12	7	19.49	19.43	19.25				
5	84QAM	12	13	19.40	19.42	19.37				
5	84QAM	25	0	19.54	19.43	19.32	21	3		
5	256QAM	1	0	17.43	17.44	17.31				
5	256QAM	1	12	17.45	17.47	17.54				
5	256QAM	1	24	17.45	17.40	17.34	19	5		
5	256QAM	12	0	17.37	17.38	17.50				
5	256QAM	12	7	17.45	17.40	17.38				
5	256QAM	12	13	17.47	17.41	17.41				

GSM850 Ant 1 DS2									
GSM850 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
Tx Channel		126	189	251	Limit		126	189	251
Frequency (MHz)		184.2	188.4	188.8	(dBm)		184.2	188.4	188.8
GSM 1 Tx slot		31.28	32.00	32.25	33.20		22.28	23.00	23.25
GPRS 1 Tx slot		31.37	32.00	32.34	33.20		22.37	23.00	23.34
GPRS 2 Tx slots		28.32	28.96	29.32	30.20		22.32	22.96	23.32
GPRS 3 Tx slots		26.65	27.06	27.46	28.50		22.29	22.82	23.22
GPRS 4 Tx slots		25.03	25.98	26.38	27.00		22.03	22.98	23.38
EDGE 1 Tx slot		25.81	26.52	26.54	27.00		16.81	17.52	17.54
EDGE 2 Tx slots		24.47	25.27	25.32	26.00		16.47	16.27	16.32
EDGE 3 Tx slots		22.91	23.84	23.76	24.50		16.65	16.98	16.90
EDGE 4 Tx slots		21.23	22.16	22.18	23.00		16.23	16.16	16.18
GSM1900 Ant 1 DS2									
GSM1900 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
Tx Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1850.2	1868	1869.8	(dBm)		1850.2	1868	1869.8
GSM 1 Tx slot		27.21	28.24	28.28	29.00		18.21	19.24	19.28
GPRS 1 Tx slot		27.33	28.24	28.36	29.00		18.30	19.24	19.36
GPRS 2 Tx slots		24.54	25.85	25.75	26.50		18.54	19.85	19.75
GPRS 3 Tx slots		23.14	24.26	24.16	25.00		18.86	20.00	19.90
GPRS 4 Tx slots		21.53	22.45	22.77	23.50		18.53	19.45	19.77
EDGE 1 Tx slot		22.55	23.78	23.77	24.50		13.55	14.78	14.77
EDGE 2 Tx slots		21.68	22.65	22.78	23.50		13.68	14.65	14.78
EDGE 3 Tx slots		20.05	21.05	21.14	22.00		13.79	14.79	14.88
EDGE 4 Tx slots		18.49	19.53	19.55	20.00		13.49	14.53	14.55
WCDMA II Ant 1 DS2									
Band		WCDMA II Ant 1			WCDMA IV Ant 1		WCDMA V Ant 1		
Tx Channel		9262	9400	9538	Tune-up		4132	4182	4233
Rx Channel		9602	9800	9938	Limit		4397	4487	4558
Frequency (MHz)		1852.4	1860	1867.6	(dBm)		1712.4	1752.6	1752.6
3GPP Rel 99 AMR 12.2Kbps		16.53	16.65	16.61	18.00		17.37	17.42	17.37
3GPP Rel 99 RMC 12.2Kbps		16.66	16.74	16.68	18.00		17.38	17.47	17.45
3GPP Rel 6 HSDPA Subtest 1		15.68	15.76	15.68	17.00		16.43	16.48	16.54
3GPP Rel 6 HSDPA Subtest 2		15.66	15.63	15.67	17.00		16.34	16.32	16.47
3GPP Rel 6 HSDPA Subtest 3		15.13	15.24	15.31	16.50		15.80	15.97	15.99
3GPP Rel 6 HSDPA Subtest 4		15.14	15.34	15.28	16.50		15.85	15.96	15.97
3GPP Rel 6 DC-HSDPA Subtest 1		15.61	15.74	15.69	17.00		16.38	16.37	16.44
3GPP Rel 6 DC-HSDPA Subtest 2		15.78	15.82	15.52	17.00		16.52	16.61	16.33
3GPP Rel 6 DC-HSDPA Subtest 3		15.15	15.13	15.11	16.50		15.95	15.87	15.83
3GPP Rel 6 DC-HSDPA Subtest 4		15.18	15.20	15.11	16.50		15.79	15.93	15.90
3GPP Rel 6 HSUPA Subtest 1		15.77	15.76	15.73	17.00		16.43	16.43	16.50
3GPP Rel 6 HSUPA Subtest 2		13.66	13.74	13.74	15.00		14.30	14.53	14.53
3GPP Rel 6 HSUPA Subtest 3		14.57	14.72	14.79	16.00		15.30	15.37	15.47
3GPP Rel 6 HSUPA Subtest 4		13.69	13.78	13.72	15.00		14.38	14.42	14.35
3GPP Rel 6 HSUPA Subtest 5		15.55	15.77	15.77	17.00		16.25	16.35	16.40



Band 4 Ant 1 DS12												
RF [MHz]	Modulation	RB [MHz]	RB Offset	Power [W]	Power [W]	Power [W]	Power [W]	Power [W]	Power [W]	Power [W]	Power [W]	Power [W]
Channel				2016	2017	2018	2019	2020	2021	2022	2023	2024
Frequency (MHz)												
28	QPSK	1	0	17.08	17.07	15.9	17.12					
28	QPSK	1	49	15.84	17.11	15.98						18.2
28	QPSK	50	0	17.04	17.04	15.94						
28	QPSK	50	0	17.04	17.13	17.06						
28	QPSK	50	24	17.03	16.97	16.85						18.2
28	QPSK	100	0	17.08	17.08	15.94						
28	QPSK	100	0	17.06	17.12	17.08						
28	QPSK	100	0	17.05	16.97	16.98						
28	QPSK	100	0	17.08	17.08	15.94						18.2
28	16QAM	1	99	17.01	17.00	16.97						
28	16QAM	50	0	16.97	17.11	16.97						
28	16QAM	50	24	17.03	17.11	16.98						
28	16QAM	50	50	15.97	17.05	16.88						
28	16QAM	100	0	16.95	17.03	16.98						
28	16QAM	100	0	16.95	16.99	16.96						
28	84QAM	1	49	15.85	17.11	15.99						18.2
28	84QAM	50	0	17.03	17.03	16.96						
28	84QAM	50	0	17.04	17.04	16.94						
28	84QAM	50	24	17.05	17.07	16.98						18.2
28	84QAM	50	50	16.97	17.05	16.88						
28	84QAM	100	0	17.06	17.09	16.99						
28	256QAM	1	0	17.05	16.98	16.87						18.2
28	256QAM	50	0	17.03	17.02	17.00						
28	256QAM	50	24	17.05	17.04	16.94						
28	256QAM	50	50	16.97	17.03	16.87						
28	256QAM	100	0	16.97	16.99	16.88						
Frequency (MHz)												
18	QPSK	1	0	17.175	17.215	17.475						
18	QPSK	1	31	17.07	17.03	16.89						
18	QPSK	1	74	16.91	16.91	16.93						
18	QPSK	36	0	16.96	17.07	16.98						
18	QPSK	36	0	16.96	16.97	16.84						18.2
18	QPSK	36	39	17.01	16.99	16.98						
18	QPSK	75	0	16.86	16.98	16.93						
18	QPSK	75	0	16.86	16.98	16.91						
18	16QAM	1	37	16.88	16.95	16.93						
18	16QAM	1	74	16.89	17.03	16.80						
18	16QAM	36	20	16.92	17.01	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	75	0	16.94	16.97	16.93						
18	16QAM	1	37	16.88	16.97	16.90						
18	16QAM	1	74	16.85	16.94	16.85						
18	16QAM	36	20	16.92	17.00	16.82						
18	16QAM	36	20	16.92	16.97	16.84						
18	16QAM	36	20	16.94	17.00	16.94						
18	16QAM	75	0									

Band 5 Ant 1 DS12																				
RF (MHz)	Modulation	RF Sub Channel	RF Offset	Power (dBm)	Power (dBm) Ch 1 / Ch 2	Power (dBm) Ch 3 / Ch 4	Power (dBm) Ch 5 / Ch 6	Power (dBm) Ch 7 / Ch 8	Power (dBm) Ch 9 / Ch 10	Power (dBm) Ch 11 / Ch 12	Power (dBm) Ch 13 / Ch 14	Power (dBm) Ch 15 / Ch 16	Power (dBm) Ch 17 / Ch 18	Power (dBm) Ch 19 / Ch 20	Power (dBm) Ch 21 / Ch 22	Power (dBm) Ch 23 / Ch 24	Power (dBm) Ch 25 / Ch 26	Power (dBm) Ch 27 / Ch 28	Power (dBm) Ch 29 / Ch 30	Power (dBm) Ch 31 / Ch 32
Frequency (MHz)				20450	20450	20450	20450	20450	20450	20450	20450	20450	20450	20450	20450	20450	20450	20450	20450	20450
10	QPSK	1	0	22.51	22.52	22.52	22.49													
10	QPSK	1	26	22.47	22.45	22.45	22.38													
10	QPSK	15	0	22.51	22.52	22.52	22.34													
10	QPSK	26	0	21.45	21.55	21.55	21.46													
10	QPSK	26	12	21.41	21.54	21.54	21.33													
10	QPSK	26	26	21.50	21.57	21.57	21.44													
10	QPSK	30	0	21.43	21.53	21.53	21.49													
10	QPSK	1	0	21.21	21.41	21.41	21.22													
10	QPSK	1	26	21.42	21.45	21.45	21.37													
10	QPSK	1	49	21.40	21.46	21.47	21.47													
10	QPSK	25	0	20.69	20.36	20.36	20.21													
10	QPSK	25	0	20.52	20.45	20.45	20.32													
10	QPSK	25	25	20.37	20.39	20.49														
10	QPSK	1	0	20.50	20.45	20.45	20.38													
10	QPSK	1	25	20.45	20.42	20.25														
10	QPSK	1	49	21.42	21.45	21.45	21.34													
10	QPSK	25	12	19.35	19.35	19.35														
10	QPSK	25	12	19.58	19.46	19.36														
10	QPSK	25	26	19.45	19.45	19.45														
10	QPSK	30	0	19.52	19.32	19.32	19.27													
10	QPSK	1	0	17.88	17.48	17.37														
10	QPSK	1	26	17.42	17.42	17.42														
10	QPSK	1	49	17.29	17.44	17.44														
10	QPSK	25	0	17.43	17.35	17.42														
10	QPSK	25	0	17.52	17.45	17.45														
10	QPSK	25	26	17.33	17.60	17.42														
10	QPSK	30	0	17.42	17.42	17.42														
Frequency (MHz)				835.5	836.5	845.5														
5	QPSK	1	0	22.45	22.42	22.28														
5	QPSK	1	26	22.47	22.42	22.28														
5	QPSK	1	24	22.41	22.32	22.29														
5	QPSK	12	0	21.32	21.46	21.49														
5	QPSK	12	0	20.52	20.45	20.35														
5	QPSK	12	13	21.35	21.60	21.44														
5	QPSK	25	0	21.43	21.56	21.49														
5	QPSK	25	0	20.62	20.45	20.27														
5	QPSK	1	24	21.38	21.48	21.38														
5	QPSK	1	24	21.44	21.46	21.43														
5	QPSK	12	0	20.34	20.34	20.34														
5	QPSK	12	7	20.31	20.38	20.36														
5	QPSK	12	13	20.29	20.31	20.49														
5	QPSK	1	24	20.31	20.31	20.31														
5	QPSK	1	12	20.41	20.42	20.31														
5	QPSK	12	0	19.51	19.36	19.43														
5	QPSK	12	0	19.42	19.42	19.38														
5	QPSK	25	0	19.52	19.44	19.35														
5	QPSK	25	0	19.44	19.44	19.44														
5	QPSK	1	24	17.46	17.46	17.46														
5	QPSK	12	7	17.47	17.42	17.42														
5	QPSK	12	7	17.47	17.42	17.42														
5	QPSK	12	13	17.39	17.46	17.34														
5	QPSK	12	13	17.49	17.42	17.37														
Channel				20415	20525	20565														
Frequency (MHz)				825.5	838.1	847.5														
1.4	QPSK	1	0	22.47	22.45	22.42														
1.4	QPSK	1	26	22.38	22.21	22.47														
1.4	QPSK	1	14	22.37	22.33	22.33														
1.4	QPSK	1	0	21.35	21.35	21.35														
1.4	QPSK	8	0	21.35	21.46	21.38														
1.4	QPSK	8	7	21.40	21.40	21.36														
1.4	QPSK	8	0	20.49	20.49	20.49														
1.4	QPSK	1	0	21.28	21.47	21.22														
1.4	QPSK	1	8	21.33	21.38	21.45														
1.4	QPSK	8	0	20.44	20.47	20.37														
1.4	QPSK	8	0	20.33	20.48	20.29														
1.4	QPSK	8	0	19.81	19.35	19.39														
1.4	QPSK	16	0	20.37	20.45	20.34														
1.4	QPSK	1	0	20.43	20.41	20.44														
1.4	QPSK	1	0	20.40	20.38	20.35														
1.4	QPSK	1	14	20.31	20.37	20.29														
1.4	QPSK	8	0	19.37	19.46	19.45														
1.4	QPSK	8	0	19.61	19.35	19.39														
1.4	QPSK	8	7	19.46	19.40	19.46														
1.4	QPSK	16	0	19.49	19.37	19.31														
1.4	QPSK	1	0	17.52	17.50	17.53														
1.4	QPSK	1	8	17.48	17.43	17.59														
1.4	QPSK	1	14	17.38	17.37	17.46														
1.4	QPSK	1	0	17.42	17.42	17.42														
1.4	QPSK	8	0	17.47	17.47	17.44														
1.4	QPSK	8	0	17.47	17.47	17.44														
1.4	QPSK	16	0	17.47	17.52	17.43														
Channel				20407	20525	20563														
Frequency (MHz)				825.5	838.1	847.5														
1.4	QPSK	1	0	22.42	22.47	22.41														
1.4	QPSK	1	8	22.35	22.32	22.27														
1.4	QPSK	1	0	22.38	22.21	22.46														
1.4	QPSK	1	8	22.29	22.46	22.39														
1.4	QPSK	3	0	22.42	22.45	22.39														
1.4	QPSK	1	0	21.36	21.32	21.38														
1.4	QPSK	1	21	21.35	21.45	21.34														
1.4	QPSK	3	0	21.40	21.54	21.35														
1.4	QPSK	3	0	20.37	20.38	20.41														
1.4	QPSK	1	0	20.53	20.49	20.32														
1.4	QPSK	1	0	20.29	20.37	20.39														
1.4	QPSK	1	6	20.54	20.32	20.46														
1.4	QPSK	3	0	20.46	20.46	20.36														
1.4	QPSK	3	0	20.49	20.35	20.34														
1.4	QPSK	3	0	20.50	20.43	20.43														
1.4	QPSK	8	0	19.35	19.35	19.25														
1.4	QPSK	3	0	17.47	17.38	17.37														
1.4	QPSK	3	0	17.29	17.4															

Band 7 Ant 1 DS12												
BW (MHz)	Modulation	RF Noise	RF Offset	Power Ch. 1 (dBm)	Power Ch. 2 (dBm)	Power Ch. 3 (dBm)	Power Ch. 4 (dBm)	Turn-on time (dBm)	Spurs (dBm)			
Channel										24.1	24.2	24.3
Frequency (MHz)										20665	21100	21360
20	QPSK	1	0	17.22	17.22	17.22	17.26					
20	QPSK	1	69	17.27	17.21	17.21	17.03		18.4			
20	QPSK	98	12	17.17	17.22	17.22	17.04					
20	QPSK	60	36	17.22	17.27	17.27	17.16					
20	QPSK	50	24	17.10	17.11	17.11	17.08		18.4			
20	QPSK	50	36	17.05	17.05	17.05	17.04					
20	QPSK	100	0	17.24	17.25	17.25	17.22					
20	QPSK	1	25	17.01	17.16	17.16	17.10					
20	QPSK	1	49	17.05	17.21	17.21	16.98		18.4			
20	16QAM	1	99	17.08	17.10	17.10	17.02					
20	16QAM	50	50	17.05	17.16	17.16	17.04					
20	16QAM	50	36	17.12	17.02	17.02	17.02		18.4			
20	16QAM	50	50	17.04	17.17	17.17	17.04					
20	16QAM	1	49	17.13	17.18	17.18	17.06		18.4			
20	16QAM	50	36	17.17	17.17	17.17	17.05					
20	16QAM	50	24	17.14	17.07	17.07	17.05					
20	16QAM	100	0	17.21	17.18	17.18	17.05					
20	25QAM	1	0	17.07	17.17	17.17	17.02					
20	25QAM	1	69	17.05	17.05	17.05	17.05		18.4			
20	25QAM	1	99	17.01	17.22	17.22	17.02					
20	25QAM	50	50	17.08	17.09	17.09	17.05					
20	25QAM	50	36	17.12	17.02	17.02	17.02		18.4			
20	25QAM	50	50	17.02	17.20	17.20	17.03					
20	25QAM	100	0	17.12	17.06	17.06	17.02	Turn-on time (dBm)				
Channel										24.1	24.2	24.3
Frequency (MHz)										2507.5	2535	2562.5
15	QPSK	1	0	16.84	17.11	17.11	16.87					
15	QPSK	1	69	16.83	17.07	17.07	16.87					
15	QPSK	98	12	16.73	16.99	17.02	17.00					
15	QPSK	60	36	17.01	16.88	16.88	16.85					
15	QPSK	50	24	16.91	17.02	17.02	16.92					
15	QPSK	80	36	16.84	17.02	17.02	16.87		18.4			
15	QPSK	75	0	17.06	17.02	17.02	16.89					
15	QPSK	1	49	17.05	17.16	17.16	16.92					
15	16QAM	1	37	16.85	17.07	17.07	16.85		18.4			
15	16QAM	1	74	16.91	17.01	17.01	16.92					
15	16QAM	50	36	17.04	16.92	16.92	16.92		18.4			
15	16QAM	36	26	16.95	16.95	16.97	16.96					
15	16QAM	50	39	17.04	17.09	17.09	16.97					
15	16QAM	50	24	16.93	17.01	17.01	16.94					
15	16QAM	1	0	17.01	17.07	17.07	16.88					
15	16QAM	1	37	17.06	17.03	17.03	16.95		18.4			
15	16QAM	50	36	16.93	17.02	17.02	16.84					
15	16QAM	50	24	16.95	17.02	17.02	16.85					
15	16QAM	100	0	17.03	17.00	17.00	16.80					
15	25QAM	1	0	17.07	17.17	17.17	17.02					
15	25QAM	1	69	17.05	17.05	17.05	17.05		18.4			
15	25QAM	1	99	17.01	17.22	17.22	17.02					
15	25QAM	50	50	17.08	17.09	17.09	17.05					
15	25QAM	50	36	17.12	17.02	17.02	17.02		18.4			
15	25QAM	50	50	17.02	17.20	17.20	17.03					
15	25QAM	100	0	17.12	17.06	17.06	17.02	Turn-on time (dBm)				
Channel										25080 <th>21100</th> <th>21400</th>	21100	21400
Frequency (MHz)										2507.5	2535	2562.5
5	QPSK	1	0	17.01	17.07	17.07	16.97					
5	QPSK	1	26	16.93	17.02	17.02	16.87		18.4			
5	QPSK	1	49	16.99	17.03	17.03	16.95					
5	QPSK	12	16	16.93	17.09	17.09	16.96					
5	QPSK	25	16	16.87	17.10	17.10	16.94					
5	QPSK	25	26	16.98	17.06	17.06	16.98					
5	QPSK	50	26	16.93	17.03	17.03	16.90					
5	16QAM	1	49	16.96	17.00	17.00	16.88					
5	16QAM	1	24	17.04	17.10	17.10	16.92		18.4			
5	16QAM	1	12	17.04	16.98	16.98	16.88					
5	16QAM	12	16	16.95	17.02	17.02	16.81					
5	16QAM	12	16	16.95	17.01	17.01	16.81					
5	16QAM	12	26	17.03	17.06	17.06	16.93					
5	16QAM	12	19	17.06	16.96	16.96	16.86		18.4			
5	16QAM	25	0	17.03	17.07	17.07	16.96					
5	16QAM	25	26	17.00	17.03	17.03	16.90					
5	16QAM	1	12	16.94	17.05	17.05	16.88		18.4			
5	16QAM	1	24	16.93	17.11	17.11	17.01					
5	16QAM	12	7	17.06	17.02	17.02	16.96					
5	16QAM	12	7	16.93	16.96	16.96	16.86		18.4			
5	25QAM	1	12	16.99	17.09	17.09	17.01					
5	25QAM	1	12	16.96	17.11	17.11	16.91					
5	25QAM	12	7	17.03	16.99	16.99	17.01					
5	25QAM	12	7	17.04	17.07	17.07	17.00		18.4			
5	25QAM	25	0	17.00	17.02	17.02	16.97					

Band 12 ant 1 DS12											
BSF	Modulation	RB	RB Size	RB Offset	Power Ch. 1 (Freq.)	Power Ch. 2 (Freq.)	Power Ch. 3 (Freq.)	Transmit rate (kbps)	BSF rate (kbps)		
Channel											
15	QPSK	1	0	2245	2245	2250	2248				
16	QPSK	1	25	2234	2242	2242	2248	23.4	0		
17	QPSK	2	49	2242	2242	2242	2248				
18	QPSK	25	0	2242	2156	2156	2156				
19	QPSK	26	12	2148	2152	2141	2141			23.4	
20	QPSK	26	24	2143	2133	2138	2138				
21	QPSK	90	0	2148	2153	2150	2150				
22	QPSK	1	0	2135	2152	2125	2125				
23	QPSK	25	0	2135	2148	2138	2138			23.4	
24	QPSK	90	1	2147	2143	2148	2148				
25	QPSK	25	0	2059	2059	2059	2059				
26	QPSK	25	12	2052	2052	2052	2052	21.4	0		
27	QPSK	26	25	2052	2044	2057	2057				
28	QPSK	25	25	2052	2044	2057	2057				
29	QPSK	90	0	2042	2034	2040	2040				
30	QPSK	1	25	2039	2042	2038	2038	21.4	0		
31	QPSK	25	0	1941	1943	1955	1955				
32	QPSK	25	12	1955	1942	1937	1937	21	2.4		
33	QPSK	26	24	1941	1933	1948	1948				
34	QPSK	90	0	1947	1943	1935	1935				
35	QPSK	1	0	1762	1783	1738	1738				
36	QPSK	25	0	1762	1783	1738	1738				
37	QPSK	26	24	1762	1770	1748	1748	19	4.4		
38	QPSK	90	0	1745	1737	1744	1744				
39	QPSK	1	25	1747	1735	1754	1754				
40	QPSK	25	12	1747	1735	1754	1754				
41	QPSK	26	25	1738	1757	1749	1749	19	4.4		
42	QPSK	90	0	1762	1743	1749	1749				
Channel											
Frequency (MHz)											
BSF <th>Modulation</th> <th>RB</th> <th>RB Size</th> <th>RB Offset</th> <th>Power Ch. 1 (Freq.)</th> <th>Power Ch. 2 (Freq.)</th> <th>Power Ch. 3 (Freq.)</th> <th>Transmit rate (kbps)</th> <th>BSF rate (kbps)</th> <th colspan="2"></th>	Modulation	RB	RB Size	RB Offset	Power Ch. 1 (Freq.)	Power Ch. 2 (Freq.)	Power Ch. 3 (Freq.)	Transmit rate (kbps)	BSF rate (kbps)		
1	QPSK	1	0	7015	7015	711.5	711.5				
2	QPSK	1	0	2242	2241	2227	2227				
3	QPSK	1	25	2242	2242	2242	2242	23.4	0		
4	QPSK	24	24	2241	2220	2237	2237				
5	QPSK	12	0	2138	2158	2145	2145			23.4	
6	QPSK	24	24	2051	2051	2039	2039				
7	QPSK	12	13	2141	2140	2132	2132				
8	QPSK	26	0	2149	2152	2150	2150			23.4	
9	QPSK	26	12	2051	2051	2039	2039				
10	QPSK	12	13	2033	2041	2031	2031			23.4	
11	QPSK	26	0	2038	2041	2054	2054				
12	QPSK	12	13	2033	2040	2031	2031	21.4	0		
13	QPSK	26	0	2032	2042	2048	2048				
14	QPSK	1	0	2038	2039	2039	2039				
15	QPSK	1	12	2042	2048	2038	2038	21.4	0		
16	QPSK	24	24	2042	2048	2038	2038				
17	QPSK	12	0	1942	1944	1949	1949				
18	QPSK	12	7	1955	1943	1938	1938				
19	QPSK	13	14	1943	1933	1948	1948	21	2.4		
20	QPSK	25	0	1948	1938	1925	1925				
21	QPSK	25	12	1948	1938	1925	1925				
22	QPSK	26	0	1942	1937	1948	1948	19	4.4		
23	QPSK	12	13	1942	1937	1948	1948				
24	QPSK	26	12	1754	1737	1741	1741	19	4.4		
25	QPSK	12	13	1736	1741	1738	1738				
26	QPSK	1	0	7005	7005	711.5	711.5				
27	QPSK	1	0	2245	2245	2250	2248				
28	QPSK	1	25	2234	2242	2242	2248	23.4	0		
29	QPSK	2	49	2242	2242	2242	2248				
30	QPSK	25	0	2242	2156	2156	2156				
31	QPSK	26	12	2148	2152	2141	2141			23.4	
32	QPSK	26	24	2143	2133	2138	2138				
33	QPSK	90	0	2148	2153	2150	2150				
34	QPSK	1	0	2135	2152	2125	2125				
35	QPSK	25	0	2135	2148	2138	2138			23.4	
36	QPSK	90	1	2147	2143	2148	2148				
37	QPSK	25	0	2059	2059	2059	2059				
38	QPSK	25	12	2052	2052	2052	2052	21.4	0		
39	QPSK	26	25	2052	2044	2057	2057				
40	QPSK	25	25	2052	2044	2057	2057				
41	QPSK	90	0	2042	2034	2040	2040				
42	QPSK	1	25	2039	2042	2038	2038	21.4	0		
43	QPSK	25	0	1941	1943	1955	1955				
44	QPSK	25	12	1955	1942	1937	1937	21	2.4		
45	QPSK	26	24	1941	1933	1948	1948				
46	QPSK	90	0	1947	1943	1935	1935				
47	QPSK	1	0	1762	1783	1738	1738				
48	QPSK	25	0	1762	1783	1738	1738				
49	QPSK	26	24	1762	1770	1748	1748	19	4.4		
50	QPSK	90	0	1745	1737	1744	1744				
51	QPSK	1	25	1747	1735	1754	1754				
52	QPSK	25	12	1747	1735	1754	1754				
53	QPSK	26	25	1738	1757	1749	1749	19	4.4		
54	QPSK	90	0	1762	1743	1749	1749				
55	QPSK	1	0	7015	7015	711.5	711.5				
56	QPSK	1	0	2242	2241	2227	2227				
57	QPSK	1	25	2242	2242	2242	2242	23.4	0		
58	QPSK	24	24	2241	2220	2237	2237				
59	QPSK	12	0	2138	2158	2145	2145			23.4	
60	QPSK	24	24	2051	2051	2039	2039				
61	QPSK	12	13	2141	2140	2132	2132				
62	QPSK	26	0	2149	2152	2150	2150			23.4	
63	QPSK	26	12	2051	2051	2039	2039				
64	QPSK	12	13	2033	2041	2031	2031			23.4	
65	QPSK	26	0	2038	2041	2054	2054				
66	QPSK	12	13	2033	2040	2031	2031	21.4	0		
67	QPSK	26	0	2032	2042	2048	2048				
68	QPSK	1	0	2038	2039	2039	2039				
69	QPSK	1	12	2042	2048	2038	2038	21.4	0		
70	QPSK	24	24	2042	2048	2038	2038				
71	QPSK	12	0	1942	1944	1949	1949				
72	QPSK	12	7	1955	1943	1938	1938				
73	QPSK	13	14	1943	1933	1948	1948	21	2.4		
74	QPSK	25	0	1948	1938	1925	1925				
75	QPSK	25	12	1948	1938	1925	1925				
76	QPSK	26	0	1942	1937	1948	1948	19	4.4		
77	QPSK	12	13	1942	1937	1948	1948				
78	QPSK	26	12	1754	1737	1741	1741	19	4.4		
79	QPSK	12	13	1736	1741	1738	1738				
80	QPSK	1	0	7005	7005	711.5	711.5				
81	QPSK	1	0	2245	2245	2250	2248				
82	QPSK	1	25	2234	2242	2242	2248	23.4	0		
83	QPSK	2	49	2242	2242	2242	2248				
84	QPSK	25	0	2242	2156	2156	2156				
85	QPSK	26	12	2148	2152	2141	2141			23.4	
86	QPSK	26	24	2143	2133	2138	2138				
87	QPSK	90	0	2148	2153	2150	2150				
88	QPSK	1	0	2135	2152	2125	2125				
89	QPSK	25	0	2135	2148	2138	2138			23.4	
90	QPSK	90	1	2147	2143	2148	2148				
91	QPSK	25	0	2059	2059	2059	2059				
92	QPSK	25	12	2052	2052	2052	2052	21.4	0		
93	QPSK	26	25	2052	2044	2057	2057				
94	QPSK	25	25	2052	2044	2057	2057				
95	QPSK	90	0	2042	2034	2040	2040				
96	QPSK	1	25	2039	2042	2038	2038	21.4	0		
97	QPSK	25	0	1941	1943	1955	1955				
98	QPSK	25	12	1955	1942	1937	1937	21	2.4		
99	QPSK	26	24	1941	1933	1948	1948				
100	QPSK	90	0	1947	1943	1935	1935				
101	QPSK	1	0	1762	1783	1738	1738				
102	QPSK	25	0	1762	1783	1738	1738				
103	QPSK	26	24	1762	1770	1748	1748	19	4.4		
104	QPSK	90	0	1745	1737	1744	1744				
105	QPSK	1	25	1747	1735	1754	1754				
106	QPSK	25	12	1747	1735	1754	1754				
107	QPSK	26	25	1738	1757	1749	1749	19	4.4		
108	QPSK	90	0	1762	1743	1749	1749				
109	QPSK	1	0	7015	7015	711.5	711.5				
110	QPSK	1	0	2242	2241	2227	2227				
111	QPSK	1	25	2242	2242	2242	2242	23.4	0		
112	QPSK	24	24	2241	2220	2237	2237				
113	QPSK	12	0	2138	2158	2145	2145			23.4	
114	QPSK	24	24	2051	2051	2039	2039				

Band 13 Ant 1 DS12 ENDC												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up (dB)	APRS (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	22.48	22.48	22.48						
10	QPSK	25	0	21.54	21.54	21.54						
10	QPSK	25	12	21.48	21.48	21.48	23	1				
10	QPSK	25	25	21.32	21.32	21.32						
10	QPSK	50	0	21.51	21.51	21.51						
10	QPSK	50	1	21.47	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	1	73	20.36	20.36	20.36						
10	16QAM	25	12	20.51	20.51	20.51						
10	16QAM	25	25	20.48	20.48	20.48	22	2				
10	16QAM	50	0	20.58	20.58	20.58						
10	16QAM	1	0	20.30	20.30	20.30						
10	16QAM	1	25	20.48	20.48	20.48						
10	16QAM	1	49	20.41	20.41	20.41	22	2				
10	16QAM	25	0	19.47	19.47	19.47						
10	16QAM	25	12	19.38	19.38	19.38						
10	16QAM	25	25	19.38	19.38	19.38						
10	16QAM	50	0	19.45	19.45	19.45	21	3				
10	256QAM	1	25	17.54	17.54	17.54						
10	256QAM	1	49	17.48	17.48	17.48						
10	256QAM	25	12	17.38	17.38	17.38						
10	256QAM	25	25	17.43	17.43	17.43	19	5				
10	256QAM	50	0	17.47	17.47	17.47						
10	256QAM	50	0	17.47	17.47	17.47						
10	256QAM	50	0	17.47	17.47	17.47						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.43	22.42	22.45	24	0				
5	QPSK	1	12	22.28	22.28	22.38						
5	QPSK	1	25	22.39	22.37	22.17						
5	QPSK	12	0	21.33	21.34	21.42						
5	QPSK	12	7	21.38	21.44	21.33	23	1				
5	QPSK	12	13	21.49	21.39	21.28						
5	QPSK	25	0	21.51	21.49	21.50						
5	16QAM	1	0	21.52	21.47	21.19						
5	16QAM	1	12	21.31	21.37	21.43	23	1				
5	16QAM	1	24	21.33	21.34	21.42						
5	16QAM	12	0	20.44	20.30	20.23						
5	16QAM	12	7	20.28	20.40	20.28						
5	16QAM	12	13	20.29	20.43	20.26	22	2				
5	16QAM	25	0	20.35	20.32	20.39						
5	16QAM	1	0	20.30	20.33	20.25						
5	16QAM	1	12	20.29	20.43	20.26						
5	16QAM	1	24	20.29	20.42	20.24	22	2				
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	19.38	19.52						
5	16QAM	25	0	19.46	19.33	19.23	21	3				
5	256QAM	1	0	17.44	17.56	17.52						
5	256QAM	1	12	17.52	17.43	17.54						
5	256QAM	1	24	17.29	17.26	17.38						
5	256QAM	12	0	17.32	17.36	17.54	19	5				
5	256QAM	12	7	17.39	17.34	17.39						
5	256QAM	12	13	17.31	17.37	17.38						
5	256QAM	25	0	17.46	17.26	17.45						

Band 17 Ant 1 DS12												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up (ms)	APRS (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	22.48						
10	QPSK	1	49	22.38	22.38	22.47						
10	QPSK	25	0	21.47	21.54	21.53						
10	QPSK	25	12	21.49	21.51	21.30	23	0.4				
10	QPSK	25	25	21.45	21.42	21.43						
10	QPSK	50	0	21.52	21.53	21.52						
10	QPSK	50	1	21.38	21.42	21.38						
10	16QAM	1	25	21.35	21.52	21.41	23	0.4				
10	16QAM	1	49	21.47	21.48	21.44						
10	16QAM	25	0	20.51	20.49	20.55						
10	16QAM	25	12	20.45	20.51	20.49						
10	16QAM	25	25	20.26	20.49	20.49	22	1.4				
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	21	2.4				
10	16QAM	25	0	19.40	19.50	19.47						
10	16QAM	25	12	19.53	19.41	19.59						
10	16QAM	25	25	19.51	19.45	19.54						
10	16QAM	50	0	19.59	19.35	19.36	19	4.4				
10	256QAM	1	0	17.58	17.67	17.51						
10	256QAM	1	25	17.55	17.48	17.57						
10	256QAM	1	49	17.46	17.43	17.49						
10	256QAM	25	0	17.37	17.38	17.39	19	4.4				
10	256QAM	25	12	17.49	17.43	17.55						
10	256QAM	25	25	17.39	17.48	17.38						
10	256QAM	50	0	17.49	17.40	17.39						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.42	22.36	22.40	23.4	0				
5	QPSK	1	25	22.22	22.41	22.34						
5	QPSK	1	49	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	23	0.4				
5	QPSK	12	13	21.35	21.30	21.42						
5	QPSK	25	0	21.47	21.41	21.53						
5	16QAM	1	0	21.40	21.37	21.19						
5	16QAM	1	12	21.38	21.39	21.43	23	0.4				
5	16QAM	1	24	21.50	21.46	21.49						
5	16QAM	12	0	20.52	20.37	20.28						
5	16QAM	12	7	20.34	20.44	20.39						
5	16QAM	12	13	20.28	20.32	20.23	22	1.4				
5	16QAM	25	0	20.40	20.48	20.43						
5	16QAM	1	0	20.59	20.28	20.33						
5	16QAM	1	12	20.57	20.44	20.35						
5	16QAM	1	24	20.35	20.47	20.37	21	2.4				
5	16QAM	12	0	19.41	19.48	19.35	21	2.4				
5	16QAM	12	7	19.57	19.44	19.53						
5	16QAM	12	13	19.48	19.29	19.49						
5	16QAM	24	0	19.53	19.38	19.38						
5	256QAM	1	0	17.61	17.69	17.24	19	4.4				
5	256QAM	1	12	17.43	17.53	17.58						
5	256QAM	1	24	17.58	17.39	17.44						
5	256QAM	1	12	17.36	17.36	17.44						
5	256QAM	12	0	17.56	17.34	17.40	19	4.4				
5	256QAM	12	13	17.42	17.38	17.40						
5	256QAM	25	0	17.42	17.38	17.57						

Band 66 Ant 1 DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.16	17.17	17.13	18.2	0		
20	QPSK	1	40	17.10	17.09	17.01				
20	QPSK	1	96	17.11	16.97	16.90				
20	QPSK	50	0	17.08	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	HQDM	1	0	17.01	16.99	16.85				
20	HQDM	1	40	16.93	17.04	16.94	18.2	0		
20	HQDM	1	96	17.04	17.09	16.92				
20	HQDM	50	0	17.01	17.05	16.92				
20	HQDM	50	24	16.94	17.03	17.03				
20	HQDM	50	50	17.01	16.96	16.94	18.2	0		
20	HQDM	100	0	16.96	17.01	16.85				
20	SSQAM	1	0	17.03	17.05	16.97				
20	SSQAM	1	40	16.94	17.09	16.91	18.2	0		
20	SSQAM	1	96	16.94	17.00	16.96				
20	SSQAM	50	0	16.97	16.92	16.93				
20	SSQAM	50	24	16.99	16.99	16.91				
20	SSQAM	50	50	17.03	17.07	16.95	18.2	0		
20	SSQAM	100	0	16.89	17.04	16.96				
Channel				130047	130022	130067	Turn-on time (sec)	MFR (dB)		
Frequency (MHz)										
16	QPSK	1	0	17.17	17.18	17.13	18.2	0		
16	QPSK	1	37	16.87	17.02	16.97				
16	QPSK	1	74	16.90	16.92	16.68				
16	QPSK	36	0	16.86	17.02	16.91				
16	QPSK	36	20	16.80	16.94	16.94	18.2	0		
16	QPSK	36	36	16.88	16.85	16.81				
16	QPSK	75	0	16.93	16.94	16.81				
16	HQDM	1	0	17.01	17.02	16.71				
16	HQDM	1	37	16.85	16.93	16.83	18.2	0		
16	HQDM	1	74	16.93	16.99	16.86				
16	HQDM	36	0	16.94	17.03	16.76				
16	HQDM	36	20	16.91	16.90	16.81				
16	HQDM	36	36	16.87	16.79	16.82	18.2	0		
16	HQDM	75	0	16.83	16.97	16.93				
16	HQDM	1	0	16.97	17.03	16.76				
16	HQDM	1	37	16.95	16.97	16.91				
16	HQDM	1	74	16.90	16.88	16.79	18.2	0		
16	HQDM	36	0	16.90	16.86	16.78				
16	HQDM	36	20	16.91	16.86	16.88				
16	HQDM	36	36	17.00	16.94	16.74				
16	SSQAM	1	0	16.98	16.97	16.84	18.2	0		
16	SSQAM	1	37	16.83	16.95	16.79				
16	SSQAM	1	74	16.83	16.99	16.93				
16	SSQAM	36	0	16.84	16.93	16.72				
16	SSQAM	36	20	16.93	16.93	16.71	18.2	0		
16	SSQAM	36	36	16.83	16.95	16.79				
16	SSQAM	75	0	16.87	16.96	16.92				
Channel				130002	130022	130062	Turn-on time (sec)	MFR (dB)		
Frequency (MHz)										
16	QPSK	1	0	17.06	17.07	16.97	18.2	0		
16	QPSK	1	25	16.94	16.99	16.87				
16	QPSK	1	40	16.98	16.89	16.80				
16	QPSK	25	0	16.99	16.94	16.86				
16	QPSK	25	12	16.80	17.01	16.84	18.2	0		
16	QPSK	25	25	16.95	16.84	16.82				
16	QPSK	50	0	16.89	17.01	16.85				
16	HQDM	1	0	16.97	16.98	16.81				
16	HQDM	1	25	16.88	17.05	16.89	18.2	0		
16	HQDM	1	40	16.96	17.06	16.81				
16	HQDM	25	0	16.89	16.99	16.81				
16	HQDM	25	12	16.78	16.81	16.83				
16	HQDM	25	25	16.97	16.83	16.93	18.2	0		
16	HQDM	50	0	16.83	17.08	16.82				
16	HQDM	1	0	17.00	17.08	16.77				
16	HQDM	1	25	16.94	16.85	16.78				
16	HQDM	1	40	16.83	16.91	16.84	18.2	0		
16	HQDM	25	0	16.84	16.88	16.78				
16	HQDM	25	12	16.90	16.91	16.75				
16	HQDM	25	25	16.87	16.94	16.76				
16	HQDM	50	0	16.77	17.03	16.75	18.2	0		
16	SSQAM	1	0	16.92	16.90	16.82				
16	SSQAM	1	25	16.83	16.93	16.81				
16	SSQAM	1	40	16.81	16.97	16.81				
16	SSQAM	25	0	16.72	16.94	16.77	18.2	0		
16	SSQAM	25	12	16.91	16.91	16.71				
16	SSQAM	25	25	16.84	17.02	16.88				
16	SSQAM	50	0	16.81	16.99	16.85				
Channel				130017	130017	130057	Turn-on time (sec)	MFR (dB)		
Frequency (MHz)										
8	QPSK	1	0	16.96	17.03	16.92	18.2	0		
8	QPSK	1	12	16.95	16.90	16.85				
8	QPSK	1	24	16.92	16.94	16.86				
8	QPSK	12	0	17.00	16.96	16.95				
8	QPSK	12	7	16.83	16.93	16.93	18.2	0		
8	QPSK	12	13	17.00	16.83	16.88				
8	QPSK	24	0	16.90	16.97	16.84				
8	HQDM	1	0	16.95	16.96	16.72				
8	HQDM	1	12	16.83	17.04	16.84	18.2	0		
8	HQDM	1	24	16.90	17.08	16.78				
8	HQDM	12	0	16.86	17.08	16.75				
8	HQDM	12	7	16.92	16.84	16.91				
8	HQDM	12	13	16.98	16.90	16.83	18.2	0		
8	HQDM	25	0	16.81	17.05	16.86				
8	HQDM	1	0	16.98	16.99	16.76				
8	HQDM	1	12	16.83	16.98	16.81				
8	HQDM	1	24	16.98	16.97	16.79	18.2	0		
8	HQDM	12	0	16.85	16.82	16.85				
8	HQDM	12	7	16.94	16.88	16.82				
8	HQDM	12	13	16.98	16.99	16.73				
8	HQDM	25	0	16.82	17.04	16.76	18.2	0		
8	SSQAM	1	0	16.90	16.94	16.86				
8	SSQAM	1	12	16.92	16.94	16.71				
8	SSQAM	1	24	16.86	16.97	16.93				
8	SSQAM	12	0	16.84	16.91	16.76	18.2	0		
8	SSQAM	12	7	16.83	16.85	16.79				
8	SSQAM	12	13	16.80	17.01	16.80				
8	SSQAM	25	0	16.82	17.02	16.80				
Channel				130107	130122	130166	Turn-on time (sec)	MFR (dB)		
Frequency (MHz)										
3	QPSK	1	0	16.94	17.04	16.89	18.2	0		
3	QPSK	1	8	16.92	16.99	16.86				
3	QPSK	1	14	16.92	16.91	16.79				
3	QPSK	8	0	17.02	17.03	16.87				
3	QPSK	8	4	16.97	16.97	16.81	18.2	0		
3	QPSK	8	7	17.01	16.83	16.80				
3	QPSK	16	0	16.99	16.99	16.82				
3	HQDM	1	0	17.03	16.88	16.83				
3	HQDM	1	8	16.78	17.02	16.87	18.2	0		
3	HQDM	1	14	16.88	17.09	16.84				
3	HQDM	8	0	17.02	17.02	16.86				
3	HQDM	8	4	16.81	16.90	16.90				
3	HQDM	8	7	16.83	16.83	16.90	18.2	0		
3	HQDM	16	0	16.98	16.93	16.90				
3	HQDM	1	0	16.98	16.94	16.90				
3	HQDM	1	8	16.91	17.06	16.78				
3	HQDM	1	8	16.98	16.94	16.90	18.2	0		
3	HQDM	14	0	16.94	16.94	16.80				
3	HQDM	8	4	16.88	16.82	16.79				
3	HQDM	7	0	16.91	16.91	16.77				
3	HQDM	16	0	16.95	16.97	16.86	18.2	0		
3	HQDM	1	0	16.90	16.96	16.77				
3	HQDM	1	8	16.92	16.96	16.81				
3	SSQAM	1	14	16.77	16.95	16.88				
3	SSQAM	8	0	16.81	16.93	16.83	18.2	0		
3	SSQAM	8	4	16.82	16.83	16.81				
3	SSQAM	8	7	16.87	17.08	16.84				
3	SSQAM	16	0	16.81	17.07	16.86				
Channel				130107	130122	130166	Turn-on time (sec)	MFR (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	17.02	17.05	17.03	18.2	0		
1.4	QPSK	1	5	17.05	16.98	16.93				
1.4	QPSK	1	9	17.00	16.99	16.97				
1.4	QPSK	1	13	16.95	16.95	16.84				
1.4	QPSK	3	0	16.96	16.88	16.76	18.2	0		
1.4	QPSK	3	3	16.98	16.83	16.76				
1.4	QPSK	3	6	16.98	16.86	16.80				
1.4	QPSK	1	0	16.95	16.91	16.78				
1.4	HQDM	1	0	16.95	16.91	16.78	18.2	0		
1.4	HQDM	1	3	16.87	17.05	16.96				
1.4	HQDM	3	0	16.97	17.00	16.80				
1.4	HQDM	3	1	16.81	17.00	16.86				
1.4	HQDM	3	1	16.87	17.07	16.87	18.2	0		
1.4	HQDM	3	1	16.87	17.03	16.77				
1.4	HQDM	5	0	16.95	16.82	16.77				
1.4	HQDM	3	0	16.94	16.86	16.79				
1.4	HQDM	3	3	17.02	16.94	16.76	18.2	0		
1.4	HQDM	3	3	16.99	16.84	16.73				
1.4	HQDM	6	0	17.00	16.94	16.83				
1.4	SSQAM	1	3	16.82	17.01	16.78				
1.4	SSQAM	1	5	16.87	16.93	16.94	18.2	0		
1.4	SSQAM	1	9	16.81	16.93	16.79				
1.4	SSQAM	3	0	16.81	16.83	16.78				
1.4	SSQAM	3	0	16.83	17.00	16.84				

Band 38 Ant 1 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [dBm]	APRS [dB]	
Channel									
				37600	38000	38150			
20	QPSK	1	0	18.79	18.86	18.81			
20	QPSK	1	49	18.79	18.81	18.78		20	0
20	QPSK	1	99	18.84	18.77	18.76			
20	QPSK	50	0	18.80	18.85	18.78			
20	QPSK	50	24	18.80	18.82	18.71		20	0
20	QPSK	50	49	18.79	18.81	18.72			
20	QPSK	100	0	18.81	18.84	18.76			
20	16QAM	1	0	18.74	18.75	18.77			
20	16QAM	1	49	18.76	18.77	18.64			
20	16QAM	1	99	18.78	18.76	18.76			
20	16QAM	50	0	18.75	18.84	18.64			
20	16QAM	50	24	18.73	18.74	18.73		20	
20	16QAM	50	49	18.72	18.77	18.72			
20	16QAM	100	0	18.75	18.83	18.64			
20	16QAM	100	0	18.73	18.76	18.75			
20	16QAM	100	49	18.72	18.77	18.72		20	0
20	16QAM	50	0	18.69	18.76	18.63			
20	16QAM	50	24	18.76	18.82	18.78			
20	16QAM	50	49	18.70	18.78	18.71		20	0
20	16QAM	100	0	18.80	18.82	18.67			
20	256QAM	1	0	18.03	18.01	17.79			
20	256QAM	1	49	17.87	17.97	18.07		19	1
20	256QAM	1	99	17.76	17.77	17.88			
20	256QAM	1	49	17.73	17.84	17.84			
20	256QAM	50	24	17.97	17.92	17.87			
20	256QAM	50	50	17.82	17.84	17.85			
20	256QAM	100	0	17.82	17.85	18.03			
Frequency [MHz]									
				2575.5	2595	2612.5			
15	QPSK	1	0	18.71	18.69	18.70			
15	QPSK	1	37	18.72	18.77	18.66			
15	QPSK	1	74	18.74	18.73	18.71			
15	QPSK	50	0	18.70	18.76	18.70			
15	QPSK	36	39	18.76	18.63	18.65		20	0
15	QPSK	75	0	18.76	18.82	18.64			
15	16QAM	1	0	18.75	18.78	18.58			
15	16QAM	1	37	18.74	18.79	18.69			
15	16QAM	1	74	18.73	18.72	18.68			
15	16QAM	36	0	18.70	18.69	18.72			
15	16QAM	36	39	18.63	18.68	18.64		20	0
15	16QAM	75	0	18.70	18.75	18.60			
15	16QAM	75	37	18.64	18.81	18.72			
15	64QAM	1	0	18.71	18.81	18.59			
15	64QAM	1	37	18.75	18.80	18.67		20	0
15	64QAM	1	74	18.67	18.77	18.73			
15	64QAM	36	0	18.70	18.79	18.67			
15	64QAM	36	39	18.69	18.79	18.73		20	0
15	64QAM	75	0	18.69	18.82	18.73			
15	256QAM	1	0	17.86	17.84	17.78			
15	256QAM	1	37	17.87	17.91	18.00			
15	256QAM	1	74	17.68	17.85	17.87			
15	256QAM	36	0	17.80	17.75	17.93			
15	256QAM	36	39	17.80	17.76	17.93			
15	256QAM	75	0	17.81	17.83	18.06			
15	256QAM	75	37	17.81	17.75	17.99			
Channel									
				37600	38000	38150			
10	QPSK	1	0	18.69	18.67	18.65			
10	QPSK	1	49	18.70	18.70	18.69			
10	QPSK	1	99	18.64	18.72	18.67			
10	QPSK	25	12	18.76	18.78	18.70			
10	QPSK	25	37	18.75	18.70	18.68		20	0
10	QPSK	50	0	18.71	18.78	18.68			
10	16QAM	1	0	18.66	18.81	18.74			
10	16QAM	1	25	18.65	18.68	18.65		20	0
10	16QAM	1	49	18.66	18.73	18.62			
10	16QAM	25	12	18.74	18.74	18.65			
10	16QAM	25	37	18.77	18.77	18.69			
10	16QAM	25	12	18.73	18.60	18.65			
10	16QAM	50	0	18.74	18.76	18.71			
10	16QAM	50	1	18.65	18.74	18.66			
10	64QAM	25	12	18.67	18.70	18.66			
10	64QAM	1	49	18.67	18.74	18.69			
10	64QAM	25	0	18.75	18.82	18.66			
10	64QAM	25	12	18.64	18.80	18.65			
10	64QAM	50	0	18.69	18.76	18.69		20	0
10	64QAM	50	0	18.69	18.76	18.64			
10	256QAM	1	0	17.95	17.98	17.94			
10	256QAM	1	25	17.87	17.90	18.01			
10	256QAM	1	49	17.68	17.72	17.84			
10	256QAM	25	12	17.80	17.80	17.82		19	1
10	256QAM	25	12	17.80	17.76	17.89			
10	256QAM	25	25	17.80	17.84	17.78			
10	256QAM	50	0	17.82	17.84	18.00			
Frequency [MHz]									
				2575.5	2595	2612.5			
5	QPSK	1	0	18.76	18.71	18.61			
5	QPSK	1	12	18.78	18.71	18.81		20	0
5	QPSK	1	24	18.79	18.78	18.70			
5	QPSK	1	49	18.74	18.71	18.62			
5	QPSK	12	7	18.72	18.77	18.61			
5	QPSK	12	13	18.64	18.78	18.71		20	0
5	QPSK	25	0	18.74	18.69	18.59			
5	16QAM	1	0	18.66	18.67	18.66			
5	16QAM	1	12	18.75	18.72	18.68		20	0
5	16QAM	1	24	18.72	18.81	18.62			
5	16QAM	12	0	18.73	18.82	18.69			
5	16QAM	12	7	18.72	18.75	18.68			
5	16QAM	13	13	18.74	18.74	18.61			
5	16QAM	25	0	18.71	18.69	18.63			
5	64QAM	1	0	18.65	18.81	18.72			
5	64QAM	1	12	18.74	18.81	18.69			
5	64QAM	1	24	18.65	18.72	18.60			
5	64QAM	12	0	18.69	18.80	18.75		20	0
5	64QAM	12	7	18.74	18.73	18.68			
5	64QAM	12	13	18.76	18.78	18.70			
5	64QAM	25	0	18.76	18.73	18.59			
5	256QAM	1	0	17.88	17.87	17.72			
5	256QAM	1	12	17.91	17.86	17.95			
5	256QAM	1	24	17.75	17.81	17.83			
5	256QAM	12	0	17.71	17.76	17.92			
5	256QAM	12	0	17.80	17.76	17.85			
5	256QAM	13	13	17.81	17.81	17.78		19	1
5	256QAM	25	0	17.80	17.70	17.92			

Band 41 Ant 1 DS12												
SW (MHz)	Module	RB Size	RB offset	Power Low Ch / Freq	Power Low Mid / Freq	Power Middle Ch / Freq	Power High Mid / Freq	Power High Ch / Freq	Turn-on time (μs)	MPR (dB)		
Channel												
				39790	40185	40620	41055	41490				
25	QPSK	1	0	18.72	18.68	18.77	18.72	18.74				
25	QPSK	1	25	18.73	18.68	18.72	18.72	18.74				
20	QPSK	1	99	18.71	18.65	18.73	18.73	18.70		20	0	
20	QPSK	50	0	18.70	18.71	18.75	18.68	18.69				
20	QPSK	50	24	18.69	18.72	18.60	18.67	18.66		20	0	
20	QPSK	50	49	18.69	18.68	18.74	18.63	18.60				
20	QPSK	100	0	18.69	18.72	18.60	18.72	18.67				
20	16QAM	1	0	18.69	18.73	18.58	18.73	18.70				
20	16QAM	1	49	18.65	18.70	18.63	18.68	18.59		20	0	
20	16QAM	1	99	18.75	18.68	18.59	18.69	18.73				
20	16QAM	50	0	18.67	18.72	18.59	18.66	18.64				
20	16QAM	50	24	18.62	18.70	18.61	18.68	18.65		20		
20	16QAM	50	50	18.67	18.73	18.63	18.73	18.65				
20	16QAM	100	0	18.67	18.76	18.70	18.60	18.67				
20	16QAM	1	0	18.65	18.71	18.63	18.58	18.68				
20	16QAM	1	49	18.59	18.75	18.56	18.66	18.64				
20	16QAM	1	99	18.75	18.70	18.64	18.66	18.60				
20	16QAM	50	0	18.69	18.71	18.70	18.68	18.71				
20	16QAM	50	24	18.71	18.74	18.66	18.59	18.72		20	0	
20	16QAM	50	49	18.69	18.68	18.59	18.64	18.71				
20	16QAM	100	0	18.67	18.70	18.69	18.65	18.68				
Channel												
				25910	26305	26740	27175	27610				
25	QPSK	1	0	17.86	17.81	17.57	17.87	17.80				
20	QPSK	1	49	17.88	17.67	17.87	17.67	17.71		19	1	
20	QPSK	1	99	17.53	17.57	17.66	17.59	17.70				
20	QPSK	50	0	17.87	17.88	17.86	17.84	17.80				
20	QPSK	50	24	17.69	17.69	17.71	17.60	17.70		19	1	
20	QPSK	50	50	17.62	17.71	17.62	17.66	17.57				
20	QPSK	100	0	17.63	17.65	17.70	17.64	17.70				
Frequency (MHz)												
				25515	25843	26171	26500	26828				
15	QPSK	1	0	18.85	18.83	18.53	18.58	18.58				
15	QPSK	1	37	18.58	18.58	18.60	18.52	18.62		20	0	
15	QPSK	1	74	18.64	18.71	18.57	18.50	18.61				
15	QPSK	36	0	18.53	18.68	18.59	18.54	18.55				
15	QPSK	36	36	18.60	18.66	18.60	18.51	18.48				
15	QPSK	36	36	18.56	18.58	18.63	18.53	18.59				
15	QPSK	75	0	18.67	18.72	18.55	18.59	18.56				
15	16QAM	1	0	18.55	18.61	18.57	18.56	18.60				
15	16QAM	1	37	18.57	18.62	18.60	18.52	18.59				
15	16QAM	1	74	18.60	18.65	18.58	18.54	18.51				
15	16QAM	36	0	18.61	18.62	18.62	18.62	18.64				
15	16QAM	36	36	18.59	18.59	18.53	18.61	18.64		20	0	
15	16QAM	36	36	18.63	18.63	18.63	18.56	18.59				
15	16QAM	75	0	18.64	18.63	18.50	18.54	18.52				
15	16QAM	1	0	18.56	18.66	18.64	18.61	18.53				
15	16QAM	1	37	18.55	18.70	18.49	18.54	18.53		20	0	
15	16QAM	1	74	18.58	18.59	18.57	18.57	18.57				
15	16QAM	36	0	18.56	18.68	18.68	18.54	18.53				
15	16QAM	36	36	18.56	18.70	18.61	18.60	18.50		20	0	
15	16QAM	36	36	18.59	18.70	18.61	18.64	18.63				
15	16QAM	75	0	18.55	18.63	18.53	18.59	18.54				
15	16QAM	1	17	17.75	17.78	17.56	17.71	17.82				
15	25QAM	1	37	17.57	17.61	17.77	17.74	17.74				
15	25QAM	1	74	17.50	17.55	17.64	17.56	17.66				
15	25QAM	36	0	17.61	17.60	17.76	17.57	17.63				
15	25QAM	36	36	17.64	17.68	17.70	17.64	17.81		19	1	
15	25QAM	36	36	17.67	17.68	17.70	17.63	17.72				
15	25QAM	75	0	17.56	17.55	17.77	17.54	17.52				
Channel												
				39790	40185	40620	41088	41540				
25	QPSK	1	0	18.85	18.83	18.55	18.49	18.48				
25	QPSK	1	25	18.85	18.85	18.56	18.50	18.49				
20	QPSK	1	99	18.87	18.68	18.56	18.53	18.53		20	0	
20	QPSK	50	0	18.86	18.60	18.62	18.50	18.52				
20	QPSK	50	24	18.64	18.63	18.57	18.50	18.64		20	0	
20	QPSK	50	49	18.63	18.68	18.56	18.56	18.59				
20	QPSK	100	0	18.84	18.70	18.49	18.54	18.58				
20	16QAM	1	0	18.84	18.57	18.56	18.56	18.61				
20	16QAM	1	25	18.62	18.61	18.60	18.52	18.59		20	0	
20	16QAM	49	0	18.63	18.61	18.53	18.54	18.62				
20	16QAM	50	0	18.63	18.68	18.68	18.61	18.61				
20	16QAM	50	24	18.55	18.66	18.62	18.58	18.63				
20	16QAM	50	25	18.63	18.67	18.50	18.51	18.50				
20	16QAM	50	50	18.53	18.67	18.49	18.60	18.52				
20	16QAM	100	0	18.53	18.72	18.59	18.59	18.59				
20	16QAM	25	0	18.64	18.61	18.61	18.55	18.63				
20	16QAM	1	49	18.54	18.66	18.64	18.58	18.51				
20	16QAM	25	0	18.63	18.71	18.55	18.55	18.55				
20	16QAM	25	12	18.66	18.69	18.53	18.54	18.49		20	0	
20	16QAM	50	0	18.57	18.73	18.52	18.50	18.50				
20	16QAM	50	0	18.54	18.61	18.50	18.50	18.48				
20	16QAM	1	49	17.73	17.78	17.50	17.75	17.70				
20	25QAM	1	25	17.84	17.66	17.77	17.74	17.71		19	1	
20	25QAM	1	49	17.48	17.62	17.60	17.62	17.57				
20	25QAM	25	0	17.65	17.63	17.60	17.62	17.64				
20	25QAM	25	12	17.75	17.52	17.64	17.66	17.57		19	1	
20	25QAM	25	25	17.68	17.63	17.60	17.60	17.69				
20	25QAM	50	0	17.57	17.58	17.71	17.58	17.60				
Frequency (MHz)												
				24985	25458	25953	26430	26917				
5	QPSK	1	0	18.88	18.72	18.57	18.55	18.61				
5	QPSK	1	12	18.69	18.66	18.60	18.50	18.63		20	0	
5	QPSK	24	0	18.67	18.60	18.49	18.55	18.52				
5	QPSK	12	0	18.87	18.73	18.58	18.56	18.62				
5	QPSK	12	7	18.82	18.59	18.55	18.59	18.58				
5	QPSK	12	13	18.66	18.66	18.48	18.59	18.49				
5	QPSK	25	0	18.88	18.71	18.62	18.50	18.58				
5	16QAM	1	0	18.87	18.62	18.59	18.50	18.60				
5	16QAM	1	12	18.69	18.73	18.58	18.50	18.61				
5	16QAM	1	24	18.53	18.72	18.59	18.55	18.49				
5	16QAM	12	0	18.56	18.71	18.56	18.53	18.62				
5	16QAM	12	7	18.66	18.69	18.49	18.59	18.55		20	0	
5	16QAM	12	13	18.66	18.65	18.48	18.56	18.48				
5	16QAM	25	0	18.80	18.62	18.48	18.60	18.53				
5	16QAM	1	0	18.88	18.57	18.63	18.53	18.55				
5	16QAM	1	12	18.63	18.58	18.53	18.54	18.58		20	0	
5	16QAM	1	24	18.60	18.66	18.52	18.58	18.62				
5	16QAM	12	0	18.67	18.62	18.63	18.55	18.48				
5	16QAM	12	7	18.56	18.64	18.55	18.62	18.55				
5	16QAM	12	13	18.66	18.68	18.50	18.58	18.53				
5	25QAM	25	0	18.61	18.60	18.52	18.51	18.53				
5	25QAM	1	12	17.68	17.73	17.62	17.62	17.62				
5	25QAM	1	12	17.57	17.71	17.69	17.70	17.67		19	1	
5	25QAM	1	24	17.54	17.55	17.67	17.65	17.53				
5	25QAM	12	0	17.56	17.59	17.68	17.60	17.49				
5	25QAM	12	7	17.67	17.67	17.59	17.53	17.58				
5	25QAM	12	13	17.67	17.67	17.52	17.52	17.52		19	1	
5	25QAM	25	0	17.58	17.58	17.79	17.59	17.63				

Band 41 HPUE Ant 1 DS12												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Middle Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Turn-up time (s)	MPE (dB)		
Channel				36760	41850	46960	41055	41490				
Frequency (MHz)				2505	2548.5	2593	2535.5	2580				
20	QPSK	1	0	20.37	20.41	20.42	20.38	20.35	21.6	0		
20	QPSK	1	49	20.38	20.34	20.34	20.34	20.41				
20	QPSK	1	99	20.37	20.36	20.41	20.38	20.28				
20	QPSK	50	0	20.35	20.38	20.39	20.37	20.38				
20	QPSK	50	24	20.28	20.30	20.37	20.28	20.32				
20	QPSK	50	49	20.32	20.31	20.36	20.32	20.31	21.6	0		
20	QPSK	100	0	20.36	20.33	20.36	20.38	20.37				
20	16QAM	1	0	20.37	20.35	20.36	20.27	20.35				
20	16QAM	1	49	20.26	20.29	20.28	20.31	20.26				
20	16QAM	1	99	20.37	20.38	20.38	20.28	20.21				
20	QPSK	50	0	20.36	20.36	20.34	20.38	20.38	21.6	0		
20	16QAM	50	24	20.26	20.39	20.41	20.29	20.21				
20	16QAM	50	49	20.31	20.32	20.36	20.31	20.41				
20	16QAM	100	0	20.31	20.36	20.38	20.40	20.36				
20	16QAM	100	0	20.24	20.33	20.27	20.35	20.37				
20	16QAM	50	49	20.27	20.31	20.35	20.31	20.38	21.6	0		
20	16QAM	1	99	20.37	20.41	20.33	20.41	20.38				
20	QPSK	50	0	20.32	20.41	20.34	20.27	20.36				
20	QPSK	50	24	20.36	20.41	20.40	20.35	20.35				
20	QPSK	50	49	20.23	20.26	20.29	20.35	20.39				
20	QPSK	100	0	20.28	20.27	20.36	20.32	20.38	21.6	0		
20	25QAM	1	0	20.36	20.28	20.32	20.31	20.28				
20	25QAM	1	49	20.36	20.31	20.28	20.28	20.31				
20	25QAM	1	99	20.31	20.28	20.33	20.31	20.37				
20	QPSK	50	0	20.36	20.33	20.32	20.38	20.38				
20	25QAM	50	24	20.35	20.39	20.27	20.35	20.32	11.95 10.95 10.95 10.95 10.95	10.95 10.95 10.95 10.95 10.95	10.95 10.95 10.95 10.95 10.95	10.95 10.95 10.95 10.95 10.95
20	25QAM	50	49	20.28	20.30	20.29	20.38	20.31				
20	25QAM	100	0	20.35	20.39	20.27	20.35	20.32				
Channel				25015	2548.5	2593	2535.5	2580				
Frequency (MHz)				25015	2548.5	2593	2535.5	2580				
15	QPSK	1	0	20.16	20.18	20.29	20.33	20.16	21.60	0		
15	QPSK	1	37	20.20	20.25	20.21	20.18	20.24				
15	QPSK	1	74	20.28	20.22	20.29	20.17	20.23				
15	QPSK	36	0	20.28	20.22	20.24	20.21	20.25				
15	QPSK	36	20	20.24	20.28	20.19	20.21	20.25				
15	QPSK	36	36	20.18	20.29	20.28	20.18	20.30	21.6	0		
15	QPSK	75	0	20.29	20.27	20.25	20.31	20.30				
15	16QAM	1	0	20.22	20.29	20.30	20.24	20.29				
15	16QAM	1	37	20.28	20.22	20.24	20.27	20.27				
15	16QAM	1	74	20.27	20.30	20.28	20.29	20.23				
15	16QAM	36	0	20.20	20.24	20.29	20.25	20.25	21.6	0		
15	16QAM	36	20	20.22	20.31	20.32	20.28	20.24				
15	16QAM	75	0	20.21	20.31	20.32	20.28	20.24				
15	16QAM	75	0	20.25	20.26	20.29	20.21	20.27				
15	16QAM	1	0	20.15	20.31	20.27	20.25	20.19				
15	QPSK	1	37	20.22	20.32	20.32	20.22	20.18	21.6	0		
15	QPSK	1	74	20.14	20.28	20.30	20.26	20.27				
15	QPSK	36	0	20.28	20.22	20.24	20.27	20.27				
15	QPSK	36	20	20.23	20.32	20.33	20.32	20.20				
15	QPSK	36	36	20.16	20.27	20.28	20.18	20.25				
15	QPSK	75	0	20.17	20.29	20.28	20.32	20.20	21.6	0		
15	25QAM	1	0	20.18	20.28	20.24	20.33	20.27				
15	25QAM	1	37	20.24	20.31	20.32	20.30	20.21				
15	25QAM	1	74	20.28	20.19	20.23	20.28	20.21				
15	25QAM	36	0	20.28	20.27	20.30	20.32	20.17				
15	25QAM	36	20	20.21	20.24	20.23	20.32	20.29	21.6	0		
15	25QAM	36	36	20.16	20.23	20.28	20.28	20.20				
15	25QAM	75	0	20.21	20.29	20.19	20.28	20.18				
Channel				36700	40160	46960	41080	41560				
Frequency (MHz)				2501	2547	2593	2539	2585				
10	QPSK	1	0	20.22	20.23	20.20	20.25	20.25	21.6	0		
10	QPSK	1	49	20.28	20.25	20.32	20.31	20.21				
10	QPSK	25	0	20.15	20.26	20.22	20.28	20.27				
10	QPSK	25	12	20.17	20.30	20.32	20.18	20.22				
10	QPSK	25	25	20.13	20.29	20.32	20.30	20.20				
10	QPSK	50	0	20.17	20.17	20.25	20.25	20.25	21.6	0		
10	16QAM	1	0	20.17	20.20	20.24	20.19	20.23				
10	16QAM	1	25	20.23	20.32	20.32	20.26	20.30				
10	16QAM	1	49	20.21	20.24	20.19	20.19	20.28				
10	16QAM	25	0	20.14	20.23	20.29	20.28	20.18				
10	16QAM	25	12	20.20	20.30	20.29	20.28	20.28	21.6	0		
10	16QAM	25	25	20.13	20.25	20.28	20.28	20.18				
10	16QAM	50	0	20.13	20.25	20.28	20.33	20.24				
10	16QAM	1	0	20.27	20.19	20.28	20.18	20.28				
10	16QAM	1	49	20.20	20.21	20.29	20.27	20.32				
10	16QAM	1	99	20.27	20.32	20.31	20.21	20.28	21.6	0		
10	16QAM	25	0	20.26	20.21	20.25	20.32	20.26				
10	16QAM	25	12	20.15	20.18	20.32	20.26	20.24				
10	16QAM	25	25	20.14	20.23	20.29	20.28	20.20				
10	16QAM	50	0	20.24	20.32	20.20	20.32	20.30				
10	25QAM	1	0	20.27	20.17	20.19	20.20	20.33	21.6	0		
10	25QAM	1	25	20.28	20.18	20.22	20.21	20.22				
10	25QAM	1	49	20.28	20.21	20.23	20.31	20.25				
10	25QAM	25	0	20.21	20.23	20.23	20.27	20.23				
10	25QAM	25	12	20.22	20.27	20.19	20.23	20.27				
10	25QAM	25	25	20.26	20.22	20.28	20.30	20.28	21.6	0		
10	25QAM	50	0	20.16	20.20	20.28	20.21	20.23				
Channel				25015	2548.5	2593	2535.5	2580				
Frequency (MHz)				25015	2548.5	2593	2535.5	2580				
5	QPSK	1	0	20.27	20.28	20.25	20.25	20.29				
5	QPSK	1	12	20.21	20.27	20.23	20.23	20.33				
5	QPSK	24	0	20.24	20.18	20.21	20.27	20.28				
5	QPSK	12	0	20.24	20.24	20.25	20.24	20.28				
5	QPSK	12	7	20.27	20.20	20.25	20.25	20.28				
5	QPSK	12	13	20.25	20.30	20.28	20.31	20.25	21.6	0		
5	QPSK	25	0	20.21	20.31	20.26	20.22	20.29				
5	QPSK	25	12	20.23	20.33	20.20	20.35	20.26				
5	16QAM	1	0	20.27	20.28	20.25	20.25	20.28				
5	16QAM	1	24	20.27	20.33	20.23	20.28	20.21				
5	16QAM	12	0	20.24	20.20	20.31	20.26	20.19	21.6	0		
5	16QAM	12	7	20.27	20.29	20.31	20.21	20.20				
5	16QAM	12	13	20.24	20.29	20.28	20.28	20.30				
5	16QAM	1	0	20.27	20.31	20.32	20.22	20.30				
5	16QAM	1	12	20.19	20.24	20.27	20.32	20.32				
5	25QAM	1	24	20.13	20.24	20.21	20.27	20.18	21.6	0		
5	25QAM	12	0	20.28	20.27	20.28	20.27	20.28				
5	25QAM	12	7	20.27	20.28	20.22	20.30	20.20				
5	25QAM	12	13	20.13	20.27	20.24	20.31	20.21				
5	25QAM	25	0	20.21	20.21	20.32	20.27	20.30				
5	25QAM	1	0	20.16	20.20	20.28	20.28	20.18	21.6	0		
5	25QAM	1	12	20.19	20.28	20.32	20.17	20.19				
5	25QAM	1	24	20.18	20.18	20.29	20.31	20.24				
5	25QAM	12	0	20.14	20.18	20.17	20.23	20.29				
5	25QAM	12	7	20.15	20.20	20.20	20.34	20.31				
5	25QAM	12	13	20.20	20.20	20.20	20.20	20.18	21.6	0		
5	25QAM	25	0	20.22	20.33	20.33	20.24	20.24				

GSM1900 Ant 2 DSIS2											
GSM1900 Ant 2		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)			Tune-up Limit	
TX Channel		512	661	810	Limit	512	661	810	Limit		
Frequency (MHz)		1852.2	1860	1868.8	(dBm)	1852.2	1860	1868.8	(dBm)		
GSM 1 Tx slot		28.65	29.98	29.65	30.50	19.65	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		28.55	27.87	27.71	28.50	20.55	21.87	21.71	22.50		
GPRS 3 Tx slots		25.07	26.15	26.12	27.00	20.75	21.83	21.86	22.14		
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	24.50	25.50	17.58	18.55	18.53	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 DSIS2										WCDMA IV Ant 2 DSIS2	
Band		WCDMA II Ant 2			Tune-up Limit		WCDMA IV Ant 2			Tune-up Limit	
TX Channel		9282	9400	9538	Limit	1312	1413	1513	Limit		
RX Channel		8652	8800	8958	(dBm)	1537	1638	1738	(dBm)		
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6			
3GPP Rel 99		22.34	22.43	22.42	24.00	22.45	22.35	22.47	24.00		
3GPP Rel 99		22.34	22.45	22.43	24.00	22.43	22.51	22.45	24.00		
3GPP Rel 6		21.30	21.36	21.44	23.00	21.41	21.47	21.47	23.00		
3GPP Rel 6		21.41	21.41	21.53	23.00	21.44	21.42	21.43	23.00		
3GPP Rel 6		20.82	21.01	20.88	22.50	20.87	20.82	20.82	22.50		
3GPP Rel 6		20.86	20.92	20.85	22.50	20.84	20.86	20.86	22.50		
3GPP Rel 8		21.32	21.54	21.48	23.00	21.37	21.42	21.42	23.00		
3GPP Rel 8		21.41	21.48	21.29	23.00	21.52	21.51	21.36	23.00		
3GPP Rel 8		20.77	20.88	20.93	22.50	20.74	20.90	21.01	22.50		
3GPP Rel 8		20.92	20.95	20.85	22.50	20.94	20.95	20.81	22.50		
3GPP Rel 6		21.40	21.37	21.49	23.00	21.38	21.40	21.40	23.00		
3GPP Rel 6		19.41	19.45	19.49	21.00	19.31	19.52	19.44	21.00		
3GPP Rel 6		20.37	20.44	20.52	22.00	20.43	20.38	20.58	22.00		
3GPP Rel 6		19.34	19.43	19.45	21.00	19.34	19.47	19.53	21.00		
3GPP Rel 6		21.36	21.50	21.52	23.00	21.36	21.53	21.49	23.00		

Band 2 Ant 2 DS12									
BW (MHz)	Modulat (MHz)	RB Size (MHz)	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-on Time (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
20	OPSK	1	0	22.48	22.49	22.44			
20	OPSK	1	8	22.53	22.41	22.35	24	0	
20	OPSK	1	96	22.56	22.49	22.45			
20	OPSK	50	0	21.44	21.47	21.38			
20	OPSK	50	24	21.48	21.37	21.45			
20	OPSK	50	50	21.29	21.29	21.27	23	1	
20	OPSK	100	0	21.41	21.45	21.37			
20	16QAM	1	0	21.25	21.31	21.25			
20	16QAM	1	49	21.36	21.38	21.29	23	1	
20	16QAM	1	99	21.38	21.40	21.40			
20	16QAM	50	0	20.65	20.62	20.44			
20	16QAM	50	24	20.37	20.25	20.31	22	2	
20	16QAM	50	50	20.31	20.29	20.24			
20	16QAM	100	0	20.34	20.45	20.44			
20	16QAM	1	0	20.37	20.36	20.35			
20	16QAM	1	49	20.21	20.21	20.21	22	2	
20	16QAM	1	99	20.39	20.39	20.35			
20	16QAM	50	0	19.38	19.38	19.41			
20	16QAM	50	24	19.59	19.53	19.59	21	3	
20	16QAM	50	50	19.48	19.54	19.58			
20	16QAM	100	0	19.43	19.59	19.42			
20	16QAM	1	0	17.52	17.41	17.52			
20	25QAM	1	49	17.49	17.38	17.40	19	5	
20	25QAM	1	99	17.40	17.35	17.32			
20	25QAM	50	0	17.36	17.34	17.32			
20	25QAM	50	24	17.44	17.40	17.52	19	5	
20	25QAM	50	50	17.41	17.40	17.35			
20	25QAM	100	0	17.37	17.40	17.42			
Channel									
Frequency (MHz)									
15	OPSK	1	0	22.31	22.29	22.34			
15	OPSK	1	8	22.28	22.38	22.34	24	0	
15	OPSK	1	74	22.45	22.43	22.36			
15	OPSK	36	0	21.31	21.34	21.38			
15	OPSK	36	20	21.25	21.34	21.30	23	1	
15	OPSK	36	36	21.29	21.27	21.28			
15	16QAM	75	0	21.42	21.38	21.41			
15	16QAM	1	0	21.18	21.32	21.19			
15	16QAM	1	37	21.21	21.27	21.28	23	1	
15	16QAM	1	74	21.27	21.27	21.27			
15	16QAM	36	0	20.44	20.38	20.50			
15	16QAM	36	20	20.34	20.28	20.28	22	2	
15	16QAM	36	36	20.28	20.35	20.31			
15	16QAM	75	0	20.28	20.35	20.31			
15	16QAM	1	0	20.40	20.34	20.29	22	2	
15	16QAM	1	37	20.34	20.29	20.34			
15	16QAM	1	74	20.28	20.19	20.19			
15	16QAM	36	0	19.28	19.27	19.41			
15	16QAM	36	20	19.57	19.44	19.42	21	3	
15	16QAM	36	36	19.41	19.47	19.42			
15	16QAM	75	0	19.31	19.36	19.46			
15	25QAM	1	0	17.43	17.42	17.45			
15	25QAM	1	37	17.42	17.35	17.32	19	5	
15	25QAM	1	74	17.31	17.34	17.27			
15	25QAM	36	0	17.35	17.32	17.30			
15	25QAM	36	20	17.48	17.41	17.44	19	5	
15	25QAM	36	36	17.32	17.29	17.29			
15	25QAM	75	0	17.31	17.41	17.38			
Channel									
Frequency (MHz)									
5	OPSK	1	0	22.41	22.41	22.39			
5	OPSK	1	25	22.32	22.35	22.31	24	0	
5	OPSK	1	49	22.41	22.40	22.34			
5	OPSK	25	0	21.39	21.38	21.39			
5	OPSK	25	12	21.37	21.39	21.30	23	1	
5	OPSK	25	25	21.27	21.27	21.27			
5	OPSK	40	0	21.41	21.41	21.37			
5	16QAM	1	0	21.18	21.19	21.12			
5	16QAM	1	25	21.33	21.29	21.28	23	1	
5	16QAM	1	49	21.34	21.32	21.31			
5	16QAM	25	12	20.30	20.27	20.27	22	2	
5	16QAM	25	12	20.31	20.33	20.30			
5	16QAM	50	0	20.37	20.30	20.26			
5	16QAM	1	0	20.34	20.29	20.28	22	2	
5	16QAM	1	49	20.21	20.33	20.28			
5	16QAM	1	49	20.21	20.34	20.28			
5	16QAM	25	0	19.36	19.34	19.34			
5	16QAM	25	12	19.55	19.55	19.44	21	3	
5	16QAM	25	25	19.49	19.49	19.48			
5	16QAM	50	0	19.26	19.38	19.34			
5	25QAM	1	0	17.38	17.40	17.48			
5	25QAM	1	25	17.38	17.46	17.40	19	5	
5	25QAM	1	49	17.32	17.34	17.27			
5	25QAM	25	0	17.37	17.32	17.33			
5	25QAM	25	12	17.37	17.50	17.48	19	5	
5	25QAM	25	25	17.29	17.25	17.39			
5	25QAM	50	0	17.41	17.39	17.37			
Channel									
Frequency (MHz)									
5	OPSK	1	0	22.33	22.31	22.33			
5	OPSK	1	14	22.38	22.35	22.40	24	0	
5	OPSK	8	4	21.35	21.38	21.28	23	1	
5	OPSK	8	7	21.30	21.29	21.37			
5	OPSK	15	0	21.39	21.34	21.37	23	1	
5	16QAM	1	0	21.20	21.27	21.12			
5	16QAM	1	8	21.29	21.25	21.38	23	1	
5	16QAM	1	14	21.30	21.33	21.34			
5	16QAM	8	0	20.49	20.48	20.48			
5	16QAM	8	4	20.25	20.27	20.23	22	2	
5	16QAM	8	7	20.26	20.29	20.23			
5	16QAM	15	0	20.37	20.28	20.33			
5	16QAM	1	0	20.34	20.35	20.30	22	2	
5	16QAM	1	8	20.26	20.29	20.27			
5	16QAM	1	14	20.22	20.21	20.26			
5	16QAM	8	0	19.37	19.37	19.30			
5	16QAM	8	4	19.05	19.42	19.46	21	3	
5	16QAM	8	7	19.46	19.55	19.44			
5	25QAM	1	0	17.40	17.38	17.37			
5	25QAM	1	8	17.41	17.52	17.45	19	5	
5	25QAM	1	14	17.32	17.33	17.33			
5	25QAM	8	0	17.35	17.31	17.28			
5	25QAM	8	4	17.48	17.50	17.42	19	5	
5	25QAM	8	7	17.26	17.30	17.36			
5	25QAM	15	0	17.37	17.40	17.38			
Channel									
Frequency (MHz)									
1.4	OPSK	1	0	22.46	22.45	22.38			
1.4	OPSK	1	3	22.46	22.37	22.44	24	0	
1.4	OPSK	1	5	22.45	22.35	22.37			
1.4	OPSK	3	0	22.35	22.43	22.37			
1.4	OPSK	3	1	22.41	22.31	22.27			
1.4	OPSK	3	0	22.37	22.34	22.44	23	1	
1.4	OPSK	5	0	21.35	21.43	21.35			
1.4	16QAM	1	0	21.27	21.52	21.27	23	1	
1.4	16QAM	1	3	21.25	21.32	21.23			
1.4	16QAM	3	0	21.22	21.39	21.21	23	1	
1.4	16QAM	3	1	21.38	21.41	21.22			
1.4	16QAM	5	0	20.24	20.25	20.31	22	2	
1.4	16QAM	1	0	20.25	20.34	20.34			
1.4	16QAM	3	1	20.35	20.34	20.25	22	2	
1.4	16QAM	3	1	20.35	20.34	20.25			
1.4	16QAM	3	3	20.37	20.33	20.36			
1.4	16QAM	5	0	19.40	19.40	19.33	21	3	
1.4	25QAM	1	0	17.37	17.42	17.38			
1.4	25QAM	1	3	17.25	17.42	17.46			
1.4	25QAM	1	5	17.45	17.45	17.42	19	5	
1.4	25QAM	3	0	17.48	17.48	17.44			
1.4	25QAM	3	1	17.35	17.48	17.22			
1.4	25QAM	3	3	17.37	17.52	17.33			
1.4	25QAM	5	0	17.29	17.43	17.48	19	5	

Band 4 Ant 2 DS12									
BW (MHz)	Modulat (MHz)	RB Size (MHz)	RB Offset (MHz)	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-on Time (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
20	OPSK	1	0	22.49	22.56	22.45			
20	OPSK	1	40	22.53	22.43	22.43	24	0	
20	OPSK	1	96	22.50	22.36	22.47			
20	OPSK	50	0	21.41	21.48	21.46			
20	OPSK	50	24	21.38	21.45	21.43	23	1	
20	OPSK	50	50	21.30	21.31	21.27			
20	OPSK	100	0	21.41	21.45	21.38			
20	16QAM	1	0	21.20	21.27	21.21			
20	16QAM	1	49	21.20	21.28	21.30	23	1	
20	16QAM	1	99	21.36	21	21.40			
20	16QAM	50	24	20.94	20.51	20.57			
20	16QAM	50	50	20.31	20.33	20.23			
20	16QAM	100	0	20.42	20.32	20.25			
20	16QAM	1	0	20.48	20.43	20.40			
20	16QAM	1	49	20.29	20.27	20.32	22	2	
20	16QAM	1	99	20.36	20.38	20.39			
20	16QAM	50	24	19.56	19.80	19.85			
20	16QAM	50	50	19.48	19.48	19.38			
20	16QAM	50	100	19.52	19.32	19.33			
20	16QAM	1	0	17.62	17.42	17.53			
20	16QAM	1	49	17.29	17.47	17.44			
20	16QAM	1	99	17.36	17.33	17.40			
20	16QAM	50	0	17.29	17.33	17.32			
20	16QAM	50	24	17.41	17.46	17.48			
20	16QAM	50	50	17.32	17.35	17.37			
20	16QAM	100	0	17.29	17.48	17.44			
Channel									
Frequency (MHz)									
20	OPSK	1	0	1717.5	1717.5	1717.5			
20	OPSK	1	37	1722.7	1722.7	1722.5	24	0	
20	OPSK	1	74	1722.49	1722.49	1722.38			
20	OPSK	36	0	21.40	21.33	21.35	23	1	
20	OPSK	36	36	21.41	21.43	21.43			
20	OPSK	36	36	21.38	21.40	21.34			
20	OPSK	75	0	21.42	21.40	21.32			
20	OPSK	75	37	21.42	21.32	21.29	23	1	
20	16QAM	1	0	21.36	21.36	21.26	21	1	
20	16QAM	1	74	21.46	21.38	21.36			
20	16QAM	1	148	20.29	20.53	20.41			
20	16QAM	36	20	20.38	20.36	20.39	22	2	
20	16QAM	36	36	20.39	20.25	20.38			
20	16QAM	75	20	20.39	20.34	20.34			
20	16QAM	1	0	20.41	20.45	20.32			
20	16QAM	1	37	20.37	20.37	20.37	23	2	
20	16QAM	1	74	20.34	20.33	20.23			
20	16QAM	36	0	19.42	19.43	19.30			
20	16QAM	36	36	19.42	19.51	19.47			
20	16QAM	36	36	19.58	19.50	19.53	21	3	
20	16QAM	75	0	19.32	19.32	19.34			
20	16QAM	75	37	19.32	19.34	19.34			
20	16QAM	1	0	17.40	17.41	17.40			
20	16QAM	1	37	17.50	17.39	17.40			
20	16QAM	1	74	17.41	17.38	17.34			
20	16QAM	50	0	17.41	17.46	17.48			
20	16QAM	50	24	17.42	17.43	17.44			
20	16QAM	50	50	17.32	17.33	17.33			
20	16QAM	100	0	17.40	17.41	17.40			
Channel									
Frequency (MHz)									
20	OPSK	1	0	1717.5	1717.5	1717.5			
20	OPSK	1	37	1722.7	1722.7	1722.5	24	0	
20	OPSK	1	74	1722.49	1722.49	1722.38			
20	OPSK	36	0	21.40	21.33	21.35	23	1	
20	OPSK	36	36	21.41	21.43	21.43			
20	OPSK	36	36	21.38	21.40	21.34			
20	OPSK	75	0	21.42	21.40	21.32			
20	OPSK	75	37	21.42	21.32	21.29	23	1	
20	16QAM	1	0	21.36	21.36	21.26	21	1	
20	16QAM	1	74	21.46	21.38	21.36			
20	16QAM	1	148	20.29	20.53	20.41			
20	16QAM	36	20	20.38	20.36	20.39	22	2	
20	16QAM	36	36	20.39	20.25	20.38			
20	16QAM	75	20	20.39	20.34	20.34			
20	16QAM	1	0	20.41	20.45	20.32			
20	16QAM	1	37	20.37	20.37	20.37	23	2	
20	16QAM	1	74	20.34	20.33	20.23			
20	16QAM	36	0	19.42	19.43	19.30			
20	16QAM	36	36	19.42	19.51	19.47			
20	16QAM	36	36	19.58	19.50	19.53	21	3	
20	16QAM	75	0	19.32	19.32	19.34			
20	16QAM	75	37	19.32	19.34	19.34			
20	16QAM	1	0	17.40	17.41	17.40			
20	16QAM	1	37	17.50	17.39	17.40			
20	16QAM	1	74	17.41	17.38	17.34			
20	16QAM	50	0	17.41	17.46	17.48			
20	16QAM	50	24	17.42	17.43	17.44			
20	16QAM	50	50	17.32	17.33	17.33			
20	16QAM	100	0	17.40	17.41	17.40			
Channel									
Frequency (MHz)									
20	OPSK	1	0	22.49	22.56	22.38	24	0	
20	OPSK	1	40	22.52	22.42	22.42			
20	OPSK	1	96	22.49	22.35	22.47			
20	OPSK	50	0	21.41	21.48	21.46			
20	OPSK	50	24	21.38	21.45	21.43	23	1	
20	OPSK	50	50	21.30	21.31	21.27			
20	OPSK	100	0	21.41	21.45	21.38			
20	16QAM	1	0	21.20	21.27	21.21			
20	16QAM	1	49	21.20	21.28	21.30	23	1	
20	16QAM	1	99	21.36	21	21.40			
20	16QAM	50	24	20.94	20.51	20.57			
20	16QAM	50	50	20.31	20.33	20.23			
20	16QAM	100	0	20.42	20.32	20.25			
20	16QAM	1	0	20.48	20.43	20.40			
20	16QAM	1	49	20.29	20.27	20.32	22	2	
20	16QAM	1	99	20.36	20.38	20.39			
20	16QAM	50	24	19.56	19.80	19.85			
20	16QAM	50	50	19.48	19.48	19.38			
20	16QAM	50	100	19.52	19.32	19.33			
20	16QAM	1	0	17.62	17.42	17.53			
20	16QAM	1	49	17.29	17.47	17.44			
20	16QAM	1	99	17.36	17.33	17.40			
20	16QAM	50	0	17.29	17.33	17.32			
20	16QAM	50	24	17.41	17.46	17.48			
20	16QAM	50	50	17.32	17.35	17.37			
20	16QAM	100	0	17.29	17.48	17.44			
Channel									
Frequency (MHz)									
20	OPSK	1	0	1717.5	1717.5	1717.5			
20	OPSK	1	37	1722.7	1722.7	1722.5	24	0	
20	OPSK	1	74	1722.49	1722.49	1722.38			
20	OPSK	36	0	21.40	21.33	21.35	23	1	
20	OPSK	36	36	21.41	21.43	21.43			
20	OPSK	36	36	21.38	21.40	21.34			
20	OPSK	75	0	21.42	21.40	21.32			
20	OPSK	75	37	21.42	21.32	21.29	23	1	
20	16QAM	1	0	21.36	21.36	21.26	21	1	
20	16QAM	1	74	21.46	21.38	21.36			
20	16QAM	1	148	20.29	20.53	20.41			
20	16QAM	36	20	20.38	20.36	20.39	22	2	
20	16QAM	36	36	20.39	20.25	20.38			
20	16QAM	75	20	20.39	20.34	20.34			
20	16QAM	1	0	20.41	20.45	20.32			
20	16QAM	1	37	20.37	20.37	20.37	23	2	
20	16QAM	1	74	20.34	20.33	20.23			
20	16QAM	36	0	19.42	19.43	19.30			
20	16QAM	36	36	19.42	19.51	19.47			
20	16QAM	36	36	19.58	19.50	19.53	21	3	
20	16QAM	75	0	19.32	19.32	19.34			
20	16QAM	75	37	19.32	19.34	19.34			
20	16QAM	1	0	17.40	17.41	17.40			
20	16QAM	1	37	17.50	17.39	17.40			
20	16QAM	1	74	17.41	17.38	17.34			
20	16QAM	50	0	17.41	17.46	17.48			
20	16QAM	50	24	17.42	17.43	17.44			
20	16QAM	50	50	17.32	17.33	17.33			
20	16QAM	100	0	17.40	17.41	17.40			
Channel									
Frequency (MHz)									
20	OPSK	1	0	22.49	22.56	22.38	24	0	
20	OPSK	1	40	22.52	22.42	22.42			
20	OPSK	1	96	22.49	22.35	22.47			
20	OPSK	50	0	21.41	21.48	21.46			
20	OPSK	50	24	21.38	21.45	21.43	23	1	
20	OPSK	50	50	21.30	21.31	21.27			
20	OPSK	100	0	21.41	21.45	21.38			
20	16QAM	1	0	21.20	21.27	21.21			
20	16QAM	1	49	21.20	21.28	21.30	23	1	
20	16QAM	1	99	21.36	21	21.40			
20	16QAM	50	24	20.94	20.51	20.57			
20	16QAM	50	50	20.31	20.33	20.23			
20	16QAM	100	0	20.42	20.32	20.25			
20	16QAM	1	0	20.48	20.43	20.40			
20	16QAM	1	49	20.29	20.27	20.32	22	2	
20	16QAM	1	99	20.36	20.38	20.39			
20	16QAM	50	24	19.56	19.80	19.85			
20	16QAM	50	50	19.48	19.48	19.38			
20	16QAM	50	100	19.52	19.32	19.33			
20	16QAM	1	0	17.62	17.42	17.53</			

Band 25 Ant 2 DSI2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Middle Ch / Freqs	Power High Ch / Freqs	Tune-up (dB)	APR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.43	22.49	22.42			24	0		
20	QPSK	1	49	22.37	22.43	22.38						
20	QPSK	1	99	22.32	22.47	22.43						
20	QPSK	50	0	21.43	21.48	21.46						
20	QPSK	50	24	21.34	21.41	21.46			23	1		
20	QPSK	50	50	21.38	21.28	21.28						
20	QPSK	100	0	21.45	21.47	21.42						
20	16QAM	1	0	21.28	21.23	21.29						
20	16QAM	1	49	21.22	21.36	21.39			23	1		
20	16QAM	1	99	21.31	21.33	21.30						
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	2		
20	16QAM	100	0	20.28	20.26	20.32						
20	16QAM	1	0	20.39	20.32	20.35						
20	16QAM	1	49	20.42	20.18	20.30						
20	16QAM	1	99	20.45	20.30	20.25			22	2		
20	16QAM	50	0	19.47	19.36	19.42						
20	16QAM	50	24	19.51	19.51	19.50						
20	16QAM	50	50	19.50	19.45	19.53						
20	16QAM	100	0	19.28	19.34	19.27			21	3		
20	16QAM	1	0	17.44	17.42	17.46						
20	256QAM	1	49	17.45	17.52	17.44						
20	256QAM	1	99	17.53	17.46	17.23						
20	256QAM	50	0	17.23	17.36	17.29			19	5		
20	256QAM	50	24	17.38	17.40	17.44						
20	256QAM	50	50	17.45	17.40	17.42						
20	256QAM	100	0	17.52	17.45	17.42						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.48	22.42	22.45			24	0		
15	QPSK	1	37	22.34	21.43	22.33						
15	QPSK	1	74	22.42	22.34	22.46						
15	QPSK	36	0	21.38	21.50	21.42						
15	QPSK	36	36	21.40	21.37	21.42			23	1		
15	QPSK	36	36	21.44	21.39	21.36						
15	QPSK	75	0	21.51	21.53	21.48						
15	16QAM	1	0	21.54	21.33	21.15						
15	16QAM	1	37	21.30	21.44	21.39			23	1		
15	16QAM	1	74	21.47	21.42	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	20.28	20.31	20.31			22	2		
15	16QAM	75	0	20.51	20.43	20.41						
15	16QAM	1	0	20.45	20.47	20.36						
15	16QAM	1	37	20.48	20.30	20.31						
15	16QAM	1	74	20.35	20.34	20.25			22	2		
15	16QAM	36	0	19.42	19.35	19.39						
15	16QAM	36	20	19.41	19.42	19.45						
15	16QAM	36	36	19.35	19.44	19.53						
15	16QAM	75	0	19.24	19.34	19.40			19	5		
15	256QAM	1	0	17.53	17.45	17.51						
15	256QAM	1	37	17.53	17.53	17.51						
15	256QAM	1	74	17.53	17.43	17.39						
15	256QAM	36	0	17.23	17.36	17.29			19	5		
15	256QAM	36	20	17.52	17.38	17.36						
15	256QAM	36	36	17.53	17.44	17.39						
15	256QAM	75	0	17.57	17.40	17.39						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.34	22.47	22.42			24	0		
10	QPSK	1	25	22.28	22.41	22.36						
10	QPSK	1	49	22.37	22.36	22.44						
10	QPSK	25	12	21.44	21.31	21.45						
10	QPSK	25	25	21.43	21.37	21.41			23	1		
10	16QAM	1	0	21.29	21.37	21.15						
10	16QAM	1	25	21.23	21.37	21.26						
10	16QAM	25	0	20.43	20.37	20.34						
10	16QAM	25	12	20.28	20.45	20.30			22	2		
10	16QAM	50	0	20.28	20.31	20.31						
10	16QAM	50	0	20.38	20.27	20.34						
10	16QAM	1	0	20.46	20.43	20.36						
10	16QAM	1	25	20.31	20.36	20.23			22	2		
10	16QAM	1	49	20.36	20.38	20.33						
10	16QAM	25	0	19.45	19.39	19.35						
10	16QAM	25	12	19.53	19.54	19.52						
10	16QAM	25	25	19.49	19.37	19.44			21	3		
10	16QAM	50	0	19.25	19.33	19.30						
10	256QAM	1	0	17.45	17.45	17.59						
10	256QAM	1	25	17.41	17.48	17.49						
10	256QAM	1	49	17.57	17.53	17.23			19	5		
10	256QAM	25	0	17.25	17.25	17.25						
10	256QAM	25	12	17.38	17.40	17.37						
10	256QAM	25	25	17.53	17.59	17.44						
10	256QAM	50	0	17.58	17.55	17.45			19	5		
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.39	22.46	22.34			24	0		
5	QPSK	1	12	22.50	22.40	22.25						
5	QPSK	1	24	22.36	22.38	22.46						
5	QPSK	12	0	21.42	21.53	21.45						
5	QPSK	12	7	21.36	21.39	21.36			23	1		
5	QPSK	12	13	21.46	21.35	21.29						
5	QPSK	24	0	21.54	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	21.34						
5	16QAM	12	0	20.38	20.51	20.41						
5	16QAM	12	7	20.52	20.38	20.52						
5	16QAM	12	13	20.28	20.31	20.29			22	2		
5	16QAM	25	0	20.28	20.41	20.43						
5	16QAM	1	0	20.40	20.40	20.36						
5	16QAM	12	13	20.28	19.19	20.25						
5	16QAM	1	24	20.43	20.30	20.27			22	2		
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			21	3		
5	256QAM	1	0	17.49	17.48	17.54						
5	256QAM	1	12	17.42	17.47	17.41						
5	256QAM	1	24	17.50	17.38	17.26						
5	256QAM	12	0	17.53	17.31	17.32			19	5		
5	256QAM	12	7	17.57	17.42	17.43						
5	256QAM	12	13	17.51	17.42	17.26						
5	256QAM	25	0	17.47	17.41	17.50						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.44	22.38	22.47			24	0		
3	QPSK	1	8	22.38	22.43	22.22						
3	QPSK	1	14	22.35	22.40	22.47						
3	QPSK	8	0	21.42	21.53	21.38						
3	QPSK	8	4	21.37	21.33	21.40			23	1		
3	QPSK	8	7	21.45	21.40	21.39						
3	QPSK	16	0	21.45	21.49	21.43						
3	16QAM	1	0	21.25	21.32	21.29						
3	16QAM	1	8	21.29	21.36	21.35			23	1		
3	16QAM	1	14	21.35	21.35	21.35						
3	16QAM	8	0	20.41	20.47	20.36						
3	16QAM	8	4	20.25	20.38	20.27						
3	16QAM	1	0	20.18	20.26	20.29			22	2		
3	16QAM	1	8	20.23	20.30	20.32						
3	16QAM	1	14	20.29	20.32	20.30						
3	16QAM	8	0	20.40	20.48	20.44						
3	16QAM	1	8	20.21	20.31	20.30			22	2		
3	16QAM	1	14	20.30	20.32	20.32						
3	16QAM	8	0	19.52	19.38	19.44						
3	16QAM	8	4	19.48	19.41	19.61						
3	16QAM	16	0	19.47	19.47	19.48			21	3		
3	16QAM	16	0	19.28	19.41	19.31						
3	16QAM	16	8	19.40	19.40	19.45						
3	16QAM	1	0	17.45	17.39	17.41						
3	256QAM	1	14	17.31	17.35	17.35			19	5		
3	256QAM	1	21	17.31	17.31	17.29						
3	256QAM	8	4	17.47	17.49	17.38						
3	256QAM	8	7	17.56	17.39	17.41						
3	256QAM	1	0	17.53	17.51	17.51						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.40	22.39	22.43			24	0		
1.4	QPSK	1	5	22.42	22.34	22.42						
1.4	QPSK	1	5	22.41	22.41	22.46						
1.4	QPSK	3	1	21.41	21.36	21.29						
1.4	QPSK	3	3	22.45	22.44	22.47			23	1		
1.4	16QAM	1	0	21.32	21.51	21.32						
1.4	16QAM	1	3	21.39	21.46	21.31						
1.4	16QAM	3	1	21.37	21.39	21.37						
1.4	16QAM	3	1	21.42	21.37	21.34			22	2		
1.4	16QAM	6	0	20.37	20.37	20.42						
1.4	16QAM	6	0	20.47	20.37	20.51						
1.4	16QAM	3	0	20.33	20.45	20.34						
1.4	16QAM	1	5	20.41	20.42	20.43			22	2		
1.4	16QAM	3	0	20.43	20.39	20.49						
1.4	16QAM	3	0	20.50	20.35	20.48						
1.4	16QAM	3	0	20.52	20.38	20.34						
1.4	256QAM	1	5	17.46	17.48	17.44			19	5		
1.4	256QAM	1	5	17.44	17.50	17.50						
1.4	256QAM	1	5	17.42	17.41	17.42						
1.4	256QAM	3	1	17.53	17.61	17.35						
1.4	256QAM	3	1	17.59	17.39	17.53						
1.4	256QAM	6	0	17.39	17.39	17.53						

Band 38 Ant 2 DS12																		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)										
Channel																		
Frequency (MHz)				37850	38000	38150												
20	QPSK	1	0	22.65	22.67	22.63			24	0	23	1						
20	QPSK	1	49	22.52	22.52	22.46												
20	QPSK	1	99	22.50	22.61	22.64												
20	QPSK	50	0	21.58	21.69	21.61												
20	QPSK	50	24	21.54	21.58	21.55			23	1	23	1						
20	QPSK	50	50	21.57	21.46	21.50												
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	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	20.36	20.56			22	2	22	2						
20	16QAM	100	0	20.56	20.62	20.50												
20	16QAM	1	0	20.61	20.66	20.51												
20	16QAM	1	49	20.41	20.51	20.49												
20	16QAM	1	99	20.62	20.63	20.44			22	2	22	2						
20	16QAM	50	0	19.73	19.56	19.56												
20	16QAM	50	24	19.84	19.61	19.79												
20	16QAM	50	50	19.70	19.60	19.71												
20	16QAM	100	0	19.46	19.64	19.47			21	3	21	3						
20	256QAM	1	0	17.74	17.68	17.79												
20	256QAM	1	49	17.66	17.64	17.69												
20	256QAM	1	99	17.49	17.59	17.56												
20	256QAM	50	0	17.41	17.52	17.36			19	5	19	5						
20	256QAM	50	24	17.66	17.62	17.66												
20	256QAM	50	50	17.70	17.58	17.51												
20	256QAM	100	0	17.74	17.66	17.66												
Channel																		
Frequency (MHz)				2273	2290	2612.5	un-imp limit (dBm)	MPR (dB)										
15	QPSK	1	0	22.43	22.52	22.49			24	0	24	0						
15	QPSK	1	37	22.40	22.54	22.53												
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	23	1						
15	QPSK	36	39	21.59	21.43	21.54												
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	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												
15	16QAM	36	39	20.27	20.31	20.46			22	2	22	2						
15	16QAM	75	0	20.33	20.38	20.48												
15	16QAM	75	0	20.46	20.46	20.56												
15	16QAM	1	37	20.40	20.34	20.43												
15	16QAM	1	74	20.42	20.46	20.43			22	2	22	2						
15	16QAM	36	0	19.62	19.54	19.46												
15	16QAM	36	20	19.64	19.56	19.72												
15	16QAM	75	0	19.62	19.48	19.45												
15	256QAM	1	0	17.59	17.56	17.60			21	3	21	3						
15	256QAM	1	37	17.55	17.60	17.50												
15	256QAM	1	74	17.48	17.49	17.53												
15	256QAM	36	0	17.38	17.39	17.43												
15	256QAM	36	20	17.48	17.56	17.49			19	5	19	5						
15	256QAM	36	39	17.59	17.45	17.52												
15	256QAM	75	0	17.67	17.63	17.61												
15	256QAM	75	0	17.67	17.63	17.61												
Channel																		
Frequency (MHz)				2575	2590	2615	un-imp limit (dBm)	MPR (dB)										
10	QPSK	1	0	22.57	22.51	22.62			24	0	24	0						
10	QPSK	1	25	22.40	22.42	22.42												
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			23	1	23	1						
10	QPSK	25	25	21.59	21.43	21.43												
10	QPSK	50	0	21.53	21.58	21.57												
10	16QAM	1	0	21.27	21.38	21.31												
10	16QAM	1	25	21.41	21.46	21.39			23	1	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	20.38	20.43												
10	16QAM	25	25	20.27	20.35	20.45			22	2	22	2						
10	16QAM	50	0	20.37	20.39	20.47												
10	16QAM	50	0	20.50	20.48	20.42												
10	16QAM	1	0	20.50	20.44	20.42												
10	16QAM	1	25	20.34	20.33	20.47			22	2	22	2						
10	16QAM	1	49	20.44	20.44	20.43												
10	16QAM	25	0	19.58	19.52	19.48												
10	16QAM	25	12	19.73	19.50	19.65												
10	16QAM	25	25	19.54	19.60	19.54			21	3	21	3						
10	16QAM	50	0	19.34	19.53	19.44												
10	16QAM	50	0	17.56	17.63	17.60												
10	256QAM	1	0	17.58	17.63	17.60												
10	256QAM	1	25	17.49	17.50	17.49			19	5	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	17.60												
10	256QAM	25	25	17.47	17.51	17.42			19	5	19	5						
10	256QAM	50	0	17.65	17.57	17.57												
Channel																		
Frequency (MHz)				2672.5	2690	2617.5	un-imp limit (dBm)	MPR (dB)										
5	QPSK	1	0	22.49	22.62	22.61			24	0	24	0						
5	QPSK	1	12	22.38	22.43	22.41												
5	QPSK	1	24	22.46	22.44	22.66												
5	QPSK	12	0	21.53	21.61	21.47												
5	QPSK	12	0	21.27	21.36	21.31			23	1	23	1						
5	QPSK	12	7	21.51	21.48	21.48												
5	QPSK	12	13	21.50	21.41	21.49												
5	QPSK	25	0	21.64	21.62	21.60												
5	16QAM	1	0	21.28	21.33	21.26			23	1	23	1						
5	16QAM	1	12	21.43	21.42	21.45												
5	16QAM	1	24	21.38	21.49	21.48												
5	16QAM	12	0	20.53	20.56	20.44												
5	16QAM	12	7	20.29	20.43	20.39			22	2	22	2						
5	16QAM	12	13	20.32	20.32	20.32												
5	16QAM	25	0	20.47	20.44	20.51												
5	16QAM	25	0	20.52	20.58	20.55												
5	16QAM	1	12	20.29	20.35	20.46			22	2	22	2						
5	16QAM	1	24	20.53	20.43	20.46												
5	16QAM	12	7	19.70	19.58	19.51												
5	16QAM	12	13	19.60	19.61	19.57												
5	16QAM	25	0	19.39	19.54	19.41			21	3	21	3						
5	16QAM	25	0	17.59	17.66	17.58												
5	16QAM	1	12	17.43	17.60	17.49												
5	256QAM	1	24	17.50	17.54	17.48												
5	256QAM	12	0	17.34	17.46	17.31			19	5	19	5						
5	256QAM	12	7	17.60	17.53	17.51												
5	256QAM	12	13	17.42	17.49	17.47												
5	256QAM	25	0	17.55	17.61	17.50												

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				20920	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.06	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	18.07	18.04	19.2	0
20	QPSK	50	24	17.97	18.02	17.90		
20	QPSK	50	50	17.98	18.02	17.96		
20	QPSK	100	0	17.99	18.06	18.03	19.2	0
20	16QAM	1	0	17.95	17.98	17.97		
20	16QAM	1	49	17.90	18.01	18.01		
20	16QAM	1	99	17.87	18.03	17.95	19.2	0
20	16QAM	50	0	17.92	18.01	17.98		
20	16QAM	50	24	17.92	18.07	17.98		
20	16QAM	50	50	17.96	17.97	17.90	19.2	0
20	16QAM	100	0	17.84	18.01	18.02		
20	64QAM	1	0	17.85	18.00	17.91		
20	64QAM	1	49	17.86	17.97	17.96	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	17.96		
20	64QAM	100	0	17.92	18.04	17.98		
20	256QAM	1	0	16.68	16.69	16.81	18	1.2
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	16.59	18	1.2
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				20826	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.77	17.89	17.92	19.2	0
15	QPSK	1	37	17.78	17.87	17.90		
15	QPSK	1	74	17.83	18.01	17.93		
15	QPSK	36	0	17.89	17.98	17.91	19.2	0
15	QPSK	36	20	17.77	18.00	17.87		
15	QPSK	36	39	17.88	17.95	17.95		
15	QPSK	75	0	17.74	18.01	17.95	19.2	0
15	16QAM	1	0	17.83	17.86	17.92		
15	16QAM	1	37	17.88	17.88	17.84		
15	16QAM	1	74	17.82	17.93	17.92	19.2	0
15	16QAM	36	0	17.75	17.89	17.81		
15	16QAM	36	20	17.84	17.99	17.88		
15	16QAM	36	39	17.87	17.89	17.85	19.2	0
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	36	0	17.74	17.91	17.85		
15	64QAM	36	20	17.77	17.87	17.95	19.2	0
15	64QAM	36	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	36	0	16.37	16.54	16.46	18	1.2
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				20890	21100	21400		
Frequency (MHz)				2509	2535	2560	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	17.85	17.90	17.83	19.2	0
10	QPSK	1	25	17.77	17.85	17.89		
10	QPSK	1	49	17.80	17.87	17.89		
10	QPSK	25	0	17.83	17.86	17.90	19.2	0
10	QPSK	25	12	17.87	17.95	17.84		
10	QPSK	25	25	17.83	17.96	17.91		
10	QPSK	50	0	17.80	17.94	17.87	19.2	0
10	16QAM	1	0	17.78	18.00	17.86		
10	16QAM	1	25	17.85	17.87	17.87		
10	16QAM	1	49	17.74	17.87	17.89	19.2	0
10	16QAM	25	0	17.78	18.01	17.93		
10	16QAM	25	12	17.81	17.93	17.89		
10	16QAM	25	25	17.85	17.86	17.82	19.2	0
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	18	1.2
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	1.2
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	21420		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	17.75	17.91	17.92	19.2	0
5	QPSK	1	12	17.85	17.89	17.90		
5	QPSK	1	24	17.89	17.91	17.87		
5	QPSK	12	0	17.80	17.92	17.88	19.2	0
5	QPSK	12	7	17.82	17.91	17.86		
5	QPSK	12	13	17.85	17.97	17.90		
5	QPSK	25	0	17.78	17.88	17.91	19.2	0
5	16QAM	1	0	17.87	17.95	17.83		
5	16QAM	1	12	17.87	17.90	17.81		
5	16QAM	1	24	17.79	17.99	17.92	19.2	0
5	16QAM	12	0	17.84	17.87	17.86		
5	16QAM	12	7	17.88	17.85	17.90		
5	16QAM	12	13	17.81	17.95	17.91	19.2	0
5	16QAM	25	0	17.81	17.89	17.94		
5	64QAM	1	0	17.86	18.00	17.95		
5	64QAM	1	12	17.75	17.91	17.89	19.2	0
5	64QAM	1	24	17.78	17.87	17.96		
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	18	1.2
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	1.2
5	256QAM	12	7	16.62	16.59	16.75		
5	256QAM	12	13	16.75	16.59	16.53		
5	256QAM	25	0	16.79	16.60	16.67		

Band 3 Ant 3 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on time (dBm)	MPR (dB)		
Channel										
	Frequency (MHz)			37860	29900	39150				
20	QPSK	1	0	18.89	18.95	18.92				
20	QPSK	1	49	18.74	18.84	18.82		19.9	0	
20	QPSK	1	99	18.59	19.05	19.02				
20	QPSK	50	0	18.88	19.03	19.87				
20	QPSK	50	24	18.81	18.85	18.79			19.9	0
20	QPSK	50	50	18.91	19.01	19.82				
20	QPSK	100	0	18.83	18.97	18.87				
20	16QAM	1	0	18.90	18.88	18.89				
20	16QAM	1	49	18.77	18.86	18.82		19.9	0	
20	16QAM	1	99	18.88	18.94	18.89				
20	16QAM	50	0	18.84	18.94	19.84				
20	16QAM	50	24	18.89	19.93	19.78		19.9		
20	16QAM	50	50	18.75	18.93	18.85				
20	16QAM	100	0	18.82	18.92	18.78				
20	16QAM	100	0	18.76	18.83	18.86				
20	16QAM	100	49	18.95	18.94	19.88		19.9	0	
20	64QAM	1	99	18.80	18.83	19.79				
20	64QAM	50	0	18.90	18.90	19.82				
20	64QAM	50	24	18.82	18.82	19.81			19.9	0
20	64QAM	50	50	19.90	19.89	19.84				
20	64QAM	100	0	18.98	18.79	19.79				
20	256QAM	1	0	16.78	16.62	16.82				
20	256QAM	1	49	16.72	16.70	16.74		18.9		
20	256QAM	1	99	16.57	16.58	16.53				
20	256QAM	50	0	18.84	18.84	19.40				
20	256QAM	50	24	16.63	16.55	16.68		18.9		
20	256QAM	50	50	16.77	16.64	16.49				
20	256QAM	100	0	16.80	16.70	16.69				
Channel										
	Frequency (MHz)			2572.5	2600	3017.5	unf-m limit (dBm)	MPR (dB)		
15	QPSK	1	0	18.72	18.75	18.72				
15	QPSK	1	37	18.82	18.84	18.85		19.9	0	
15	QPSK	1	74	18.76	18.82	18.85				
15	QPSK	36	0	18.84	18.84	19.84				
15	QPSK	36	20	18.77	18.77	19.72		19.9	0	
15	QPSK	36	39	18.84	18.84	18.78				
15	QPSK	75	0	18.71	18.67	18.85				
15	16QAM	1	0	18.79	18.77	18.85				
15	16QAM	1	37	18.77	18.77	19.84		19.9	0	
15	16QAM	1	74	18.73	18.66	18.72				
15	16QAM	36	0	18.78	18.76	18.72				
15	16QAM	36	20	18.71	18.66	18.75		19.9	0	
15	16QAM	36	39	18.86	18.78	18.78				
15	16QAM	75	0	18.73	18.69	18.78				
15	16QAM	75	0	18.75	18.78	18.82		19.9	0	
15	64QAM	1	74	18.81	18.76	18.79				
15	64QAM	36	20	18.74	18.69	18.79				
15	64QAM	36	39	18.83	18.77	18.81				
15	64QAM	75	0	18.75	18.90	18.83				
15	256QAM	1	0	16.65	16.55	16.69				
15	256QAM	1	37	16.59	16.56	16.52				
15	256QAM	1	74	16.58	16.56	16.52				
15	256QAM	36	0	16.27	16.47	16.23				
15	256QAM	36	20	16.69	16.52	16.54		18.9		
15	256QAM	36	39	16.54	16.56	16.38				
15	256QAM	75	0	16.69	16.61	16.60				
Channel										
	Frequency (MHz)			37860	29900	39200	unf-m limit (dBm)	MPR (dB)		
20	QPSK	1	0	18.84	18.93	18.73				
20	QPSK	1	25	18.78	18.82	18.82				
20	QPSK	1	49	18.78	18.74	18.77				
20	QPSK	25	0	18.71	18.83	18.74				
20	QPSK	25	12	18.75	18.79	18.77		19.9	0	
20	QPSK	50	0	18.85	18.86	19.87				
20	QPSK	50	0	18.84	18.80	19.72				
20	16QAM	1	0	18.80	18.78	18.86				
20	16QAM	1	25	18.82	18.76	18.86				
20	16QAM	1	49	18.73	18.78	18.76				
20	16QAM	25	0	18.73	18.74	19.84		19.9	0	
20	16QAM	25	12	18.85	18.86	18.79				
20	16QAM	25	12	18.86	18.83	18.74				
20	16QAM	50	0	18.82	18.90	18.83				
20	16QAM	50	0	18.73	18.67	18.78				
20	64QAM	25	0	18.71	18.87	18.77		19.9	0	
20	64QAM	25	12	18.85	18.86	18.87				
20	64QAM	25	12	18.86	18.87	18.77				
20	256QAM	1	49	18.81	18.77	19.83				
20	256QAM	25	0	18.83	18.88	18.87				
20	256QAM	25	12	18.85	18.86	18.77		19.9	0	
20	256QAM	50	0	18.81	18.88	19.88				
20	256QAM	50	0	18.71	18.88	18.80				
20	256QAM	1	0	16.66	16.55	16.76				
20	256QAM	1	25	16.51	16.53	16.55		18.9		
20	256QAM	1	49	16.47	16.54	16.51				
20	256QAM	25	0	16.50	16.48	16.24				
20	256QAM	25	12	16.56	16.56	16.56				
20	256QAM	25	12	16.59	16.41	16.49				
20	256QAM	50	0	16.66	16.62	16.50				
Channel										
	Frequency (MHz)			2572.5	2600	2617.5	unf-m limit (dBm)	MPR (dB)		
5	QPSK	1	0	18.77	18.88	18.74				
5	QPSK	1	12	18.76	18.87	18.82		19.9	0	
5	QPSK	1	24	18.71	18.81	18.76				
5	QPSK	12	0	18.71	18.87	18.77				
5	QPSK	12	7	18.79	18.83	18.74		19.9	0	
5	QPSK	12	13	18.75	18.78	18.75				
5	QPSK	25	0	18.78	18.75	18.79				
5	16QAM	1	0	18.85	18.82	19.72				
5	16QAM	1	12	18.77	18.85	18.86				
5	16QAM	1	24	18.75	18.83	18.77				
5	16QAM	12	0	18.81	18.78	18.81				
5	16QAM	12	7	18.85	18.86	18.73		19.9	0	
5	16QAM	12	13	18.77	18.80	18.76				
5	16QAM	25	0	18.77	18.82	19.72				
5	64QAM	1	0	18.78	18.83	18.77				
5	64QAM	1	12	18.77	18.75	18.72		19.9	0	
5	64QAM	1	24	18.76	18.85	18.84				
5	64QAM	12	0	18.77	18.81	18.78		19.9	0	
5	64QAM	12	7	18.79	18.79	18.75				
5	64QAM	25	0	18.85	18.75	18.75				
5	256QAM	1	12	16.58	16.58	16.58				
5	256QAM	1	12	16.59	16.56	16.56		18.9		
5	256QAM	1	24	16.31	16.46	16.52				
5	256QAM	12	0	16.23	16.43	16.34				
5	256QAM	12	7	16.41	16.56	16.54		18.9		
5	256QAM	12	13	16.45	16.50	16.45				
5	256QAM	25	0	16.69	16.53	16.62				

Band 41 Ant 3 DS12												
SW (MHz)	Module	RB Size	RB offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-on time (μs)	MPR (dB)		
Channel												
				39760	40185	40620	41055	41490				
25	QPSK	1	0	18.94	18.99	18.92	18.93	18.92				
25	QPSK	1	49	18.92	18.95	18.91	18.92	18.91			19.9	0
25	QPSK	1	99	18.96	18.89	18.85	18.87	18.92				
25	QPSK	50	0	18.87	18.87	19.01	18.98	18.96				
25	QPSK	50	24	18.84	18.93	18.99	18.89	18.95			19.9	0
25	QPSK	50	49	18.85	18.90	18.95	18.87	18.91				
25	QPSK	50	74	18.86	18.88	18.92	18.89	18.90				
25	QPSK	100	0	18.96	18.92	18.90	18.90	18.85				
25	16QAM	1	0	18.98	18.87	18.94	18.90	18.97				
25	16QAM	1	49	18.97	18.89	18.93	18.96	18.95			19.9	0
25	16QAM	1	99	18.94	18.86	18.99	18.96	18.98				
25	16QAM	50	0	18.93	18.90	18.91	18.91	18.90				
25	16QAM	50	24	18.90	18.94	18.92	18.86	18.97			19.9	
25	16QAM	50	50	18.93	18.97	18.94	18.90	18.90				
25	16QAM	100	0	18.96	18.85	18.95	18.99	18.98				
25	16QAM	100	1	18.95	18.90	18.85	18.91	18.97				
25	16QAM	1	49	18.97	18.87	18.94	18.86	18.95			19.9	0
25	16QAM	1	99	18.97	18.93	18.95	18.90	18.98				
25	16QAM	50	0	18.86	18.90	18.92	18.91	18.91				
25	16QAM	50	24	18.86	18.97	18.93	18.96	18.92			19.9	0
25	16QAM	50	49	18.88	18.92	18.91	18.85	18.95				
25	16QAM	100	0	18.94	18.99	18.96	18.95	18.97				
25	256QAM	1	0	16.57	16.66	16.63	16.59	16.70				
25	256QAM	1	49	16.77	16.67	16.72	16.66	16.73			18	1.9
25	256QAM	1	99	16.64	16.64	16.64	16.58	16.66				
25	256QAM	50	0	16.58	16.56	16.55	16.51	16.58				
25	256QAM	50	24	16.55	16.62	16.52	16.54	16.62			18	1.9
25	256QAM	50	50	16.70	16.60	16.65	16.72	16.62				
25	256QAM	100	0	16.74	16.64	16.78	16.68	16.76				
Channel												
				39760	40185	40620	41055	41490				
15	QPSK	1	0	18.75	18.83	18.82	18.80	18.82				
15	QPSK	1	37	18.76	18.86	18.74	18.80	18.89			19.90	0
15	QPSK	1	74	18.86	18.79	18.81	18.90	18.78				
15	QPSK	36	0	18.78	18.82	18.81	18.85	18.83				
15	QPSK	36	36	18.89	18.75	18.84	18.82	18.84			19.9	0
15	QPSK	75	0	18.75	18.82	18.77	18.87	18.75				
15	16QAM	1	0	18.76	18.80	18.84	18.77	18.81				
15	16QAM	1	37	18.77	18.77	18.84	18.79	18.79				
15	16QAM	1	74	18.82	18.88	18.81	18.75	18.81				
15	16QAM	36	0	18.90	18.74	18.83	18.75	18.83				
15	16QAM	36	36	18.88	18.80	18.85	18.85	18.85			19.9	0
15	16QAM	75	0	18.76	18.80	18.81	18.85	18.83				
15	16QAM	75	37	18.77	18.77	18.84	18.79	18.79				
15	16QAM	75	75	18.81	18.79	18.80	18.74	18.80				
15	64QAM	1	0	18.75	18.75	18.85	18.78	18.82				
15	64QAM	1	37	18.82	18.87	18.77	18.83	18.89			19.9	0
15	64QAM	1	74	18.89	18.79	18.79	18.90	18.82				
15	64QAM	36	0	18.78	18.82	18.81	18.85	18.83				
15	64QAM	36	36	18.82	18.87	18.76	18.89	18.80			19.9	0
15	64QAM	75	0	18.79	18.82	18.76	18.83	18.82				
15	64QAM	75	37	18.82	18.81	18.85	18.76	18.89			18	1.9
15	256QAM	1	0	16.57	16.66	16.63	16.59	16.70				
15	256QAM	1	49	16.77	16.67	16.72	16.66	16.73				
15	256QAM	1	99	16.64	16.64	16.64	16.58	16.66				
15	256QAM	50	0	16.58	16.56	16.55	16.51	16.58				
15	256QAM	50	24	16.55	16.63	16.48	16.50	16.58			18	1.9
15	256QAM	50	50	16.70	16.60	16.65	16.72	16.62				
15	256QAM	100	0	16.74	16.64	16.78	16.68	16.76				
Channel												
				39760	40185	40620	41055	41490				
5	QPSK	1	0	18.77	18.87	18.89	18.82	18.90				
5	QPSK	1	25	18.78	18.81	18.81	18.75	18.85			19.90	0
5	QPSK	1	49	18.84	18.79	18.74	18.82	18.87				
5	QPSK	25	0	18.80	18.83	18.77	18.88	18.83				
5	QPSK	25	12	18.87	18.79	18.86	18.85	18.82			19.9	0
5	QPSK	25	25	18.89	18.76	18.85	18.86	18.88				
5	QPSK	50	0	18.76	18.75	18.76	18.88	18.74				
5	QPSK	50	0	18.76	18.75	18.76	18.88	18.74				
5	QPSK	50	12	18.83	18.72	18.76	18.88	18.78			19.9	0
5	QPSK	50	25	18.85	18.82	18.82	18.82	18.74				
5	QPSK	100	0	18.83	18.82	18.83	18.79	18.78				
5	16QAM	1	0	18.76	18.80	18.76	18.76	18.86				
5	16QAM	1	25	18.87	18.78	18.83	18.85	18.89			19.9	0
5	16QAM	1	49	18.82	18.88	18.82	18.82	18.74				
5	16QAM	25	0	18.83	18.82	18.83	18.79	18.78				
5	16QAM	25	12	18.84	18.76	18.89	18.88	18.90			19.9	0
5	16QAM	25	25	18.76	18.89	18.87	18.90	18.77				
5	16QAM	50	0	18.76	18.89	18.87	18.90	18.77			19.9	0
5	16QAM	50	12	18.83	18.78	18.83	18.85	18.89				
5	16QAM	50	25	18.76	18.89	18.87	18.90	18.77			19.9	0
5	16QAM	100	0	18.74	18.82	18.84	18.82	18.87				
5	256QAM	1	0	16.54	16.49	16.57	16.50	16.48				
5	256QAM	1	25	16.59	16.67	16.64	16.57	16.67			18	1.9
5	256QAM	1	49	16.54	16.49	16.48	16.56	16.49				
5	256QAM	25	0	16.53	16.58	16.55	16.51	16.55				
5	256QAM	25	12	16.58	16.49	16.47	16.52	16.45			18	1.9
5	256QAM	25	25	16.53	16.59	16.49	16.58	16.52				
5	256QAM	50	0	16.59	16.64	16.54	16.61	16.58				
Channel												
				2498.5	2549.8	2593	2640.3	2687.5				
5	QPSK	1	0	18.85	18.76	18.78	18.74	18.74				
5	QPSK	1	12	18.74	18.83	18.87	18.78	18.79			19.90	0
5	QPSK	1	24	18.85	18.83	18.76	18.80	18.80				
5	QPSK	12	0	18.74	18.86	18.85	18.77	18.77				
5	QPSK	12	7	18.84	18.78	18.85	18.87	18.87				
5	QPSK	12	13	18.83	18.77	18.86	18.75	18.86			19.9	0
5	QPSK	25	0	18.75	18.80	18.83	18.86	18.83				
5	16QAM	1	0	18.76	18.86	18.75	18.83	18.84				
5	16QAM	1	12	18.75	18.81	18.74	18.80	18.78			19.9	0
5	16QAM	1	24	18.76	18.82	18.86	18.82	18.74				
5	16QAM	12	0	18.75	18.86	18.83	18.79	18.77				
5	16QAM	12	7	18.84	18.80	18.75	18.76	18.76			19.9	0
5	16QAM	12	13	18.82	18.76	18.81	18.75	18.78				
5	16QAM	25	0	18.84	18.88	18.87	18.86	18.87				
5	64QAM	1	0	18.75	18.85	18.83	18.86	18.77				
5	64QAM	1	12	18.77	18.74	18.78	18.78	18.81			19.9	0
5	64QAM	1	24	18.76	18.82	18.84	18.85	18.82				
5	64QAM	12	0	18.77	18.86	18.85	18.77	18.90				
5	64QAM	12	7	18.87	18.77	18.88	18.88	18.86			19.9	0
5	64QAM	12	13	18.85	18.79	18.76	18.78	18.88				
5	64QAM	25	0	18.83	18.87	18.85	18.85	18.78				
5	64QAM	25	12	18.87	18.87	18.87	18.87	18.87			19.9	0
5	64QAM	25	12	18.87	18.87	18.87	18.87	18.87				
5	256QAM	1	0	16.57	16.60	16.55	16.61	16.58			18	1.9
5	256QAM	1	24	16.42	16.43	16.49	16.52	16.51				
5	256QAM	12	0	16.56	16.59	16.50	16.46	16.48				
5	256QAM	12	7	16.50	16.45	16.37	16.44	16.44			18	1.9
5	256QAM	12	13	16.49	16.49	16.50	16.47	16.50				
5	256QAM	25	0	16.63	16.64	16.63	16.52	16.56				

Band 41 HPUE Ant 3 DS12												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid / Freq	Power Middle Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on (ms)	UPR (dB)	
Channel												
	Frequency (MHz)	29750	40185	40620	41055	41590						
20	QPSK	1	0	20.68	20.64	20.68	20.65	20.64	20.60			
20	QPSK	1	25	20.68	20.64	20.68	20.65	20.64	20.60			
20	QPSK	1	99	20.62	20.63	20.58	20.60	20.66	20.66			21.5
20	QPSK	1	0	20.65	20.61	20.68	20.64	20.66	20.60			
20	QPSK	50	24	20.63	20.58	20.63	20.58	20.56	20.57			21.5
20	QPSK	50	50	20.60	20.62	20.58	20.67	20.67	20.59			
20	QPSK	100	20	20.59	20.63	20.59	20.65	20.63	20.63			
20	16QAM	1	0	20.68	20.66	20.58	20.63	20.57	20.50			21.5
20	16QAM	1	49	20.58	20.66	20.58	20.67	20.59	20.50			
20	16QAM	1	99	20.53	20.55	20.63	20.55	20.55	20.61			
20	16QAM	1	49	20.58	20.66	20.58	20.67	20.59	20.50			
20	16QAM	50	24	20.47	20.54	20.61	20.62	20.61	20.51			21.5
20	16QAM	50	50	20.63	20.49	20.57	20.52	20.56	20.56			
20	16QAM	100	0	20.67	20.64	20.62	20.65	20.65	20.54			
20	16QAM	1	0	20.60	20.58	20.60	20.55	20.55	20.54			
20	16QAM	1	49	20.64	20.56	20.62	20.59	20.56	20.67			21.5
20	16QAM	1	99	20.64	20.57	20.54	20.65	20.63	20.63			
20	16QAM	50	0	20.59	20.67	20.56	20.65	20.65	20.61			
20	16QAM	50	24	20.67	20.64	20.62	20.54	20.57	20.63			21.5
20	16QAM	50	50	20.68	20.48	20.54	20.57	20.57	20.55			
20	16QAM	100	0	20.61	20.55	20.54	20.52	20.55	20.55			
20	25QAM	0	0	19.38	19.48	19.43	19.46	19.46	19.46			
20	25QAM	1	49	19.58	19.47	19.58	19.44	19.57	19.57			21
20	25QAM	1	99	19.40	19.40	19.36	19.40	19.46	19.46			
20	25QAM	1	49	19.34	19.28	19.44	19.34	19.44	19.44			
20	25QAM	50	24	19.27	19.22	19.30	19.32	19.33	19.33			21
20	25QAM	50	50	19.45	19.37	19.36	19.55	19.57	19.54			
20	25QAM	100	0	19.47	19.48	19.48	19.55	19.58	19.57			
Channel												
	Frequency (MHz)	29501.5	24541.3	40620.4	41055.4	41590.4	41055.4	41590.4	41590.4	Turn-on (ms)	UPR (dB)	
15	QPSK	1	0	20.54	20.60	20.46	20.46	20.52	20.59			21.50
15	QPSK	1	37	20.53	20.55	20.58	20.55	20.58	20.58			
15	QPSK	1	74	20.55	20.46	20.51	20.46	20.47	20.47			
15	QPSK	1	25	20.49	20.53	20.53	20.53	20.53	20.53			
15	QPSK	36	20	20.51	20.49	20.49	20.53	20.49	20.49			21.5
15	QPSK	36	36	20.47	20.48	20.53	20.56	20.52	20.52			
15	QPSK	75	0	20.46	20.50	20.54	20.45	20.45	20.45			
15	16QAM	1	0	20.60	20.48	20.45	20.46	20.44	20.44			
15	16QAM	1	37	20.54	20.54	20.54	20.54	20.54	20.54			
15	16QAM	1	74	20.56	20.45	20.49	20.51	20.51	20.51			
15	16QAM	36	0	20.60	20.59	20.57	20.52	20.51	20.51			
15	16QAM	36	20	20.44	20.48	20.49	20.52	20.48	20.48			21.5
15	16QAM	36	36	20.47	20.47	20.54	20.54	20.54	20.54			
15	16QAM	75	0	20.59	20.55	20.59	20.59	20.59	20.45			
15	16QAM	1	0	20.46	20.56	20.59	20.60	20.45	20.45			
15	16QAM	1	37	20.55	20.55	20.53	20.59	20.59	20.50			21.5
15	16QAM	1	74	20.54	20.57	20.55	20.50	20.50	20.50			
15	16QAM	36	0	20.59	20.57	20.57	20.57	20.57	20.57			
15	16QAM	36	20	20.53	20.55	20.54	20.50	20.50	20.53			
15	16QAM	36	36	20.56	20.56	20.57	20.56	20.59	20.59			21.5
15	16QAM	75	0	20.51	20.49	20.52	20.47	20.47	20.54			
15	25QAM	1	19.1	19.41	19.51	19.41	19.41	19.56	19.56			
15	25QAM	37	19.62	19.59	19.59	19.42	19.53	19.47	19.47			21
15	25QAM	1	74	19.46	19.42	19.41	19.31	19.41	19.41			
15	25QAM	36	0	19.33	19.43	19.29	19.34	19.32	19.32			
15	25QAM	36	20	19.42	19.29	19.29	19.34	19.34	19.34			21
15	25QAM	75	0	19.47	19.47	19.38	19.53	19.47	19.47			21
15	25QAM	75	0	19.48	19.51	19.56	19.45	19.60	19.60			
Channel												
	Frequency (MHz)	29701	40180	40620	41080	41590				Turn-on (ms)	UPR (dB)	
10	QPSK	1	0	20.44	20.48	20.56	20.44	20.48	20.45			
10	QPSK	1	25	20.44	20.48	20.56	20.44	20.48	20.45			21.50
10	QPSK	1	49	20.44	20.60	20.57	20.53	20.58	20.58			
10	QPSK	25	0	20.57	20.49	20.45	20.44	20.54	20.54			
10	QPSK	25	12	20.45	20.54	20.58	20.47	20.47	20.55			21.5
10	QPSK	50	0	20.50	20.56	20.56	20.56	20.56	20.56			
10	QPSK	50	0	20.45	20.55	20.48	20.58	20.49	20.49			
10	16QAM	1	0	20.55	20.59	20.44	20.60	20.52	20.52			
10	16QAM	1	25	20.50	20.56	20.45	20.46	20.55	20.55			21.5
10	16QAM	49	0	20.48	20.48	20.53	20.53	20.56	20.56			
10	16QAM	25	0	20.58	20.57	20.48	20.48	20.48	20.48			
10	16QAM	25	12	20.48	20.46	20.51	20.54	20.48	20.48			
10	16QAM	25	25	20.53	20.50	20.51	20.56	20.52	20.52			
10	16QAM	50	0	20.59	20.50	20.46	20.44	20.44	20.44			
10	16QAM	1	0	20.53	20.47	20.48	20.52	20.53	20.53			
10	16QAM	25	25	20.51	20.51	20.49	20.45	20.50	20.50			
10	16QAM	1	49	20.59	20.53	20.59	20.53	20.52	20.52			
10	16QAM	25	0	20.48	20.49	20.49	20.52	20.57	20.57			
10	16QAM	25	12	20.49	20.56	20.49	20.51	20.52	20.52			21.5
10	16QAM	25	25	20.48	20.56	20.48	20.50	20.50	20.50			
10	16QAM	50	0	20.52	20.47	20.45	20.52	20.47	20.47			
10	25QAM	1	0	19.33	19.39	19.45	19.38	19.45	19.45			
10	25QAM	1	25	19.52	19.43	19.59	19.36	19.51	19.51			21
10	25QAM	1	49	19.47	19.52	19.51	19.35	19.48	19.48			
10	25QAM	25	0	19.32	19.37	19.39	19.39	19.48	19.48			
10	25QAM	25	12	19.43	19.35	19.34	19.33	19.34	19.34			
10	25QAM	25	25	19.44	19.42	19.34	19.56	19.48	19.48			21
10	25QAM	50	0	19.52	19.51	19.53	19.40	19.51	19.51			
Channel												
	Frequency (MHz)	2498.5	2494.8	2593	2630	2617.5				Turn-on (ms)	UPR (dB)	
5	QPSK	1	0	20.48	20.53	20.56	20.48	20.56	20.56			21.50
5	QPSK	1	12	20.54	20.50	20.50	20.57	20.52	20.52			
5	QPSK	24	0	20.55	20.55	20.59	20.57	20.57	20.57			
5	QPSK	12	0	20.48	20.53	20.56	20.48	20.56	20.56			21.5
5	QPSK	12	13	20.47	20.53	20.55	20.46	20.54	20.54			
5	QPSK	25	0	20.45	20.52	20.57	20.58	20.50	20.50			
5	QPSK	25	0	20.56	20.46	20.45	20.48	20.46	20.46			
5	16QAM	1	0	20.55	20.57	20.56	20.44	20.56	20.56			
5	16QAM	12	0	20.53	20.52	20.56	20.44	20.56	20.56			21.5
5	16QAM	12	12	20.55	20.59	20.59	20.56	20.56	20.56			
5	16QAM	1	24	20.59	20.58	20.46	20.46	20.47	20.47			
5	16QAM	12	0	20.56	20.47	20.45	20.52	20.52	20.52			
5	16QAM	12	7	20.46	20.57	20.45	20.54	20.57	20.57			21.5
5	16QAM	12	13	20.48	20.59	20.48	20.50	20.50	20.50			
5	16QAM	25	0	20.46	20.47	20.51	20.51	20.51	20.51			
5	16QAM	1	0	20.48	20.54	20.56	20.44	20.53	20.53			
5	16QAM	1	12	20.56	20.45	20.57	20.59	20.53	20.53			21.5
5	16QAM	1	24	20.54	20.60	20.55	20.57	20.51	20.51			
5	16QAM	12	0	20.59	20.59	20.59	20.59	20.59	20.59			
5	16QAM	12	7	20.55	20.54	20.48	20.47	20.45	20.45			21.5
5	16QAM	12	13	20.52	20.46	20.53	20.50	20.54	20.54			
5	16QAM	25	0	20.48	20.46	20.56	20.60	20.57	20.57			
5	25QAM	1	19.37	19.37	19.37	19.38	19.48	19.48	19.48			21
5	25QAM	1	12	19.81	19.41	19.50	19.40	19.55	19.55			
5	25QAM	1	24	19.38	19.39	19.39	19.39	19.54	19.54			
5	25QAM	12	0	19.44	19.38	19.31	19.44	19.48	19.48			
5	25QAM	12	7	19.28	19.34	19.32	19.30					

Band 42 Part 27Q 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				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	19.58	19.60				
20	QPSK	1	99	19.55	19.62	19.56	21	0		
20	QPSK	50	0	19.64	19.68	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	19.65	19.67	19.62	21	0		
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	19.66	19.59				
20	16QAM	50	0	19.52	19.69	19.64	21	0		
20	16QAM	50	24	19.62	19.64	19.60				
20	16QAM	50	50	19.53	19.59	19.64	21	0		
20	16QAM	100	0	19.66	19.61	19.62				
20	64QAM	1	0	19.57	19.63	19.61	21	0		
20	64QAM	1	49	19.61	19.61	19.68				
20	64QAM	1	99	19.58	19.64	19.57	21	0		
20	64QAM	50	0	19.64	19.64	19.61				
20	64QAM	50	24	19.59	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	19	2		
20	256QAM	1	0	17.64	17.57	17.73				
20	256QAM	1	49	17.71	17.66	17.60	19	2		
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	19	2		
20	256QAM	100	0	17.67	17.75	17.57				
Channel				42195	42595	43015		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	21	0		
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	19.53	19.54	21	0		
15	16QAM	1	0	19.40	19.51	19.50				
15	16QAM	1	37	19.45	19.60	19.47	21	0		
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	21	0		
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	21	0		
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	19	2		
15	256QAM	1	0	17.67	17.58	17.64				
15	256QAM	1	37	17.67	17.65	17.49	19	2		
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	17.69				
15	256QAM	36	39	17.37	17.41	17.55	19	2		
15	256QAM	75	0	17.46	17.62	17.54				
Channel				42140	42590	43040		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	21	0		
10	QPSK	25	0	19.46	19.52	19.57				
10	QPSK	25	12	19.50	19.49	19.60	21	0		
10	QPSK	25	25	19.41	19.57	19.60				
10	QPSK	50	0	19.54	19.51	19.60	21	0		
10	16QAM	1	0	19.43	19.62	19.56				
10	16QAM	1	25	19.46	19.54	19.54	21	0		
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	21	0		
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	21	0		
10	64QAM	25	0	19.42	19.54	19.56				
10	64QAM	25	12	19.44	19.55	19.52	21	0		
10	64QAM	25	25	19.40	19.62	19.52				
10	64QAM	50	0	19.47	19.59	19.52	19	2		
10	256QAM	1	0	17.68	17.53	17.69				
10	256QAM	1	25	17.61	17.50	17.53	19	2		
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	19	2		
10	256QAM	50	0	17.48	17.55	17.56				
Channel				42116	42599	43068		MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	19.43	19.46	19.56	21	0		
5	QPSK	1	12	19.45	19.58	19.46				
5	QPSK	1	24	19.51	19.48	19.48	21	0		
5	QPSK	12	0	19.46	19.49	19.50				
5	QPSK	12	7	19.46	19.59	19.60	21	0		
5	QPSK	12	13	19.41	19.52	19.61				
5	QPSK	25	0	19.48	19.51	19.60	21	0		
5	16QAM	1	0	19.43	19.60	19.58				
5	16QAM	1	12	19.53	19.52	19.54	21	0		
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	21	0		
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	21	0		
5	64QAM	12	0	19.51	19.62	19.54				
5	64QAM	12	7	19.42	19.53	19.47	21	0		
5	64QAM	12	13	19.43	19.56	19.54				
5	64QAM	25	0	19.53	19.60	19.47	19	2		
5	256QAM	1	0	17.63	17.52	17.62				
5	256QAM	1	12	17.54	17.49	17.51	19	2		
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	19	2		
5	256QAM	25	0	17.42	17.59	17.59				

Reduced Power Mode for DSI3

GSM850 Ant 0 DSI3							
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)		Tune-up Limit (dBm)
	TX Channel	128	198	251	128	198	251
Frequency (MHz)	854.2	856.4	848.8		854.2	856.4	848.8
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78
GPRS 1 Tx slot	32.74	32.95	32.88	33.50	23.74	23.85	23.88
GPRS 2 Tx slots	29.65	30.91	30.88	31.50	23.65	24.91	24.88
GPRS 3 Tx slots	28.18	29.33	29.31	30.00	23.90	25.07	25.05
GPRS 4 Tx slots	26.54	27.73	27.91	28.00	23.54	24.73	24.91
EDGE 1 Tx slot	25.65	26.45	26.71	27.00	18.65	17.45	17.71
EDGE 2 Tx slots	24.67	25.48	25.28	26.00	18.67	19.48	19.28
EDGE 3 Tx slots	23.14	23.92	23.91	24.50	18.88	19.66	19.65
EDGE 4 Tx slots	21.52	22.24	22.21	23.00	18.52	19.24	19.21

WCDMA V Ant 0 DSI3				
Band	WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel	4152	4192	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	836.4	836.4	846.5	
3GPP Rel 99 AMR 12.2kbps	22.53	22.62	22.56	24.00
3GPP Rel 99 RMC 12.2kbps	22.55	22.55	22.83	24.00
3GPP Rel 6 HSQPA Subtest-1	21.97	21.69	21.68	23.00
3GPP Rel 6 HSQPA Subtest-2	21.61	21.64	21.62	23.00
3GPP Rel 6 HSQPA Subtest-3	21.07	21.17	21.07	22.50
3GPP Rel 6 HSQPA Subtest-4	21.00	21.15	21.15	22.50
3GPP Rel 8 DC-HSQPA Subtest-1	21.53	21.63	21.64	23.00
3GPP Rel 8 DC-HSQPA Subtest-2	21.61	21.71	21.57	23.00
3GPP Rel 8 DC-HSQPA Subtest-3	21.03	21.11	21.08	22.50
3GPP Rel 8 DC-HSQPA 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.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-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
10	QPSK	25	0	21.61	21.66	21.67			
10	QPSK	25	12	21.62	21.64	21.54			
10	QPSK	25	25	21.59	21.55	21.58			23
10	QPSK	50	0	21.61	21.65	21.60			
10	16QAM	1	0	21.59	21.65	21.50			
10	16QAM	1	25	21.61	21.53	21.60			
10	16QAM	1	49	21.61	21.61	21.58			23
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
10	16QAM	50	0	20.60	20.63	20.63			
10	64QAM	1	0	20.63	20.61	20.58			
10	64QAM	1	25	20.60	20.57	20.58			22
10	64QAM	1	49	20.65	20.58	20.56			
10	64QAM	25	0	19.59	19.56	19.66			
10	64QAM	25	12	19.67	19.65	19.53			
10	64QAM	25	25	19.65	19.67	19.66			21
10	64QAM	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
10	256QAM	1	49	17.59	17.62	17.61			
10	256QAM	25	0	17.65	17.60	17.67			
10	256QAM	25	12	17.68	17.67	17.58			
10	256QAM	25	25	17.57	17.71	17.61			19
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	19	22.45	22.48	22.39			
5	QPSK	1	24	22.40	22.35	22.47			24
5	QPSK	12	0	21.43	21.66	21.63			
5	QPSK	12	7	21.57	21.54	21.44			23
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
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
5	16QAM	12	13	20.46	20.56	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	64QAM	1	0	20.45	20.57	20.63			
5	64QAM	1	12	20.47	20.48	20.55			22
5	64QAM	1	24	20.51	20.42	20.39			
5	64QAM	12	0	19.47	19.40	19.59			
5	64QAM	12	7	19.61	19.57	19.45			21
5	64QAM	12	13	19.56	19.47	19.59			
5	64QAM	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	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	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
3	QPSK	1	14	22.51	22.36	22.49			
3	QPSK	8	0	21.46	21.66	21.50			
3	QPSK	8	4	21.48	21.57	21.41			23
3	QPSK	8	8	21.50	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
3	16QAM	1	14	21.44	21.53	21.54			
3	16QAM	8	0	20.62	20.48	20.53			22
3	16QAM	8	4	20.54	20.59	20.46			
3	16QAM	8	7	20.46	20.54	20.58			
3	16QAM	15	0	20.51	20.61	20.59			
3	64QAM	1	0	20.50	20.56	20.59			
3	64QAM	1	8	20.61	20.39	20.54			22
3	64QAM	1	14	21.44	21.50	21.41			
3	64QAM	8	0	19.55	19.49	19.60			
3	64QAM	8	4	19.57	19.59	19.41			21
3	64QAM	8	7	19.50	19.52	19.46			
3	64QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.56	17.60	17.42			19
3	256QAM	1	8	17.45	17.57	17.57			
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
3	256QAM	8	7	17.42	17.67	17.54			
3	256QAM	15	0	17.53	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
1.4	QPSK	3	0	22.44	22.51	22.48			
1.4	QPSK	3	3	22.50	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
1.4	16QAM	1	0	21.45	21.60	21.37			
1.4	16QAM	1	3	21.43	21.38	21.44			
1.4	16QAM	1	5	21.44	21.50	21.41			23
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
1.4	64QAM	1	0	20.59	20.54	20.63			
1.4	64QAM	1	3	20.42	20.54	20.58			
1.4	64QAM	1	5	20.57	20.46	20.50			22
1.4	64QAM	3	0	20.52	20.52	20.45			
1.4	64QAM	3	1	20.52	20.53	20.45			
1.4	64QAM	3	3	20.52	20.49	20.50			21
1.4	64QAM	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
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	3	17.46	17.65	17.48			19
1.4	256QAM	6	0	17.44	17.53	17.62			

Band 7 Ant 0 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									
Frequency (MHz)									
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	21.52	21.47			
20	QPSK	50	24	21.48	21.49	21.47	22.7	0	
20	QPSK	50	50	21.36	21.46	21.36			
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	21.45			
20	16QAM	50	0	20.54	20.50	20.50			0.7
20	16QAM	50	24	20.63	20.50	20.50			
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	64QAM	1	0	20.60	20.56	20.57			
20	64QAM	1	49	20.55	20.44	20.49	22		
20	64QAM	1	99	20.59	20.40	20.42			
20	64QAM	50	0	19.44	19.38	19.60			
20	64QAM	50	24	19.52	19.57	19.41	21	1.7	
20	64QAM	50	50	19.54	19.54	19.57			
20	64QAM	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	19	3.7	
20	256QAM	50	50	17.47	17.57	17.43			
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	37	21.36	21.35	21.26	22.7	0	
15	QPSK	1	74	21.33	21.42	21.34			
15	QPSK	50	0	21.35	21.46	21.38			
15	QPSK	50	24	21.40	21.35	21.33	22.7	0	
15	QPSK	36	39	21.31	21.43	21.32			
15	QPSK	75	0	21.34	21.41	21.31			
15	16QAM	1	0	21.26	21.31	21.26			
15	16QAM	1	37	21.24	21.31	21.28	22.7	0	
15	16QAM	1	74	21.27	21.35	21.27			
15	16QAM	50	0	20.81	20.57	20.58			
15	16QAM	36	20	20.53	20.64	20.57	22	0.7	
15	16QAM	36	39	20.41	20.47	20.51			
15	16QAM	75	0	20.44	20.60	20.57			
15	64QAM	1	0	20.59	20.67	20.57			
15	64QAM	1	37	20.55	20.40	20.50	22	0.7	
15	64QAM	1	74	20.82	20.45	20.41			
15	64QAM	36	0	19.56	19.51	19.54			
15	64QAM	36	20	19.65	19.59	19.40	19	1.7	
15	64QAM	36	39	19.51	19.50	19.50			
15	64QAM	75	0	19.53	19.50	19.50			
15	256QAM	1	0	17.51	17.57	17.42			
15	256QAM	1	37	17.58	17.58	17.52	19	3.7	
15	256QAM	1	74	17.52	17.54	17.56			
15	256QAM	36	0	17.52	17.58	17.56			
15	256QAM	36	20	17.50	17.62	17.52	19	3.7	
15	256QAM	36	39	17.68	17.68	17.47			
15	256QAM	75	0	17.50	17.52	17.52			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.27	21.44	21.37			
10	QPSK	1	25	21.38	21.45	21.35	22.7	0	
10	QPSK	1	49	21.28	21.45	21.30			
10	QPSK	50	0	21.29	21.38	21.40	22.7	0	
10	QPSK	25	12	21.40	21.34	21.27			
10	QPSK	50	25	21.26	21.33	21.31			
10	QPSK	50	0	21.30	21.47	21.29			
10	16QAM	1	0	21.27	21.42	21.35	22.7	0	
10	16QAM	1	25	21.33	21.40	21.32			
10	16QAM	1	49	21.23	21.31	21.27			
10	16QAM	25	0	20.51	20.49	20.51			
10	16QAM	25	12	20.66	20.51	20.40	22	0.7	
10	16QAM	25	25	20.53	20.55	20.61			
10	16QAM	50	0	20.47	20.53	20.49			
10	16QAM	50	12	20.58	20.53	20.63			
10	64QAM	1	25	20.57	20.51	20.50	22	0.7	
10	64QAM	1	49	20.47	20.44	20.47			
10	64QAM	25	0	19.41	19.52	19.55			
10	64QAM	25	12	19.52	19.55	19.49	21	1.7	
10	64QAM	25	25	19.60	19.47	19.54			
10	64QAM	50	0	19.47	19.44	19.46			
10	256QAM	1	0	17.50	17.67	17.40			
10	256QAM	1	25	17.48	17.50	17.56	19	3.7	
10	256QAM	1	49	17.57	17.53	17.49			
10	256QAM	25	0	17.58	17.45	17.51			
10	256QAM	25	12	17.64	17.64	17.50	19	3.7	
10	256QAM	25	25	17.51	17.57	17.51			
10	256QAM	50	0	17.44	17.40	17.53			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.33	21.41	21.39			
5	QPSK	1	12	21.38	21.41	21.30	22.7	0	
5	QPSK	1	24	21.34	21.35	21.24			
5	QPSK	12	0	21.33	21.46	21.30			
5	QPSK	12	7	21.36	21.36	21.31	22.7	0	
5	QPSK	12	13	21.28	21.40	21.28			
5	QPSK	25	0	21.35	21.38	21.31			
5	16QAM	1	0	21.39	21.39	21.37	22.7	0	
5	16QAM	1	12	21.32	21.32	21.24			
5	16QAM	1	24	21.23	21.43	21.28			
5	16QAM	12	0	20.55	20.59	20.44			
5	16QAM	12	7	20.53	20.49	20.52	22	0.7	
5	16QAM	12	13	20.48	20.48	20.50			
5	16QAM	25	0	20.51	20.51	20.50			
5	16QAM	25	12	20.52	20.50	20.57			
5	64QAM	1	12	20.45	20.54	20.50			
5	64QAM	1	24	20.49	20.42	20.46			
5	64QAM	12	0	19.57	19.39	19.62			
5	64QAM	12	7	19.52	19.59	19.48	21	1.7	
5	64QAM	12	13	19.52	19.50	19.52			
5	64QAM	25	0	19.53	19.43	19.39			
5	256QAM	1	0	17.50	17.58	17.51			
5	256QAM	1	12	17.55	17.51	17.58	19	3.7	
5	256QAM	1	24	17.51	17.51	17.49			
5	256QAM	12	0	17.56	17.52	17.51			
5	256QAM	12	7	17.47	17.47	17.44	19	3.7	
5	256QAM	12	13	17.52	17.66	17.53			
5	256QAM	25	0	17.56	17.51	17.52			

Band 13 Ant 0 DS13									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2325					
Frequency (MHz)				782					
10	QPSK	1	0	22.71			24	0	
10	QPSK	1	25	22.80					
10	QPSK	1	49	22.38					
10	QPSK	25	0	21.68			23	1	
10	QPSK	25	12	21.62					
10	QPSK	25	25	21.53					
10	QPSK	50	0	21.67			23	1	
10	16QAM	1	0	21.60					
10	16QAM	1	25	21.51					
10	16QAM	1	49	21.50			22	2	
10	16QAM	25	0	20.88					
10	16QAM	25	12	20.67					
10	16QAM	25	25	20.54			22	2	
10	16QAM	50	0	20.56					
10	64QAM	1	0	20.69					
10	64QAM	1	25	20.58			22	2	
10	64QAM	1	49	20.58					
10	64QAM	25	0	19.49					
10	64QAM	25	12	19.57			21	3	
10	64QAM	25	25	19.69					
10	64QAM	50	0	19.57					
10	256QAM	1	0	17.69			19	5	
10	256QAM	1	25	17.64					
10	256QAM	1	49	17.67					
10	256QAM	25	0	17.73			19	5	
10	256QAM	25	12	17.67					
10	256QAM	25	25	17.69					
10	256QAM	50	0	17.55					
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
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	23	1	
5	QPSK	12	7	22.50	22.55	22.42			
5	QPSK	12	13	22.42	22.53	22.61			
5	QPSK	25	0	21.42	21.58	21.47	23	1	
5	16QAM	1	0	21.50	21.55	21.29			
5	16QAM	1	12	21.41	21.38	21.44			
5	16QAM	1	24	21.41	21.46	21.42	22	2	
5	16QAM	12	0	21.49	21.48	21.36			
5	16QAM	12	7	21.54	21.56	21.44			
5	16QAM	12	13	21.43	21.60	21.50	22	2	
5	16QAM	25	0	20.50	20.41	20.52			
5	16QAM	25	0	20.50	20.41	20.52			
5	64QAM	1	0	20.60	20.56	20.68	22	2	
5	64QAM	1	12	20.47	20.55	20.49			
5	64QAM	1	24	20.63	20.46	20.47			
5	64QAM	12	0	20.59	20.58	20.48	21	3	
5	64QAM	12	7	20.59	20.50	20.49			
5	64QAM	12	13	20.48	20.52	20.46			
5	64QAM	25	0	19.50	19.56	19.45	21	3	
5	256QAM	1	0	17.57	17.57	17.44			
5	256QAM	1	12	17.40	17.62	17.70			
5	256QAM	1	24	17.57	17.60	17.52	19	5	
5	256QAM	12	0	17.53	17.56	17.83			
5	256QAM	12	7	17.55	17.56	17.46			
5	256QAM	12	13	17.53	17.61	17.53			
5	256QAM	25	0	17.42	17.47	17.63			

Band 17 Ant 0 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23820			
Frequency (MHz)				710	711	713			
10	QPSK	1	0	22.61	22.67	22.58	24	0	
10	QPSK	1	25	22.42	22.60	22.54			
10	QPSK	1	49	22.59	22.45	22.51			
10	QPSK	25	0	21.57	21.65	21.64	23	1	
10	QPSK	25	12	21.55	21.62	21.57			
10	QPSK	25	25	21.59	21.59	21.59			
10	QPSK	50	0	21.61	21.63	21.59	23	1	
10	16QAM	1	0	21.54	21.67	21.48			
10	16QAM	1	25	21.58	21.57	21.58			
10	16QAM	1	49	21.63	21.54	21.61	22	2	
10	16QAM	25	0	20.85	20.86	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	64QAM	1	0	20.67	20.56	20.65			
10	64QAM	1	25	20.57	20.58	20.54	22	2	
10	64QAM	1	49	20.68	20.68	20.52			
10	64QAM	25	0	19.60	19.58	19.62			
10	64QAM	25	12	19.71	19.61	19.54	21	3	
10	64QAM	25	25	19.66	19.55	19.71			
10	64QAM	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	19	5	
10	256QAM	25	12	17.75	17.59	17.59			
10	256QAM	25	25	17.68	17.72	17.63			
10	256QAM	50	0	17.63	17.56	17.70			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				708.5	710	713.5			
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	21.63	23	1	
5	QPSK	12	7	21.54	21.52	21.45			
5	QPSK	12	13	21.55	21.41	21.55			
5	QPSK	25	0	21.51	21.60	21.46	23	1	
5	16QAM	1	0	21.41	21.56	21.43			
5	16QAM	1	12	21.49	21.38	21.57			
5	16QAM	1	24	21.58	21.57	21.44	22	2	
5	16QAM	12	0	20.51	20.60	20.45			
5	16QAM	12	7	20.64	20.52	20.50			
5	16QAM	12	13	20.47	20.45	20.50	22	2	
5	16QAM	25	0	20.47	20.51	20.51			
5	64QAM	1	0	20.53	20.54	20.51			
5	64QAM	1	12	20.46	20.47	20.49	22	2	
5	64QAM	1	24	20.52	20.51	20.47			
5	64QAM	12	0	19.53	19.49	19.56			
5	64QAM	12	7	19.54	19.53	19.42	21	3	
5	64QAM	12	13	19.53	19.54	19.62			
5	64QAM	25	0	19.55	19.48	19.44			
5	256QAM	1	0	17.53	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	19	5	
5	256QAM	12	7	17.65	17.55	17.49			
5	256QAM	12	13	17.40	17.66	17.45			
5	256QAM	25	0	17.47	17.44	17.52			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				708.5	710	713.5			

Band 26 Ant 0 DS13									
BW (MHz)	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	27015			
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	0	22.48	22.49	22.44			
15	QPSK	1	37	22.31	22.45	22.32			24
15	QPSK	1	74	22.46	22.41	22.44			
15	QPSK	36	0	21.55	21.57	21.53			
15	QPSK	36	39	21.55	21.51	21.47			23
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			
15	16QAM	1	37	21.49	21.39	21.47			23
15	16QAM	1	74	21.49	21.39	21.48			
15	16QAM	36	0	20.59	20.51	20.50			
15	16QAM	36	20	20.55	20.53	20.39			22
15	16QAM	36	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			
15	16QAM	1	37	20.55	20.50	20.43			22
15	16QAM	1	74	20.52	20.50	20.55			
15	16QAM	1	74	20.52	20.50	20.41			
15	16QAM	36	0	19.50	19.42	19.60			
15	16QAM	36	20	19.64	19.60	19.38			21
15	8QAM	36	39	19.67	19.58	19.54			
15	8QAM	36	39	19.67	19.58	19.54			
15	25QAM	1	0	17.48	17.58	17.41			
15	25QAM	1	37	17.52	17.63	17.63			19
15	25QAM	1	74	17.44	17.56	17.50			
15	25QAM	36	0	17.50	17.60	17.61			
15	25QAM	36	0	17.50	17.59	17.58			19
15	25QAM	36	39	17.41	17.62	17.55			
15	25QAM	75	0	17.47	17.39	17.50			
Channel				26760	26865	26990 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.38	22.38	22.44			
10	QPSK	1	25	22.21	22.33	22.21			24
10	QPSK	1	25	22.21	22.33	22.21			
10	QPSK	25	0	21.37	21.45	21.36			
10	QPSK	25	12	21.35	21.46	21.32			23
10	QPSK	25	25	21.37	21.36	21.34			
10	QPSK	50	0	21.41	21.37	21.41			
10	16QAM	1	0	21.43	21.43	21.41			
10	16QAM	1	25	21.43	21.39	21.43			23
10	16QAM	1	49	21.33	21.36	21.35			
10	16QAM	25	0	20.53	20.45	20.33			
10	16QAM	25	12	20.44	20.41	20.32			22
10	16QAM	25	25	20.37	20.48	20.47			
10	16QAM	50	0	20.45	20.39	20.43			21
10	8QAM	1	0	20.41	20.38	20.47			
10	8QAM	1	25	20.47	20.32	20.40			22
10	8QAM	1	49	20.53	20.46	20.38			
10	8QAM	25	0	19.46	19.32	19.39			
10	8QAM	25	12	19.45	19.39	19.34			21
10	8QAM	25	25	19.46	19.36	19.42			
10	8QAM	50	0	19.47	19.42	19.41			
10	25QAM	1	0	17.40	17.52	17.37			
10	25QAM	1	25	17.43	17.39	17.52			19
10	25QAM	1	49	17.40	17.38	17.35			
10	25QAM	1	49	17.46	17.41	17.55			
10	25QAM	25	12	17.50	17.41	17.32			19
10	25QAM	25	25	17.43	17.48	17.46			
10	25QAM	50	0	17.47	17.28	17.47			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.35	22.40	22.60			
5	QPSK	1	12	22.42	22.42	22.40			24
5	QPSK	1	24	22.36	22.42	22.40			
5	QPSK	12	0	21.41	21.56	21.53			
5	QPSK	12	7	21.45	21.36	21.31			23
5	QPSK	12	13	21.44	21.41	21.39			
5	QPSK	12	13	21.44	21.41	21.48			
5	16QAM	1	0	21.41	21.34	21.22			
5	16QAM	1	12	21.32	21.34	21.41			23
5	16QAM	1	24	21.38	21.39	21.39			
5	16QAM	12	0	20.44	20.51	20.31			
5	16QAM	12	7	20.53	20.45	20.39			22
5	16QAM	12	13	20.39	20.34	20.41			
5	16QAM	25	0	20.39	20.35	20.41			
5	16QAM	1	0	20.41	20.39	20.56			
5	8QAM	1	12	20.47	20.45	20.43			22
5	8QAM	1	24	20.50	20.37	20.32			
5	8QAM	12	0	19.46	19.42	19.35			21
5	8QAM	12	7	19.46	19.42	19.25			
5	8QAM	12	13	19.45	19.46	19.50			
5	8QAM	25	0	19.56	19.42	19.39			
5	25QAM	1	0	17.49	17.49	17.37			
5	25QAM	1	12	17.52	17.45	17.47			19
5	25QAM	1	24	17.53	17.42	17.40			
5	25QAM	12	0	17.42	17.43	17.34			
5	25QAM	12	7	17.42	17.52	17.46			
5	25QAM	12	13	17.44	17.53	17.47			19
5	25QAM	25	0	17.46	17.40	17.38			
Channel				26765	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	847.5			
3	QPSK	1	0	22.34	22.43	22.28			
3	QPSK	1	8	22.29	22.33	22.36			24
3	QPSK	1	14	22.36	22.23	22.37			
3	QPSK	8	0	21.34	21.46	21.40			23
3	QPSK	8	7	21.38	21.43	21.42			
3	QPSK	8	7	21.37	21.29	21.33			
3	QPSK	15	0	21.41	21.50	21.41			
3	16QAM	1	0	21.43	21.43	21.21			
3	16QAM	1	8	21.38	21.33	21.42			
3	16QAM	1	14	21.42	21.35	21.43			
3	16QAM	8	0	20.43	20.39	20.38			22
3	16QAM	8	4	20.44	20.41	20.35			
3	16QAM	8	7	20.41	20.38	20.47			
3	8QAM	15	0	20.40	20.45	20.42			
3	8QAM	1	0	20.47	20.43	20.44			22
3	8QAM	1	8	20.42	20.42	20.46			
3	8QAM	1	14	20.44	20.42	20.38			
3	8QAM	8	0	19.37	19.41	19.50			
3	8QAM	8	4	19.54	19.47	19.34			21
3	8QAM	8	7	19.44	19.49	19.49			
3	8QAM	15	0	19.54	19.33	19.39			
3	8QAM	1	0	17.49	17.49	17.31			
3	25QAM	1	8	17.35	17.45	17.37			19
3	25QAM	1	14	17.38	17.36	17.33			
3	25QAM	8	4	17.43	17.51	17.52			
3	25QAM	8	4	17.43	17.46	17.47			19
3	25QAM	8	7	17.47	17.46	17.48			
3	25QAM	15	0	17.37	17.36	17.42			
Channel				26867	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.32	22.39	22.43			
1.4	QPSK	1	3	22.09	22.28	22.08			24
1.4	QPSK	1	5	22.29	22.07	22.02			
1.4	QPSK	3	0	22.33	22.22	22.32			
1.4	QPSK	3	3	22.29	22.23	22.24			
1.4	QPSK	6	0	21.26	21.35	21.21			23
1.4	16QAM	1	0	21.33	21.32	21.20			
1.4	16QAM	1	3	21.15	21.25	21.38			
1.4	16QAM	1	5	21.25	21.27	21.24			
1.4	16QAM	3	0	21.21	21.41	21.17			
1.4	16QAM	3	3	21.27	21.39	21.29			
1.4	16QAM	6	0	20.33	20.33	20.22			22
1.4	16QAM	6	3	20.38	20.30	20.46			
1.4	8QAM	1	5	20.33	20.29	20.26			22
1.4	8QAM	3	0	20.25	20.37	20.18			
1.4	8QAM	3	3	20.31	20.38	20.25			
1.4	8QAM	6	0	19.26	19.28	19.29			21
1.4	25QAM	1	0	17.37	17.31	17.15			
1.4	25QAM	1	3	17.26	17.36	17.37			
1.4	25QAM	3	0	17.40	17.28	17.37			19
1.4	25QAM	3	3	17.38	17.32	17.22			
1.4	25QAM	3	3	17.25	17.47	17.35			
1.4	25QAM	6	0	17.18	17.37	17.40			19

Band 38 Ant 0 DS13															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (ms)	MPR (dB)							
Channel															
Frequency (MHz)				37650	38000	38150									
20	QPSK	1	0	2249	2252	2246	23.8	0							
20	QPSK	1	49	2233	2245	2235									
20	QPSK	1	99	2250	2242	2251									
20	QPSK	50	0	2153	2167	2161									
20	QPSK	50	24	2148	2149	2144									
20	QPSK	50	24	2145	2159	2156	23	0.8							
20	QPSK	100	0	2150	2161	2145									
20	16QAM	1	0	2145	2150	2147									
20	16QAM	1	49	2145	2146	2153									
20	16QAM	1	99	2152	2154	2145									
20	16QAM	50	0	2053	2060	2050	22	1.8							
20	16QAM	50	24	2061	2063	2041									
20	16QAM	50	50	2038	2044	2059									
20	16QAM	100	0	2056	2060	2047									
20	16QAM	100	0	2050	2051	2052									
20	16QAM	1	99	2053	2043	2053	22	2.8							
20	64QAM	50	0	1947	1946	1948									
20	64QAM	50	24	1956	1933	1948									
20	64QAM	50	50	1948	1953	1948									
20	64QAM	100	0	1958	1949	1941									
20	256QAM	1	0	1751	1766	1747	19	4.8							
20	256QAM	1	49	1756	1754	1755									
20	256QAM	1	99	1742	1758	1756									
20	256QAM	50	0	1748	1749	1754									
20	256QAM	50	24	1760	1763	1740									
20	256QAM	50	50	1749	1765	1746	19	4.8							
20	256QAM	100	0	1742	1751	1748									
Channel				37650	38000	38150									
Frequency (MHz)				2577.5	2598	2612.5 <td colspan="5"></td>									
15	QPSK	1	0	2243	2240	2240	23.8	0							
15	QPSK	1	37	2222	2244	2234									
15	QPSK	1	74	2242	2241	2231									
15	QPSK	36	0	2139	2141	2154									
15	QPSK	36	20	2149	2143	2133									
15	QPSK	36	39	2133	2135	2143	23	0.8							
15	QPSK	75	0	2042	2041	2043									
15	16QAM	1	37	2135	2150	2122									
15	16QAM	1	37	2135	2130	2143									
15	16QAM	1	74	2138	2134	2140									
15	16QAM	36	0	2052	2045	2037	22	1.8							
15	16QAM	36	20	2046	2049	2046									
15	16QAM	36	39	2038	2036	2047									
15	16QAM	75	0	2047	2038	2048									
15	16QAM	1	0	2047	2048	2045									
15	16QAM	1	37	2039	2036	2038	22	1.8							
15	16QAM	1	74	2040	2036	2035									
15	16QAM	36	0	1941	1940	1954									
15	16QAM	36	20	1947	1947	1928									
15	16QAM	36	39	1944	1945	1943									
15	16QAM	75	0	1936	1940	1940	21	2.8							
15	16QAM	75	0	1744	1756	1729									
15	256QAM	1	37	1745	1754	1743									
15	256QAM	1	74	1738	1739	1745									
15	256QAM	36	0	1740	1753	1742									
15	256QAM	36	20	1748	1753	1736	19	4.8							
15	256QAM	36	39	1738	1758	1734									
15	256QAM	75	0	1736	1728	1733									
Channel				37650	38000	38150									
Frequency (MHz)				37650	38000	38150									
10	QPSK	1	0	2234	2244	2236	23.8	0							
10	QPSK	1	25	2231	2245	2232									
10	QPSK	1	49	2242	2232	2230									
10	QPSK	25	0	2143	2154	2150									
10	QPSK	25	12	2143	2138	2138									
10	QPSK	25	25	2132	2129	2137	23	0.8							
10	QPSK	50	0	2142	2149	2137									
10	16QAM	1	0	2131	2152	2142									
10	16QAM	1	25	2140	2138	2146									
10	16QAM	1	49	2148	2144	2134									
10	16QAM	25	0	2053	2042	2041	22	1.8							
10	16QAM	25	12	2041	2043	2032									
10	16QAM	25	25	2038	2044	2043									
10	16QAM	50	0	2041	2046	2045									
10	16QAM	1	0	2041	2047	2056									
10	16QAM	1	25	2046	2044	2043	22	1.8							
10	16QAM	1	49	2047	2036	2029									
10	16QAM	25	0	1940	1941	1952									
10	16QAM	25	12	1942	1952	1928									
10	16QAM	25	25	1947	1939	1947									
10	16QAM	50	0	1948	1933	1931	21	2.8							
10	256QAM	1	0	1748	1745	1740									
10	256QAM	1	25	1745	1750	1755									
10	256QAM	1	49	1739	1739	1747									
10	256QAM	25	0	1750	1737	1746									
10	256QAM	25	12	1751	1754	1736	19	4.8							
10	256QAM	25	25	1737	1750	1738									
10	256QAM	50	0	1757	1731	1743									
Channel				37775	38000	38225									
Frequency (MHz)				2572.5	2598	2617.5									
5	QPSK	1	0	2249	2246	2245	23.8	0							
5	QPSK	1	12	2221	2231	2223									
5	QPSK	1	24	2235	2226	2230									
5	QPSK	12	0	2137	2149	2147									
5	QPSK	12	7	2145	2152	2141									
5	QPSK	12	13	2134	2138	2146	23	0.8							
5	QPSK	25	0	2152	2137	2144									
5	16QAM	1	0	2141	2149	2138									
5	16QAM	1	12	2132	2135	2148									
5	16QAM	1	24	2142	2136	2135									
5	16QAM	12	0	2037	2036	2040	22	1.8							
5	16QAM	12	7	2041	2048	2039									
5	16QAM	12	13	2041	2046	2053									
5	16QAM	25	0	2042	2039	2048									
5	16QAM	25	12	2032	2043	2045									
5	16QAM	1	24	2049	2032	2049	21	2.8							
5	16QAM	12	0	1941	1937	1949									
5	16QAM	12	7	1949	1943	1925									
5	16QAM	12	13	1940	1942	1937	19	4.8							
5	16QAM	25	0	1954	1943	1932									
5	16QAM	25	12	1747	1743	1731									
5	256QAM	1	12	1745	1747	1734	19		4.8						
5	256QAM	1	24	1745	1746	1734									
5	256QAM	12	0	1737	1736	1750									
5	256QAM	12	7	1738	1742	1738	19	4.8							
5	256QAM	12	13	1747	1744	1739									
5	256QAM	25	0	1744	1731	1741									



GSM850 Ant 1 DS0									
GSM850 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		126	189	251	Limit		126	189	251
Frequency (MHz)		144.2	148.4	148.8	(dBm)		144.2	148.4	148.8
GSM 1 Tx slot		31.88	32.75	32.98	33.50		22.88	23.75	23.98
GPRS 1 Tx slot		31.96	32.65	32.96	33.50		22.96	23.65	23.96
GPRS 2 Tx slots		29.67	30.56	30.55	31.50		23.67	24.56	24.55
GPRS 3 Tx slots		28.12	28.97	28.88	30.00		23.86	24.71	24.62
GPRS 4 Tx slots		25.52	27.16	27.47	27.50		22.52	24.16	24.47
EDGE 1 Tx slot		25.81	26.52	26.54	27.00		16.81	17.52	17.54
EDGE 2 Tx slots		24.47	25.27	25.32	26.00		16.47	19.27	19.32
EDGE 3 Tx slots		22.91	23.84	23.76	24.50		16.65	19.98	19.90
EDGE 4 Tx slots		21.23	22.16	22.18	23.00		18.23	19.16	19.18
GSM1900 Ant 1 DS0									
GSM1900 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1850.2	1860	1869.8	(dBm)		1850.2	1860	1869.8
GSM 1 Tx slot		27.01	27.75	27.81	28.80		18.01	18.75	18.81
GPRS 1 Tx slot		26.97	27.85	27.82	28.80		17.97	18.85	18.83
GPRS 2 Tx slots		24.04	25.33	25.31	25.80		18.04	19.33	19.31
GPRS 3 Tx slots		22.43	23.43	23.36	24.10		18.17	19.17	19.10
GPRS 4 Tx slots		21.07	22.08	22.50	22.80		18.07	19.08	19.50
EDGE 1 Tx slot		22.55	23.78	23.77	24.50		13.55	14.79	14.77
EDGE 2 Tx slots		21.68	22.65	22.78	23.50		15.68	16.65	16.78
EDGE 3 Tx slots		20.05	21.05	21.14	22.00		15.75	16.75	16.88
EDGE 4 Tx slots		18.49	19.53	19.55	20.00		15.49	16.53	16.55
WCDMA II Ant 1 DS0									
Band		WCDMA II Ant 1			WCDMA IV Ant 1			WCDMA V Ant 1 DS0	
TX Channel		9262	9400	9538	Tune-up		1312	1413	1513
Rx Channel		9602	9800	9938	Limit		1537	1608	1708
Frequency (MHz)		1852.4	1860	1867.6	(dBm)		1712.4	1752.6	1752.6
3GPP Ref #9		AMR 12.2Kbps	17.13	17.22	17.15	18.20	17.81	17.83	17.81
3GPP Ref #6		RMC 12.2Kbps	17.19	17.23	17.22	18.20	17.87	17.91	17.86
3GPP Ref #		HSOPA Subtest-1	16.41	16.31	16.35	17.20	17.08	16.95	17.08
3GPP Ref #		HSOPA Subtest-2	16.29	16.27	16.35	17.20	16.93	16.89	16.98
3GPP Ref #		HSOPA Subtest-3	15.69	15.83	15.87	16.70	16.31	16.43	16.45
3GPP Ref #		HSOPA Subtest-4	15.66	15.87	15.86	16.70	16.31	16.46	16.47
3GPP Ref #		DC-HSOPA Subtest-1	16.33	16.36	16.35	17.20	16.81	16.91	16.92
3GPP Ref #		DC-HSOPA Subtest-2	16.35	16.46	16.11	17.20	16.91	17.10	16.83
3GPP Ref #		DC-HSOPA Subtest-3	15.83	15.69	15.72	16.70	16.44	16.27	16.41
3GPP Ref #		DC-HSOPA Subtest-4	15.66	15.80	15.80	16.70	16.32	16.36	16.36
3GPP Ref #		HSUPA Subtest-1	16.41	16.35	16.34	17.20	16.95	16.84	17.02
3GPP Ref #		HSUPA Subtest-2	14.13	14.45	14.43	15.20	14.72	14.92	15.01
3GPP Ref #		HSUPA Subtest-3	15.26	15.32	15.36	16.20	15.78	15.86	15.94
3GPP Ref #		HSUPA Subtest-4	14.20	14.30	14.20	15.20	14.80	14.93	15.00
3GPP Ref #		HSUPA Subtest-5	16.19	16.20	16.20	17.20	16.79	16.85	17.02



Band 2 Ant 1 DS13																		
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Max Ch./Freq.	Power Min Ch./Freq.	Power High Ch./Freq.	Turn-on time [sec]	APR (dB)										
Channel																		
Frequency [MHz]																		
20	QPSK	1	0	16.14	16.15	16.11			17.5	0								
20	QPSK	1	48	16.12	16.13	16.08												
20	QPSK	1	96	16.06	16.05	16.03			17.5	0								
20	QPSK	50	0	16.06	16.13	16.05												
20	QPSK	50	24	16.04	16.12	16.04			17.5	0								
20	QPSK	50	50	16.09	16.05	16.10												
20	QPSK	100	0	16.08	16.11	16.09			17.5	0								
20	QPSK	100	0	16.05	16.05	16.07												
20	16QAM	1	48	15.97	15.99	15.96			17.5	0								
20	16QAM	1	96	16.01	16.04	16.04												
20	16QAM	50	0	16.02	16.00	16.11			17.5	0								
20	16QAM	50	24	16.10	16.05	16.02												
20	16QAM	50	50	16.09	16.07	16.06			17.5	0								
20	16QAM	100	0	15.98	16.01	16.06												
20	16QAM	1	48	15.97	16.05	16.02			17.5	0								
20	16QAM	1	96	15.99	16.01	16.02												
20	16QAM	50	0	15.96	16.03	16.04			17.5	0								
20	16QAM	50	24	16.02	16.10	16.09												
20	16QAM	50	50	16.01	16.05	16.07			17.5	0								
20	16QAM	100	0	15.99	16.11	16.01												
20	16QAM	1	48	15.97	16.03	16.07			17.5	0								
20	16QAM	1	96	15.96	15.96	16.08												
20	16QAM	50	0	15.97	16.05	16.07			17.5	0								
20	16QAM	50	24	16.09	16.05	16.09												
20	16QAM	50	50	15.97	16.07	16.01			17.5	0								
Channel																		
Frequency [MHz]																		
16	QPSK	1	0	15.87	15.88	15.80	19195							17.5	0	Turn-on time [sec]		APR (dB)
16	QPSK	1	37	15.82	16.01	15.85	19000											
16	QPSK	1	74	15.68	16.00	15.99	19195		17.5	0								
16	QPSK	36	0	15.88	15.88	15.88	19000											
16	QPSK	36	25	15.84	15.91	15.87	19195		17.5	0								
16	QPSK	36	36	15.86	15.86	15.88	19000											
16	QPSK	75	0	15.91	15.95	15.94	19195		17.5	0								
16	QPSK	75	0	15.89	15.99	15.88	19000											
16	16QAM	1	37	15.96	16.00	15.95	19195		17.5	0								
16	16QAM	1	74	15.91	16.00	15.94	19000											
16	16QAM	36	0	15.95	15.95	15.88	19195		17.5	0								
16	16QAM	36	25	15.92	16.02	16.00	19000											
16	16QAM	36	36	15.92	16.02	16.00	19195		17.5	0								
16	16QAM	75	0	15.87	15.93	15.88	19000											
16	16QAM	1	0	15.87	15.96	15.94	19195		17.5	0								
16	16QAM	1	37	15.97	16.00	15.95	19000											
16	16QAM	1	74	15.99	15.94	15.86	19195		17.5	0								
16	16QAM	36	0	15.92	15.96	15.94	19000											
16	16QAM	36	25	15.95	15.87	15.94	19195		17.5	0								
16	16QAM	36	36	15.88	15.88	15.92	19000											
16	16QAM	75	0	15.95	15.98	15.92	19195		17.5	0								
16	16QAM	1	0	15.92	15.90	15.94	19000											
16	16QAM	1	37	15.85	15.97	15.88	19195		17.5	0								
16	16QAM	1	74	15.93	15.91	15.85	19000											
16	16QAM	36	0	15.95	15.95	15.88	19195		17.5	0								
16	16QAM	36	25	15.92	16.02	16.00	19000											
16	16QAM	36	36	15.92	16.02	16.00	19195		17.5	0								
16	16QAM	75	0	15.87	15.93	15.88	19000											
16	16QAM	1	0	15.87	15.96	15.94	19195		17.5	0								
16	16QAM	1	37	15.97	16.00	15.95	19000											
16	16QAM	1	74	15.99	15.94	15.86	19195		17.5	0								
16	16QAM	36	0	15.92	15.96	15.94	19000											
16	16QAM	36	25	15.95	15.87	15.92	19195		17.5	0								
16	16QAM	36	36	15.88	15.88	15.92	19000											
16	16QAM	75	0	15.95	15.98	15.92	19195		17.5	0								
Channel																		
Frequency [MHz]																		
16	QPSK	1	0	15.80	15.96	15.86			17.5	0								
16	QPSK	1	12	15.86	15.92	16.00												
16	QPSK	1	24	15.82	15.94	15.94			17.5	0								
16	QPSK	12	0	15.86	15.90	15.92												
16	QPSK	12	7	16.00	15.95	15.95			17.5	0								
16	QPSK	12	13	15.91	15.96	15.96												
16	QPSK	24	0	15.90	15.97	15.97			17.5	0								
16	QPSK	24	7	16.00	15.88	15.93												
16	16QAM	1	0	15.84	15.96	15.88			17.5	0								
16	16QAM	1	12	15.86	15.92	15.92												
16	16QAM	1	24	15.87	15.95	15.94			17.5	0								
16	16QAM	12	0	15.92	15.88	15.96												
16	16QAM	12	7	15.90	15.86	15.93			17.5	0								
16	16QAM	24	0	15.95	15.96	15.88												
16	16QAM	24	7	15.89	15.93	15.93			17.5	0								
16	16QAM	1	0	15.86	15.97	15.96												
16	16QAM	1	12	15.86	15.90	15.85			17.5	0								
16	16QAM	1	24	15.90	15.89	15.85												
16	16QAM	12	0	15.90	15.89	15.85			17.5	0								
16	16QAM	12	7	15.89	15.92	15.92												
16	16QAM	24	0	15.88	15.90	15.96			17.5	0								
16	16QAM	24	7	15.89	15.92	15.92												
16	16QAM	1	0	15.86	15.90	15.96			17.5	0								
16	16QAM	1	12	15.86	15.92	15.92												
16	16QAM	1	24	15.90	15.88	15.90			17.5	0								
16	16QAM	12	0	15.85	15.91	15.94												
16	16QAM	12	7	15.88	15.93	15.90			17.5	0								
16	16QAM	24	0	15.89	15.93	15.90												
16	16QAM	24	7	15.89	15.96	15.96			17.5	0								
16	16QAM	50	0	15.91	15.98	15.96												
16	16QAM	50	14	15.92	15.92	15.87			17.5	0								
16	16QAM	1	0	15.97	15.88	15.96												
16	16QAM	1	14	15.85	15.94	15.92			17.5	0								
16	16QAM	1	28	15.91	16.00	15.93												
16	16QAM	15	0	15.92	15.85	15.90			17.5	0								
16	16QAM	15	7	15.91	15.90	15.93												
16	16QAM	15	14	15.89	15.95	15.96			17.5	0								
16	16QAM	36	0	15.95	15.95	15.88												
16	16QAM	36	7	15.94	15.94	15.87			17.5	0								
16	16QAM	75	0	15.93	15.94	15.91												
16	16QAM	75	7	15.94	15.93	15.89			17.5	0								
16	16QAM	1	0	15.85	15.98	15.90												
16	16QAM	1	14	15.84	15.93	15.96			17.5	0								
16	16QAM	1	28	15.90	15.90	15.86												
16	16QAM	36	0	15.95	15.95	15.88			17.5	0								
16	16QAM	36	7	15.96	15.96	15.87												
16	16QAM	1	0	15.85	16.00	16.00			17.5	0								
Channel																		
Frequency [MHz]																		
14	QPSK	1	0	15.86	16.00	15.91			17.5	0								
14	QPSK	1	10	15.89	16.00	15.93												
14	QPSK	1	5	15.85	15.97	15.95			17.5	0								
14	QPSK	3	0	15.96	15.94	16.01												
14	QPSK	3	10	15.90	16.00	15.96			17.5	0								
14	QPSK	3	5	15.96	15.99	15.93												
14	16QAM	1	0	15.86	16.00	15.93			17.5	0								
14	16QAM	1	10	15.89	16.00	15.93												
14	16QAM	1	5	15.85	15.97	15.96			17.5	0								
14	16QAM	3	0	15.94	16.00	15.87												
14	16QAM	3	10	15.97	15.94	15.93			17.5	0								
14	16QAM	3	5	15.92	15.99	16.00												
14	16QAM	1	0	15.88	16.00	15.87			17.5	0								
14	16QAM	1	10	15.94	15.88	16.01												
14	16QAM	1	5	15.88	16.00	15.93			17.5	0								
14	16QAM	3	0	15.91	15.93	15.91												
14	16QAM	3	10	15.98	15.90	15.89			17.5	0								
14	16QAM	3	5	15.93	15.98	15.90												
14	16QAM	1	0	15.85	16.01	15.89			17.5	0								
14	16QAM	1	10	15.91	15.91	15.89												
14	16QAM	3	0	15.96	15.88	15.90			17.5	0								
14	16QAM	3	10	15.96	15.88	15.90												
14	16QAM	3	5	15.96	15.88	15.90			17.5	0								
14	16QAM	1	0	15.93	15.93	15.87												
14	16QAM	1	10	15.96	15.99	15.93			17.5	0								
14																		

Band 12 Ant 1 DSI3										
RF Freq	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.50	22.48			24	0
10	QPSK	1	25	22.24	22.42	22.48				
10	QPSK	1	49	22.42	22.31	22.31			23	1
10	QPSK	25	0	21.42	21.56	21.55				
10	QPSK	25	12	21.43	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			23	1
10	16QAM	1	0	21.55	21.52	21.53				
10	16QAM	1	25	21.38	21.48	21.48			22	2
10	16QAM	1	49	21.47	21.43	21.48				
10	16QAM	25	0	20.59	20.59	20.59			22	2
10	16QAM	25	12	20.59	20.58	20.51				
10	16QAM	25	25	20.32	20.44	20.57			22	2
10	16QAM	50	0	20.42	20.55	20.56				
10	84QAM	1	0	20.42	20.34	20.40			22	2
10	84QAM	1	25	20.36	20.42	20.36				
10	84QAM	1	49	20.49	20.45	20.45			21	3
10	84QAM	25	0	19.41	19.43	19.54				
10	84QAM	25	12	19.56	19.42	19.57			21	3
10	84QAM	25	25	19.59	19.35	19.62				
10	84QAM	50	0	19.47	19.43	19.35			19	5
10	256QAM	1	0	17.62	17.53	17.38				
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	17.33	17.54			19	5
10	256QAM	25	12	17.61	17.50	17.52				
10	256QAM	25	25	17.38	17.57	17.49			19	5
10	256QAM	50	0	17.42	17.43	17.47				
10	256QAM	50	0	17.42	17.43	17.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.45	22.41	22.27			24	0
5	QPSK	1	12	22.30	22.47	22.43				
5	QPSK	1	24	22.41	22.20	22.37			23	1
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	21.32				
5	QPSK	25	0	21.48	21.52	21.51			23	1
5	16QAM	1	0	21.51	21.48	21.54				
5	16QAM	1	12	21.30	21.37	21.42			22	2
5	16QAM	12	0	20.51	20.31	20.30				
5	16QAM	12	7	20.53	20.40	20.31			22	2
5	16QAM	25	0	20.42	20.57	20.48				
5	84QAM	1	0	20.39	20.39	20.30			22	2
5	84QAM	1	12	20.34	20.48	20.38				
5	84QAM	1	24	20.45	20.47	20.35			21	3
5	84QAM	12	0	19.42	19.44	19.49				
5	84QAM	12	7	19.43	19.33	19.32			19	5
5	84QAM	12	13	19.43	19.36	19.57				
5	84QAM	25	0	19.48	19.35	19.25			19	5
5	256QAM	1	12	17.59	17.48	17.55				
5	256QAM	1	24	17.34	17.33	17.37			19	5
5	256QAM	12	0	17.46	17.36	17.42				
5	256QAM	12	7	17.46	17.37	17.41			19	5
5	256QAM	12	13	17.38	17.41	17.39				
5	256QAM	25	0	17.41	17.33	17.47			19	5
5	256QAM	25	0	17.41	17.33	17.47				
5	256QAM	25	0	17.41	17.33	17.47				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.45	22.45	22.27			24	0
3	QPSK	1	8	22.28	22.38	22.43				
3	QPSK	1	14	22.46	22.31	22.31			23	1
3	QPSK	5	0	21.41	21.56	21.42				
3	QPSK	5	4	21.39	21.51	21.34			23	1
3	QPSK	5	7	21.49	21.35	21.48				
3	QPSK	16	0	21.47	21.51	21.42			23	1
3	16QAM	1	0	21.20	21.38	21.30				
3	16QAM	1	8	21.34	21.44	21.41			22	2
3	16QAM	1	14	21.37	21.45	21.51				
3	16QAM	5	0	20.53	20.37	20.30			22	2
3	16QAM	5	4	20.35	20.47	20.28				
3	16QAM	5	7	20.32	20.30	20.48			21	3
3	16QAM	16	0	20.41	20.48	20.42				
3	84QAM	1	0	20.42	20.42	20.43			22	2
3	84QAM	1	8	20.33	20.45	20.35				
3	84QAM	1	14	20.45	20.50	20.34			21	3
3	84QAM	5	0	19.43	19.44	19.35				
3	84QAM	5	4	19.50	19.35	19.35			19	5
3	84QAM	5	7	19.49	19.31	19.49				
3	84QAM	16	0	19.54	19.40	19.20			19	5
3	256QAM	1	0	17.53	17.48	17.34				
3	256QAM	1	8	17.39	17.51	17.48			19	5
3	256QAM	1	14	17.34	17.54	17.45				
3	256QAM	5	0	17.25	17.41	17.44			19	5
3	256QAM	5	4	17.57	17.47	17.52				
3	256QAM	5	7	17.48	17.51	17.38			19	5
3	256QAM	16	0	17.41	17.30	17.45				
3	256QAM	16	0	17.41	17.30	17.45				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.45	22.56	22.45			24	0
1.4	QPSK	1	3	22.26	22.35	22.14				
1.4	QPSK	1	5	22.42	22.28	22.39			24	0
1.4	QPSK	3	0	22.27	22.34	22.39				
1.4	QPSK	3	1	22.41	22.33	22.52			23	1
1.4	QPSK	3	3	22.47	22.37	22.43				
1.4	QPSK	6	0	21.36	21.36	21.57			23	1
1.4	16QAM	1	0	21.42	21.48	21.23				
1.4	16QAM	1	3	21.39	21.31	21.27			23	1
1.4	16QAM	1	5	21.27	21.38	21.35				
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	21.48	21.41			22	2
1.4	16QAM	6	0	20.33	20.40	20.37				
1.4	84QAM	1	0	20.55	20.43	20.50			22	2
1.4	84QAM	1	3	20.37	20.38	20.38				
1.4	84QAM	3	0	20.40	20.37	20.40			21	3
1.4	84QAM	3	3	20.47	20.32	20.42				
1.4	84QAM	6	0	19.36	19.33	19.34			19	5
1.4	256QAM	1	0	17.40	17.51	17.36				
1.4	256QAM	1	3	17.42	17.51	17.52			19	5
1.4	256QAM	1	5	17.53	17.44	17.40				
1.4	256QAM	3	0	17.54	17.48	17.57			19	5
1.4	256QAM	3	1	17.50	17.45	17.25				
1.4	256QAM	3	3	17.42	17.57	17.25			19	5
1.4	256QAM	6	0	17.59	17.36	17.58				

Band 13 Ant 1 DS13 ENDC										
RF Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.45	22.45	24	0		
10	QPSK	1	25	22.46	22.46	22.46				
10	QPSK	1	49	22.32	22.32	22.47	23	1		
10	QPSK	25	0	21.54	21.54	21.42				
10	QPSK	25	12	21.48	21.48	21.33	23	1		
10	QPSK	25	25	21.32	21.32	21.47				
10	QPSK	50	0	21.51	21.51	21.45	23	1		
10	QPSK	50	25	21.47	21.47	21.45				
10	QPSK	1	0	21.47	21.47	21.47	23	1		
10	QPSK	1	49	21.39	21.39	21.45				
10	QPSK	25	0	20.96	20.96	20.96	22	2		
10	QPSK	25	12	20.81	20.81	20.81				
10	QPSK	25	25	20.48	20.48	20.48	22	2		
10	QPSK	50	0	20.38	20.38	20.38				
10	QPSK	50	25	20.30	20.30	20.30	22	2		
10	QPSK	1	25	20.46	20.46	20.46				
10	QPSK	1	49	20.41	20.41	20.41	21	3		
10	QPSK	25	12	19.38	19.38	19.38				
10	QPSK	25	25	19.38	19.38	19.38	21	3		
10	QPSK	50	0	19.45	19.45	19.45				
10	QPSK	50	25	17.54	17.54	17.54	19	5		
10	QPSK	1	0	17.48	17.48	17.48				
10	QPSK	1	25	17.48	17.48	17.48	19	5		
10	QPSK	1	49	17.48	17.48	17.48				
10	QPSK	25	12	17.47	17.47	17.47	19	5		
10	QPSK	25	25	17.53	17.53	17.53				
10	QPSK	50	0	17.45	17.45	17.45	19	5		
10	QPSK	50	25	17.47	17.47	17.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.43	22.30	24	0		
5	QPSK	1	12	22.28	22.44	22.38				
5	QPSK	1	25	22.17	22.17	22.11	23	1		
5	QPSK	12	0	21.33	21.44	21.42				
5	QPSK	12	7	21.38	21.44	21.38	23	1		
5	QPSK	12	19	21.39	21.39	21.39				
5	QPSK	25	0	21.51	21.49	21.55	22	2		
5	QPSK	25	12	21.42	21.42	21.42				
5	QPSK	1	0	21.22	21.47	21.18	23	1		
5	QPSK	1	25	21.32	21.32	21.43				
5	QPSK	1	24	21.33	21.34	21.42	23	1		
5	QPSK	12	0	20.44	20.30	20.23				
5	QPSK	12	19	20.43	20.43	20.39	22	2		
5	QPSK	12	13	20.32	20.42	20.46				
5	QPSK	25	0	20.95	20.42	20.38	22	2		
5	QPSK	25	12	20.33	20.33	20.33				
5	QPSK	1	12	20.29	20.43	20.35	22	2		
5	QPSK	1	24	20.29	20.42	20.24				
5	QPSK	1	25	20.38	20.38	20.43	21	3		
5	QPSK	12	0	19.49	19.38	19.52				
5	QPSK	12	13	19.36	19.39	19.50	19	5		
5	QPSK	12	19	19.48	19.33	19.51				
5	QPSK	1	0	17.44	17.56	17.57	19	5		
5	QPSK	1	12	17.32	17.43	17.54				
5	QPSK	1	24	17.30	17.36	17.38	19	5		
5	QPSK	12	0	17.32	17.28	17.54				
5	QPSK	12	7	17.39	17.34	17.53	19	5		
5	QPSK	12	19	17.37	17.32	17.52				
5	QPSK	25	0	17.46	17.26	17.45	19	5		
5	QPSK	25	12	17.46	17.25	17.45				

Band 25 Ant 1 DS13												
BW (MHz)	Modulat (MHz)	RB Size (MHz)	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up rate (dB)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.15	16.17	16.11			17.5	0		
20	QPSK	1	49	15.87	16.12	16.10						
20	QPSK	1	98	15.86	16.01	15.98			17.5	0		
20	QPSK	50	0	16.12	16.15	16.13						
20	QPSK	50	24	16.05	16.10	16.05			17.5	0		
20	QPSK	50	50	16.03	15.99	16.06						
20	QPSK	100	0	16.08	16.14	16.08			17.5	0		
20	16QAM	1	0	16.03	16.01	16.05						
20	16QAM	1	49	15.86	16.00	16.03			17.5	0		
20	16QAM	1	99	16.06	16.07	16.08						
20	16QAM	50	0	16.03	16.02	16.11			17.5	0		
20	16QAM	50	24	15.87	15.99	16.07						
20	16QAM	50	50	16.10	16.04	16.06			17.5	0		
20	16QAM	100	0	16.02	16.09	15.97						
20	16QAM	1	0	16.04	16.11	16.08			17.5	0		
20	16QAM	1	49	15.98	16.05	15.96						
20	16QAM	1	99	16.01	16.05	16.06			17.5	0		
20	16QAM	50	0	16.02	16.09	15.96						
20	16QAM	50	24	16.03	15.97	16.05			17.5	0		
20	16QAM	50	50	16.09	16.03	16.04						
20	256QAM	1	0	16.05	16.05	16.10			17.5	0		
20	256QAM	1	99	16.04	16.03	16.09						
20	256QAM	50	0	16.07	16.09	16.06			17.5	0		
20	256QAM	50	24	15.97	15.98	16.05						
20	256QAM	50	50	16.07	16.04	16.04			17.5	0		
20	256QAM	100	0	16.04	16.04	16.04						
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.93	15.90	15.91			17.5	0		
15	QPSK	1	37	15.99	15.84	16.00						
15	QPSK	1	74	15.92	15.92	15.94			17.5	0		
15	QPSK	36	0	15.99	15.99	15.94						
15	QPSK	36	20	15.91	15.86	15.92			17.5	0		
15	QPSK	36	36	15.99	16.01	15.95						
15	QPSK	75	0	15.87	15.91	15.95			17.5	0		
15	16QAM	1	0	15.98	15.90	16.00						
15	16QAM	1	37	15.90	15.88	15.90			17.5	0		
15	16QAM	1	74	16.01	16.01	16.01						
15	16QAM	36	0	15.95	16.00	16.00			17.5	0		
15	16QAM	36	20	15.91	15.95	15.98						
15	16QAM	75	0	15.84	15.99	15.97			17.5	0		
15	16QAM	1	0	15.94	15.87	15.97						
15	16QAM	1	37	15.91	15.92	15.86			17.5	0		
15	16QAM	1	74	15.94	15.93	15.95						
15	16QAM	36	0	15.86	15.89	15.88			17.5	0		
15	16QAM	36	20	15.92	15.91	15.96						
15	16QAM	75	0	15.86	15.91	15.97			17.5	0		
15	256QAM	1	0	15.85	15.90	15.91						
15	256QAM	1	37	15.98	15.89	15.99			17.5	0		
15	256QAM	1	74	15.90	15.96	15.99						
15	256QAM	36	0	15.86	15.90	15.96			17.5	0		
15	256QAM	36	20	15.96	15.98	15.98						
15	256QAM	75	0	15.92	15.97	15.93			17.5	0		
15	256QAM	75	0	15.95	15.92	15.98						
Channel												
Frequency (MHz)												
5	QPSK	1	0	5.93	5.91	5.88			17.5	0		
5	QPSK	1	12	5.99	5.87	5.92						
5	QPSK	1	24	5.98	5.92	5.90			17.5	0		
5	QPSK	12	0	5.85	5.87	5.91						
5	QPSK	12	7	5.95	5.89	5.92			17.5	0		
5	QPSK	12	13	5.99	5.96	5.96						
5	QPSK	25	0	5.95	5.89	5.91			17.5	0		
5	16QAM	1	0	5.95	5.89	5.90						
5	16QAM	1	24	5.89	5.91	5.95			17.5	0		
5	16QAM	12	0	5.95	5.90	5.87						
5	16QAM	12	7	5.98	5.96	5.97			17.5	0		
5	16QAM	12	13	5.93	5.93	5.98						
5	16QAM	25	0	5.88	5.91	5.91			17.5	0		
5	16QAM	1	0	5.86	5.96	5.86						
5	16QAM	1	12	5.99	5.92	5.94			17.5	0		
5	16QAM	1	24	5.91	5.92	5.99						
5	16QAM	12	0	5.91	5.94	5.99			17.5	0		
5	16QAM	12	7	5.87	5.92	5.87						
5	16QAM	12	13	5.96	5.90	5.94			17.5	0		
5	16QAM	25	0	5.90	5.89	5.98						
5	256QAM	1	0	5.90	5.89	5.98			17.5	0		
5	256QAM	1	12	5.88	5.87	5.85						
5	256QAM	1	24	5.92	5.96	5.99			17.5	0		
5	256QAM	12	0	5.94	5.86	5.95						
5	256QAM	12	7	5.98	5.90	5.97			17.5	0		
5	256QAM	12	13	5.93	5.94	5.88						
5	256QAM	25	0	5.95	5.93	5.93			17.5	0		
5	256QAM	25	0	5.95	5.93	5.93						
Channel												
Frequency (MHz)												
3	QPSK	1	0	3.93	3.89	3.90			17.5	0		
3	QPSK	1	8	3.93	3.87	3.95						
3	QPSK	1	14	3.89	3.89	3.98			17.5	0		
3	QPSK	8	0	3.95	3.89	3.90						
3	QPSK	8	4	3.98	3.88	3.91			17.5	0		
3	QPSK	7	0	3.93	3.90	3.96						
3	QPSK	15	0	3.95	3.90	3.93			17.5	0		
3	16QAM	1	0	3.92	3.97	3.89						
3	16QAM	1	8	3.95	3.90	3.93			17.5	0		
3	16QAM	1	14	3.93	3.92	3.98						
3	16QAM	8	0	3.94					17.5	0		
3	16QAM	8	4	3.96	3.86	3.96						
3	16QAM	7	0	3.92	3.97	3.90			17.5	0		
3	16QAM	7	15	3.91	3.96	3.97						
3	16QAM	1	0	3.95	3.92	3.94			17.5	0		
3	16QAM	1	8	3.96	3.96	3.91						
3	16QAM	14	0	3.94	3.94	3.94			17.5	0		
3	16QAM	8	0	3.93	3.91	3.93						
3	16QAM	8	4	3.93	3.91	3.92			17.5	0		
3	16QAM	15	0	3.95	3.91	3.92						
3	256QAM	1	0	3.97	3.90	3.91			17.5	0		
3	256QAM	1	8	3.96	3.91	3.96						
3	256QAM	1	14	3.95	3.96	3.91			17.5	0		
3	256QAM	8	0	3.96	3.92	3.94						
3	256QAM	8	4	3.92	3.92	3.90			17.5	0		
3	256QAM	7	0	3.94	3.97	3.97						
3	256QAM	8	7	3.94	3.87	3.96			17.5	0		
3	256QAM	8	15	3.96	3.96	3.96						
3	256QAM	1	0	3.95	3.95	3.96			17.5	0		
3	256QAM	1	8	3.95	3.89	3.95						
3	256QAM	1	14	3.97	3.87	3.92			17.5	0		
3	256QAM	3	0	3.96	3.92	3.97						
3	256QAM	3	1	3.95	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89	3.90						
3	256QAM	3	1	3.96	3.92	3.97			17.5	0		
3	256QAM	3	15	3.95	3.89							

Band 38 Ant 1 DS13													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				37850	37950	38150							
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	21.39	21.43	21.42							
20	QPSK	50	24	21.30	21.40	21.31	22.6	0					
20	QPSK	50	50	21.24	21.41	21.24							
20	16QAM	100	0	21.36	21.41	21.38							
20	16QAM	1	0	21.25	21.31	21.19							
20	16QAM	1	49	21.37	21.43	21.30	22.6	0					
20	16QAM	1	99	21.33	21.36	21.23							
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	0.6					
20	16QAM	100	0	20.90	21.01	20.92							
20	16QAM	1	0	20.83	20.81	20.81							
20	16QAM	1	49	20.82	20.90	20.78	22	0.6					
20	16QAM	1	99	20.77	20.84	20.84							
20	16QAM	50	0	19.91	19.90	19.83							
20	16QAM	50	24	19.98	19.98	19.94							
20	16QAM	50	50	19.88	19.77	20.02	21	1.6					
20	16QAM	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	3.6					
20	256QAM	1	99	17.76	17.77	17.86							
20	256QAM	50	0	17.77	17.79	17.94							
20	256QAM	50	24	17.87	17.92	17.87	19	3.6					
20	256QAM	50	50	17.82	17.84	17.98							
20	256QAM	100	0	17.82	17.85	18.03							
Channel													
Frequency (MHz)				2577.5	2595	2612.5	Turn-up limit (dBm)	MPR (dB)					
15	QPSK	1	0	21.29	21.29	21.19							
15	QPSK	1	37	21.32	21.27	21.21	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	21.32	21.40	21.19							
15	QPSK	75	0	21.36	21.29	21.21							
15	16QAM	1	0	21.35	21.40	21.27							
15	16QAM	1	37	21.31	21.33	21.20	22.6	0					
15	16QAM	1	74	21.27	21.32	21.26							
15	16QAM	36	0	20.96	20.79	20.61							
15	16QAM	36	20	20.74	20.86	20.67	22	0.6					
15	16QAM	36	39	20.77	20.71	20.86							
15	16QAM	75	0	20.77	20.83	20.77							
15	16QAM	75	0	20.86	20.82	20.86							
15	16QAM	1	37	20.72	20.89	20.64	22	0.6					
15	16QAM	1	74	20.80	20.88	20.70							
15	16QAM	36	0	19.80	19.74	19.88							
15	16QAM	36	20	19.85	19.86	19.85	21	1.6					
15	16QAM	36	39	19.87	19.79	19.89							
15	16QAM	75	0	19.87	19.79	19.69							
15	256QAM	1	0	17.96	17.94	17.90							
15	256QAM	1	37	17.83	17.91	18.00	19	3.6					
15	256QAM	1	74	17.88	17.85	17.87							
15	256QAM	36	0	17.80	17.75	17.93							
15	256QAM	36	20	17.83	17.76	17.93	19	3.6					
15	256QAM	36	39	17.78	17.83	17.76							
15	256QAM	75	0	17.81	17.75	17.96							
Channel													
Frequency (MHz)				37860	3800	38200	Turn-up limit (dBm)	MPR (dB)					
Frequency (MHz)				2575	2590	2610							
10	QPSK	1	0	21.37	21.39	21.24							
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	21.36	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	16QAM	1	0	21.34	21.40	21.33							
10	16QAM	1	0	21.31	21.31	21.19							
10	16QAM	1	25	21.26	21.41	21.28	22.6	0					
10	16QAM	1	49	21.34	21.35	21.24							
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	0.6					
10	16QAM	50	0	20.80	20.95	20.90							
10	16QAM	1	0	20.88	20.76	20.76							
10	16QAM	1	25	20.80	20.79	20.75	22	0.6					
10	16QAM	1	49	20.81	20.86	20.86							
10	16QAM	25	0	19.83	19.74	19.89							
10	16QAM	25	12	19.84	19.81	19.81	21	1.6					
10	16QAM	25	25	19.86	19.80	19.95							
10	16QAM	50	0	19.86	19.79	19.81							
10	256QAM	1	0	17.85	17.98	17.84							
10	256QAM	1	25	17.87	17.90	18.01	19	3.6					
10	256QAM	1	49	17.68	17.72	17.84							
10	256QAM	25	0	17.84	17.80	17.82							
10	256QAM	25	12	17.85	17.76	17.89							
10	256QAM	25	25	17.68	17.84	17.70	19	3.6					
10	256QAM	50	0	17.82	17.84	19.20							
Channel													
Frequency (MHz)				2572.5	2595	2617.5	Turn-up limit (dBm)	MPR (dB)					
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	21.31	21.33	21.31							
5	QPSK	12	13	21.29	21.42	21.32	22.6	0					
5	QPSK	25	0	21.29	21.33	21.20							
5	16QAM	1	0	21.30	21.29	21.21							
5	16QAM	1	12	21.27	21.38	21.22	22.6	0					
5	16QAM	1	24	21.31	21.43	21.32							
5	16QAM	12	0	20.92	20.75	20.74							
5	16QAM	12	7	20.73	20.77	20.79	22	0.6					
5	16QAM	12	13	20.82	20.73	20.86							
5	16QAM	25	0	20.87	20.80	20.91							
5	16QAM	1	0	20.90	20.70	20.81							
5	16QAM	1	12	20.70	20.74	20.70	22	0.6					
5	16QAM	1	24	20.85	20.89	20.70							
5	16QAM	12	0	19.79	19.83	19.86							
5	16QAM	12	7	19.85	19.79	19.89	21	1.6					
5	16QAM	25	0	19.90	19.71	19.64							
5	256QAM	1	0	17.81	17.89	17.79							
5	256QAM	1	12	17.91	17.86	17.85	19	3.6					
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	17.78	17.85							
5	256QAM	12	13	17.81	17.88	17.79	19	3.6					
5	256QAM	25	0	17.80	17.70	17.92							

Band 41 Ant 1 DSI3													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power Middle Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel													
Frequency (MHz)				39750	40165	40600	41058	41490					
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	50	0	21.32	21.35	21.37	21.35	21.31					
20	QPSK	50	24	21.22	21.33	21.27	21.29	21.32		22.6	0		
20	QPSK	100	0	21.27	21.31	21.27	21.31	21.36					
20	16QAM	1	0	21.27	21.29	21.26	21.24	21.29					
20	16QAM	1	49	21.33	21.30	21.32	21.23	21.30		22.6	0		
20	16QAM	50	24	21.26	21.29	21.26	21.29	21.31					
20	16QAM	50	50	20.70	20.69	20.44	20.67	20.67					
20	16QAM	50	24	20.65	20.72	20.61	20.69	20.69					
20	16QAM	50	50	20.53	20.67	20.72	20.68	20.63					
20	16QAM	100	0	20.67	20.69	20.69	20.77	20.67					
20	16QAM	100	50	20.54	20.65	20.65	20.73	20.64					
20	16QAM	1	49	20.62	20.68	20.55	20.75	20.68		22	0.6		
20	64QAM	1	99	20.65	20.75	20.55	20.71	20.65					
20	64QAM	50	0	19.84	19.59	19.61	19.63	19.59					
20	64QAM	50	24	19.80	19.71	19.53	19.69	19.64		21	1.6		
20	64QAM	50	50	19.76	19.67	19.89	19.63	19.54					
20	64QAM	100	0	19.73	19.63	19.50	19.69	19.62					
20	256QAM	1	0	17.86	17.81	17.57	17.87	17.80					
20	256QAM	1	49	17.68	17.67	17.87	17.67	17.71		19	3.6		
20	256QAM	50	24	17.63	17.67	17.86	17.66	17.70					
20	256QAM	50	50	17.81	17.60	17.66	17.64	17.59					
20	256QAM	50	24	17.89	17.69	17.71	17.60	17.67					
20	256QAM	50	50	17.62	17.71	17.62	17.66	17.70					
20	256QAM	100	0	17.63	17.65	17.70	17.64	17.57					
Frequency (MHz)				25055	25483	2593	26378	26925	turn-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	21.27	21.29	21.25	21.17	21.23					
15	QPSK	1	37	21.27	21.28	21.17	21.21	21.21		22.60	0		
15	QPSK	36	0	21.26	21.26	21.26	21.26	21.26					
15	QPSK	36	0	21.19	21.25	21.15	21.30	21.18					
15	QPSK	36	20	21.28	21.26	21.24	21.27	21.18		22.8	0		
15	QPSK	36	39	21.13	21.19	21.20	21.25	21.22					
15	QPSK	75	0	21.16	21.24	21.23	21.32	21.32					
15	16QAM	1	0	21.27	21.27	21.27	21.27	21.32					
15	16QAM	1	37	21.27	21.20	21.22	21.25	21.31		22.6	0		
15	16QAM	1	74	21.17	21.27	21.18	21.30	21.25					
15	16QAM	36	0	20.71	20.66	20.54	20.60	20.60					
15	16QAM	36	20	20.57	20.72	20.51	20.66	20.60					
15	16QAM	36	39	20.54	20.62	20.50	20.62	20.50		22	0.6		
15	16QAM	75	0	20.84	20.66	20.59	20.60	20.64					
15	64QAM	1	0	20.58	20.53	20.60	20.62	20.51					
15	64QAM	1	37	20.62	20.56	20.51	20.62	20.65		22	0.6		
15	64QAM	1	74	20.62	20.56	20.51	20.62	20.65					
15	64QAM	36	0	19.62	19.59	19.64	19.54	19.55					
15	64QAM	36	20	19.75	19.58	19.50	19.57	19.67					
15	64QAM	36	39	19.65	19.58	19.78	19.62	19.63		21	1.6		
15	64QAM	75	0	19.73	19.56	19.37	19.60	19.50					
15	256QAM	1	0	17.75	17.75	17.64	17.80	17.62					
15	256QAM	1	37	17.57	17.61	17.73	17.74	17.74		19	3.6		
15	256QAM	1	74	17.50	17.58	17.64	17.56	17.66					
15	256QAM	36	0	17.61	17.60	17.76	17.57	17.63					
15	256QAM	36	20	17.64	17.68	17.70	17.64	17.61					
15	256QAM	36	39	17.62	17.66	17.53	17.63	17.62		19	3.6		
15	256QAM	75	0	17.56	17.57	17.77	17.54	17.52					
Channel				39700	40160	40600	41050	41540	turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2243	2247	2260	2320	2320	<td></td> <td></td> <td></td> <td></td>				
5	QPSK	1	25	21.20	21.20	21.23	21.20	21.19					
5	QPSK	1	25	21.26	21.24	21.26	21.21	21.23		22.60	0		
5	QPSK	1	49	21.18	21.25	21.17	21.25	21.20					
5	QPSK	25	0	21.22	21.19	21.22	21.21	21.19					
5	QPSK	25	12	21.21	21.19	21.17	21.21	21.19		22.6	0		
5	QPSK	25	12	21.22	21.26	21.23	21.27	21.18					
5	QPSK	50	0	21.18	21.22	21.18	21.30	21.23					
5	16QAM	1	0	21.16	21.24	21.18	21.30	21.27					
5	16QAM	1	25	21.17	21.22	21.25	21.22	21.29		22.6	0		
5	16QAM	1	49	21.16	21.26	21.18	21.29	21.26					
5	16QAM	25	0	20.66	20.62	20.41	20.58	20.63					
5	16QAM	25	12	20.58	20.72	20.54	20.69	20.62					
5	16QAM	25	25	20.53	20.51	20.68	20.65	20.62		22	0.6		
5	16QAM	50	0	20.57	20.78	20.68	20.62	20.75					
5	16QAM	50	12	20.57	20.68	20.70	20.55	20.59					
5	64QAM	1	25	20.57	20.56	20.50	20.65	20.67		22	0.6		
5	64QAM	1	49	20.61	20.65	20.51	20.61	20.57					
5	64QAM	25	0	19.84	19.67	19.59	19.63	19.55					
5	64QAM	25	12	19.76	19.60	19.58	19.59	19.58					
5	64QAM	25	25	19.67	19.63	19.72	19.50	19.50		21	1.6		
5	64QAM	50	0	19.65	19.65	19.38	19.54	19.62					
5	256QAM	1	0	17.73	17.78	17.50	17.75	17.70					
5	256QAM	1	25	17.64	17.66	17.77	17.74	17.71					
5	256QAM	1	49	17.67	17.68	17.77	17.67	17.67					
5	256QAM	25	0	17.49	17.64	17.74	17.64	17.74					
5	256QAM	25	12	17.75	17.52	17.64	17.66	17.57		19	3.6		
5	256QAM	25	25	17.66	17.63	17.60	17.60	17.69					
5	256QAM	50	0	17.57	17.58	17.71	17.58	17.60					
Channel				24985	25458	2593	264030	26975	turn-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	21.15	21.20	21.28	21.31	21.25					
5	QPSK	1	12	21.18	21.24	21.22	21.28	21.29		22.60	0		
5	QPSK	1	24	21.27	21.27	21.28	21.28	21.29					
5	QPSK	12	0	21.19	21.20	21.22	21.30	21.27					
5	QPSK	12	13	21.26	21.31	21.23	21.25	21.21					
5	QPSK	12	13	21.24	21.18	21.19	21.29	21.28		22.8	0		
5	QPSK	25	0	21.19	21.25	21.23	21.31	21.25					
5	QPSK	25	12	21.21	21.23	21.21	21.21	21.21		22.6	0		
5	16QAM	1	24	21.21	21.20	21.19	21.19	21.24					
5	16QAM	12	0	20.79	20.69	20.50	20.60	20.56					
5	16QAM	12	13	20.63	20.60	20.50	20.71	20.59					
5	16QAM	25	0	20.56	20.58	20.70	20.63	20.61		22	0.6		
5	16QAM	25	0	20.66	20.64	20.71	20.74	20.71					
5	64QAM	1	0	20.70	20.63	20.64	20.62	20.60					
5	64QAM	1	12	20.53	20.69	20.45	20.61	20.59		22	0.6		
5	64QAM	1	24	20.56	20.66	20.66	20.66	20.66					
5	64QAM	12	0	19.81	19.54	19.64	19.60	19.54					
5	64QAM	12	7	19.81	19.59	19.63	19.57	19.58					
5	64QAM	12	13	19.65	19.53	19.71	19.53	19.52		21	1.6		
5	256QAM	1	0	19.62	19.62	19.43	19.50	19.60					
5	256QAM	1	12	17.67	17.71	17.67	17.67	17.67					
5	256QAM	1	12	17.57	17.51	17.69	17.70	17.67		19	3.6		
5	256QAM	1	24	17.64	17.55	17.67	17.65	17.53					
5	256QAM	12	0	17.56	17.59	17.68	17.60	17.49					
5	256QAM	12	7	17.67	17.67	17.67	17.67	17.67					
5	256QAM	12	13	17.64	17.59	17.52	17.55	17.61		19	3.6		
5	256QAM	25	0	17.58	17.58	17.79	17.59	17.63					

GSM1900 Ant 2 DSI3							
GSM1900 Ant 2		Burst Average Power (dBm)		Tune-up		Frame Average Power (dBm)	
TX Channel		512	661	810	Limit	512	661
Frequency (MHz)		1852.2	1860	1868.8	(dBm)	1852.2	1860
GSM 1 Tx slot		28.65	29.98	29.65	30.50	19.65	20.98
GPRS 1 Tx slot		28.65	30.03	29.65	30.50	19.65	21.03
GPRS 2 Tx slots		28.55	27.87	27.71	28.50	20.55	21.87
GPRS 3 Tx slots		25.07	26.15	26.12	27.20	20.75	21.86
GPRS 4 Tx slots		23.51	24.55	24.28	25.50	20.51	21.55
EDGE 1 Tx slot		24.74	25.69	26.07	26.50	15.74	16.69
EDGE 2 Tx slots		23.58	24.55	24.50	25.50	17.58	18.55
EDGE 3 Tx slots		22.00	23.16	23.34	24.00	17.74	18.90
EDGE 4 Tx slots		20.52	21.58	21.77	22.50	17.52	18.77
WCDMA II Ant 2 DSI3							
Band		WCDMA II Ant 2		WCDMA IV Ant 2		WCDMA IV Ant 2	
TX Channel		9282	9400	9538	Limit	1312	1413
RX Channel		8652	8800	8958	(dBm)	1537	1638
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6
3GPP Rel 99		AMR 12.2Kbps	20.34	20.40	20.42	21.10	19.40
3GPP Rel 99		RMC 12.2Kbps	20.45	20.45	20.42	21.10	19.44
3GPP Rel 6		HSDPA Subtest-1	19.29	19.42	19.52	20.10	18.33
3GPP Rel 6		HSDPA Subtest-2	19.35	19.45	19.45	20.10	18.44
3GPP Rel 6		HSDPA Subtest-3	18.75	18.90	18.80	19.60	17.87
3GPP Rel 6		HSDPA Subtest-4	18.83	18.93	18.81	19.60	17.80
3GPP Rel 8		DC-HSDPA Subtest-1	19.32	19.51	19.50	20.10	18.36
3GPP Rel 8		DC-HSDPA Subtest-2	19.45	19.52	19.25	20.10	18.50
3GPP Rel 8		DC-HSDPA Subtest-3	18.80	18.88	18.94	19.60	17.74
3GPP Rel 8		DC-HSDPA Subtest-4	18.85	18.98	18.75	19.60	17.82
3GPP Rel 6		HSUPA Subtest-1	19.41	19.45	19.41	20.10	18.43
3GPP Rel 6		HSUPA Subtest-2	17.36	17.45	17.55	18.10	16.35
3GPP Rel 6		HSUPA Subtest-3	18.33	18.45	18.53	19.10	17.49
3GPP Rel 6		HSUPA Subtest-4	17.37	17.40	17.43	18.10	16.38
3GPP Rel 6		HSUPA Subtest-5	19.45	19.51	19.57	20.10	18.38

Band 2 Ant 2 DSI3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up (dB)	APRS (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.05	20.07	20.04			21.1	0				
20	QPSK	1	48	20.03	20.02	19.98								
20	QPSK	1	96	20.02	19.93	19.99								
20	QPSK	50	0	20.03	20.05	19.97			21.1	0				
20	QPSK	50	24	20.02	20.03	19.99								
20	QPSK	50	50	19.95	20.03	19.91								
20	QPSK	100	0	20.01	20.02	19.95			21.1	0				
20	16QAM	1	0	20.05	19.99	19.94								
20	16QAM	1	48	19.93	20.00	20.03			21.1	0				
20	16QAM	1	96	19.92	19.93	20.01								
20	16QAM	50	0	19.95	19.91	19.92			21.1	0				
20	16QAM	50	24	19.95	19.92	19.95								
20	16QAM	50	50	20.01	19.92	19.94			21.1	0				
20	16QAM	100	0	19.97	19.95	19.93								
20	16QAM	1	0	20.02	19.94	19.95			21.1	0				
20	16QAM	1	48	19.91	20.02	20.04								
20	16QAM	1	96	20.01	19.95	20.02			21	0.1				
20	16QAM	50	0	19.98	19.95	19.91								
20	16QAM	50	24	19.95	19.93	19.99			21	0.1				
20	16QAM	50	50	19.48	19.91	19.95								
20	256QAM	1	0	17.52	17.41	17.52			19	2.1				
20	256QAM	1	48	17.49	17.38	17.40								
20	256QAM	1	96	17.40	17.35	17.32			19	2.1				
20	256QAM	50	0	17.32	17.40	17.35								
20	256QAM	50	24	17.44	17.49	17.52			19	2.1				
20	256QAM	50	50	17.41	17.40	17.35								
20	256QAM	100	0	17.37	17.40	17.42			Turn-up (dB)	APRS (dB)				
Channel														
Frequency (MHz)														
15	QPSK	1	0	15.95	15.94	15.95			21.1	0				
15	QPSK	1	8	15.92	15.97	15.95								
15	QPSK	1	74	15.94	15.90	15.95			21.1	0				
15	QPSK	36	0	15.91	15.93	15.97								
15	QPSK	36	20	15.95	15.93	15.98			21.1	0				
15	QPSK	36	36	15.97	15.93	15.91								
15	QPSK	75	0	15.95	15.95	15.95			21.1	0				
15	16QAM	1	0	15.99	15.94	15.92								
15	16QAM	1	37	15.92	15.95	15.99			21.1	0				
15	16QAM	1	74	15.98	15.92	15.96								
15	16QAM	36	0	15.97	15.95	15.94			21.1	0				
15	16QAM	36	20	15.91	15.98	15.97								
15	16QAM	36	36	15.92	15.93	15.94			21.1	0				
15	16QAM	75	0	15.95	15.95	15.98								
15	16QAM	1	0	15.98	15.95	15.99			21.1	0				
15	16QAM	1	37	15.91	15.94	15.94								
15	16QAM	1	74	15.93	15.97	15.94			21.1	0.1				
15	16QAM	36	0	15.28	15.27	15.31								
15	16QAM	36	20	15.27	15.34	15.42			21	0.1				
15	16QAM	36	36	15.41	15.47	15.42								
15	16QAM	75	0	15.31	15.31	15.35			19	2.1				
15	256QAM	1	37	17.42	17.35	17.32								
15	256QAM	1	74	17.31	17.34	17.27			19	2.1				
15	256QAM	36	0	17.35	17.32	17.35								
15	256QAM	36	20	17.48	17.41	17.44			19	2.1				
15	256QAM	36	36	17.32	17.29	17.29								
15	256QAM	75	0	17.31	17.41	17.38			Turn-up (dB)	APRS (dB)				
Channel														
Frequency (MHz)														
5	QPSK	1	0	5.93	5.93	5.93			21.1	0				
5	QPSK	1	12	5.91	5.97	5.96								
5	QPSK	1	24	5.93	5.96	5.95			21.1	0				
5	QPSK	14	0	5.97	5.91	5.92								
5	QPSK	14	7	5.94	5.95	5.92			21.1	0				
5	QPSK	25	0	5.94	5.96	5.91								
5	16QAM	1	0	5.92	5.92	5.93			21.1	0				
5	16QAM	1	12	5.93	5.93	5.93								
5	16QAM	1	24	5.93	5.91	5.93			21.1	0				
5	16QAM	12	0	5.93	5.93	5.94								
5	16QAM	12	12	5.91	5.96	5.91			21.1	0.1				
5	16QAM	12	13	5.95	5.97	5.95								
5	16QAM	25	0	5.95	5.92	5.93			21.1	0				
5	16QAM	25	12	5.93	5.92	5.94								
5	16QAM	1	12	5.95	5.90	5.94			21	0.1				
5	16QAM	1	24	5.95	5.94	5.94								
5	16QAM	1	48	5.93	5.94	5.93			19	2.1				
5	256QAM	1	0	5.95	5.92	5.95								
5	256QAM	1	12	5.95	5.92	5.94			19	2.1				
5	256QAM	1	24	5.97	5.93	5.97								
5	256QAM	1	48	5.97	5.95	5.97			19	2.1				
5	256QAM	12	0	5.96	5.94	5.95								
5	256QAM	12	12	5.97	5.94	5.95			19	2.1				
5	256QAM	12	13	5.97	5.94	5.94								
5	256QAM	25	0	5.96	5.92	5.94			19	2.1				
5	256QAM	25	12	5.97	5.93	5.97								
5	256QAM	25	12	5.96	5.93	5.95			19	2.1				
5	256QAM	25	25	5.98	5.94	5.95								
5	256QAM	50	0	5.94	5.95	5.94			Turn-up (dB)	APRS (dB)				
Channel														
Frequency (MHz)														
3	QPSK	1	0	3.92	3.97	3.96			21.1	0				
3	QPSK	1	8	3.92	3.91	3.95								
3	QPSK	1	14	3.95	3.91	3.97			21.1	0				
3	QPSK	8	0	3.95	3.95	3.95								
3	QPSK	8	4	3.95	3.92	3.93			21.1	0				
3	QPSK	8	7	3.95	3.95	3.94								
3	QPSK	15	0	3.95	3.95	3.91			21.1	0				
3	16QAM	1	0	3.95	3.92	3.94								
3	16QAM	1	8	3.97	3.93	3.95			21.1	0				
3	16QAM	1	14	3.92	3.93	3.91								
3	16QAM	8	0	3.93	3.95	3.95			21.1	0				
3	16QAM	8	4	3.95	3.95	3.94								
3	16QAM	8	7	3.91	3.94	3.92			21.1	0				
3	16QAM	15	0	3.98	3.93	3.95								
3	16QAM	1	0	3.91	3.91	3.91			21.1	0				
3	16QAM	1	8	3.91	3.95	3.95								
3	16QAM	1	14	3.92	3.95	3.97			21	0.1				
3	16QAM	15	0	3.95	3.92	3.95								
3	256QAM	1	0	3.95	3.92	3.97			19	2.1				
3	256QAM	1	8	3.91	3.92	3.95								
3	256QAM	1	14	3.92	3.92	3.95			19	2.1				
3	256QAM	8	0	3.95	3.95	3.95								
3	256QAM	8	4	3.95	3.95	3.95			19	2.1				
3	256QAM	8	7	3.95	3.95	3.95								
3	256QAM	15	0	3.97	3.92	3.95			Turn-up (dB)	APRS (dB)				
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	1.91	1.95	1.95			21.1	0				
1.4	QPSK	1	3	1.92	1.95	1.95								
1.4	QPSK	1	14	1.95	1.91	1.97			21.1	0				
1.4	QPSK	3	0	1.95	1.95	1.95								
1.4	QPSK	3	3	1.95	1.92	1.93			21.1	0				
1.4	QPSK	3	3	1.95	1.92	1.93								
1.4	QPSK	3	3	1.95	1.92	1.91			21.1	0				
1.4	16QAM	1	0	1.95	1.95	1.94								
1.4	16QAM	1	3	1.95	1.93	1.93			21.1	0				
1.4	16QAM	1	5	1.94	1.94	1.95								
1.4	16QAM	3	0	1.93	1.95	1.95			21.1	0				
1.4	16QAM	3	3	1.93	1.92	1.93								
1.4	16QAM	3	3	1.93	1.92	1.91			21.1	0				
1.4	16QAM	15	0	1.94	1.93	1.95								
1.4	16QAM	1	0	1.94	1.94	1.94			21.1	0				
1.4	16QAM	1	3	1.94	1.94	1.94								
1.4	16QAM	3	0	1.95	1.92	1.95			21	0.1				
1.4	16QAM	3	3	1.95	1.92	1.93								
1.4	256QAM	1	0	1.95	1.92	1.94			19	2.1				
1.4	256QAM	1	3	1.92	1.92	1.94								
1.4	256QAM	1	5	1.94	1.92	1.93			19	2.1				
1.4	256QAM	3	0	1.94	1.93	1.95								
1.4	256QAM	3	3	1.92	1.92	1.94			Turn-up (dB)	APRS (dB)				
Channel														
Frequency (MHz)														
0.4	QPSK	1	0	0.92	0.94	0.94			21.1	0				
0.4	QPSK	1	3	0.92	0.94	0.94								
0.4	QPSK	1	5	0.92	0.90	0.93			21.1	0				
0.4	QPSK	3	0	0.90	0.92	0.94								
0.4	QPSK	3	3	0.90	0.93	0.93			21.1	0				
0.4	QPSK	3	3	0.90	0.91	0.91								
0.4	16QAM	1	0	0.95	0.91	0.94			21.1	0				
0.4	16QAM	1	3	0.95	0.93	0.93								
0.4	16QAM	1	5	0.94	0.94	0.95			21.1	0				
0.4	16QAM	3	0	0.93	0.94	0.95								
0.4	16QAM	3	3	0.93	0.92	0.93			21.1	0				
0.4	16QAM	15	0	0.94	0.93	0.95								
0.4	16QAM	1	0	0.94	0.94	0.94			21.1	0				
0.4	16QAM	1	3	0.94	0.94	0.94								
0.4	16QAM	3	0	0.95										

Band 25 Ant 2 DSI3															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (MHz)	APRS (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	20.02	20.00	20.04	21.1	0							
20	QPSK	1	49	19.92	19.91	19.99									
20	QPSK	1	99	20.01	20.00	20.04									
20	QPSK	50	0	20.01	20.04	20.00									
20	QPSK	99	24	20.03	19.98	19.99	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	19.98	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	20.02	19.92	20.01									
20	16QAM	50	24	20.02	20.01	19.98									
20	16QAM	50	50	19.98	20.00	20.04	21.1	0							
20	16QAM	100	0	20.00	19.93	20.02									
20	64QAM	1	0	20.02	20.02	19.99									
20	64QAM	1	49	19.94	19.94	20.01									
20	64QAM	50	0	19.97	19.97	19.93	21	0							
20	64QAM	50	0	19.47	19.36	19.42									
20	64QAM	50	24	19.51	19.51	19.50									
20	64QAM	50	50	19.50	19.45	19.53									
20	256QAM	1	0	19.28	19.34	19.27	19	21							
20	256QAM	1	49	17.45	17.42	17.48									
20	256QAM	1	49	17.45	17.52	17.44									
20	256QAM	1	99	17.53	17.48	17.52									
20	256QAM	50	0	17.26	17.28	17.19	19	21							
20	256QAM	50	24	17.38	17.40	17.44									
20	256QAM	50	50	17.45	17.40	17.42									
20	256QAM	100	0	17.56	17.48	17.52									
Channel															
Frequency (MHz)															
15	QPSK	1	0	19.81	19.80	19.84	21.1	0							
15	QPSK	1	37	19.85	19.83	19.89									
15	QPSK	1	74	19.96	19.82	19.93									
15	QPSK	36	0	19.80	19.80	19.86									
15	QPSK	36	20	19.83	19.82	19.83	21.1	0							
15	QPSK	36	36	19.84	19.83	19.90									
15	16QAM	1	0	19.86	19.86	19.86									
15	16QAM	1	0	19.82	19.83	19.86									
15	16QAM	1	37	19.88	19.88	19.86	21.1	0							
15	16QAM	1	74	19.81	19.89	19.88									
15	16QAM	36	0	19.80	19.85	19.84									
15	16QAM	36	20	19.90	19.93	19.92									
15	64QAM	1	0	19.83	19.88	19.91	21.1	0							
15	64QAM	1	37	19.83	19.86	19.87									
15	64QAM	36	0	19.82	19.80	19.90									
15	64QAM	36	36	19.50	19.44	19.53									
15	64QAM	75	0	19.83	19.88	19.91	21	0							
15	64QAM	1	0	19.83	19.86	19.87									
15	64QAM	36	36	19.50	19.44	19.53									
15	64QAM	36	36	19.50	19.44	19.53									
15	256QAM	1	37	17.53	17.53	17.51	19	21							
15	256QAM	1	74	17.53	17.43	17.30									
15	256QAM	36	0	17.30	17.36	17.32									
15	256QAM	36	20	17.52	17.38	17.36									
15	256QAM	36	36	17.53	17.44	17.30	19	21							
15	256QAM	75	0	17.57	17.40	17.39									
Channel															
Frequency (MHz)															
10	QPSK	1	0	19.85	19.85	19.84	21.1	0							
10	QPSK	1	12	19.09	19.08	19.04									
10	QPSK	1	24	19.03	19.03	19.02									
10	QPSK	12	0	19.01	19.03	19.06									
10	QPSK	12	7	19.01	19.09	19.09	21.1	0							
10	QPSK	12	13	19.04	19.02	19.08									
10	QPSK	24	0	19.02	19.02	19.05									
10	16QAM	1	0	19.07	19.05	19.06									
10	16QAM	1	12	19.03	19.01	19.05	21.1	0							
10	16QAM	1	24	19.05	19.06	19.02									
10	16QAM	12	0	19.01	19.02	19.02									
10	16QAM	12	7	19.02	19.02	19.04									
10	16QAM	12	13	19.03	19.02	19.05	21.1	0							
10	16QAM	25	0	19.03	19.02	19.01									
10	64QAM	1	0	19.06	19.04	19.04									
10	64QAM	12	0	19.03	19.03	19.08									
10	64QAM	1	24	19.02	19.02	19.07	21	0							
10	64QAM	12	7	19.05	19.01	19.02									
10	64QAM	12	13	19.04	19.03	19.05									
10	256QAM	1	25	17.40	17.48	17.54									
10	256QAM	1	12	17.42	17.47	17.41	19	21							
10	256QAM	1	24	17.30	17.38	17.26									
10	256QAM	12	0	17.53	17.31	17.52									
10	256QAM	12	7	17.52	17.42	17.53									
10	256QAM	12	13	17.51	17.42	17.28	19	21							
10	256QAM	25	0	17.47	17.41	17.50									
Channel															
Frequency (MHz)															
5	QPSK	1	0	19.85	19.85	19.84	21.1	0							
5	QPSK	1	12	19.09	19.08	19.04									
5	QPSK	1	24	19.03	19.03	19.02									
5	QPSK	12	0	19.01	19.03	19.06									
5	QPSK	12	7	19.01	19.09	19.09	21.1	0							
5	QPSK	12	13	19.04	19.02	19.08									
5	QPSK	24	0	19.02	19.02	19.05									
5	16QAM	1	0	19.07	19.05	19.06									
5	16QAM	1	12	19.03	19.01	19.05	21.1	0							
5	16QAM	1	24	19.05	19.06	19.02									
5	16QAM	12	0	19.01	19.02	19.02									
5	16QAM	12	7	19.02	19.02	19.04									
5	16QAM	12	13	19.03	19.02	19.05	21.1	0							
5	16QAM	25	0	19.03	19.02	19.01									
5	64QAM	1	0	19.06	19.04	19.04									
5	64QAM	12	0	19.03	19.03	19.08									
5	64QAM	1	24	19.02	19.02	19.07	21	0							
5	64QAM	12	7	19.05	19.01	19.02									
5	64QAM	12	13	19.04	19.03	19.05									
5	256QAM	1	25	17.40	17.48	17.54									
5	256QAM	1	12	17.42	17.47	17.41	19	21							
5	256QAM	1	24	17.30	17.38	17.26									
5	256QAM	12	0	17.53	17.31	17.52									
5	256QAM	12	7	17.52	17.42	17.53									
5	256QAM	12	13	17.51	17.42	17.28	19	21							
5	256QAM	25	0	17.47	17.41	17.50									
Channel															
Frequency (MHz)															
3	QPSK	1	0	19.81	19.80	19.84	21.1	0							
3	QPSK	1	37	19.85	19.83	19.89									
3	QPSK	1	74	19.96	19.82	19.93									
3	QPSK	8	0	19.04	19.02	19.02									
3	QPSK	8	1	19.04	19.02	19.02	21.1	0							
3	QPSK	8	7	19.09	19.06	19.03									
3	QPSK	8	15	19.02	19.03	19.07									
3	16QAM	1	0	19.07	19.05	19.06									
3	16QAM	1	8	19.09	19.04	19.05	21.1	0							
3	16QAM	1	14	19.04	19.07	19.01									
3	16QAM	8	0	19.00	19.00	19.00									
3	16QAM	8	4	19.02	19.04	19.01									
3	16QAM	8	7	19.03	19.08	19.03	21.1	0							
3	16QAM	8	15	19.02	19.01	19.04									
3	64QAM	1	0	19.07	19.05	19.07									
3	64QAM	8	0	19.02	19.08	19.01									
3	64QAM	8	14	19.04	19.04	19.04	21	0							
3	64QAM	8	7	19.07	19.07	19.07									
3	256QAM	1	27	17.41	17.45	17.46									
3	256QAM	1	8	17.41	17.37	17.35									
3	256QAM	8	0	17.31	17.35	17.35	19	21							
3	256QAM	8	7	17.47	17.40	17.46									
3	256QAM	8	14	17.46	17.46	17.46									
3	256QAM	8	17	17.41	17.40	17.41									
3	256QAM	8	7	17.57	17.39	17.41	19	21							
3	256QAM	8	14	17.47	17.47	17.47									
3	256QAM	8	17	17.47	17.47	17.47									
3	256QAM	8	7	17.57	17.39	17.41									
Channel															
Frequency (MHz)															
1.4	QPSK	1	0	19.89	19.89	19.89	21.1	0							
1.4	QPSK	1	37	19.90	19.90	19.90									
1.4	QPSK	1	74	19.91	19.91	19.91									
1.4	QPSK	8	0	19.04	19.03	19.03									
1.4	QPSK	8	1	19.04	19.03	19.03	21.1	0							
1.4	QPSK	8	7	19.09	19.06	19.06									
1.4	QPSK	8	15	19.02	19.02	19.02									
1.4	16QAM	1	0	19.07	19.05	19.05									
1.4	16QAM	1	37	19.04	19.05	19.03	21.1	0							
1.4	16QAM	1	74	19.94	19.96	19.96									
1.4	16QAM	8	0	19.00	19.00	19.00									
1.4	16QAM	8	4	19.02	19.04	19.01									
1.4	16QAM	8	7	19.03	19.08	19.03	21.1	0							
1.4	16QAM	8	15	19.02	19.01	19.04									
1.4	64QAM	1	0	19.07	19.05	19.07									
1.4	64QAM	8	0	19.02	19.08	19.01									
1.4	64QAM	8	14	19.04	19.04	19.04	21	0							
1.4	64QAM	8	7	19.07	19.07	19.07									
1.4	256QAM	1	27	17.41	17.45	17.46									
1.4	256QAM	1	8	17.41	17.37	17.35									
1.4	256QAM	8	0	17.31	17.35	17.35	19	21							
1.4	256QAM	8	7	17.47	17.40	17.46									
1.4	256QAM	8</													

Band 38 Ant 2 DS13													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				2360	2396	2410							
20	QPSK	1	0	21.52	21.52	21.54							
20	QPSK	1	49	21.47	21.52	21.41	22.3	0					
20	QPSK	50	0	21.45	21.52	21.48							
20	QPSK	50	24	21.48	21.43	21.38							
20	QPSK	50	50	21.38	21.51	21.40	22.3	0					
20	QPSK	100	0	21.48	21.51	21.49							
20	16QAM	1	0	21.51	21.40	21.36							
20	16QAM	1	49	21.50	21.50	21.46	22.3	0					
20	16QAM	1	99	21.51	21.54	21.38							
20	16QAM	50	0	20.58	20.68	20.55							
20	16QAM	50	24	20.39	20.63	20.49	22	0.3					
20	16QAM	50	50	20.36	20.38	20.56							
20	16QAM	100	0	20.56	20.62	20.50							
20	16QAM	1	0	20.61	20.66	20.51							
20	16QAM	1	49	20.41	20.51	20.49	22	0.3					
20	16QAM	1	99	20.62	20.63	20.44							
20	16QAM	50	0	19.73	19.56	19.56							
20	16QAM	50	24	19.84	19.61	19.79	21	1.3					
20	16QAM	50	50	19.70	19.60	19.71							
20	16QAM	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	3.3					
20	256QAM	1	99	17.49	17.59	17.56							
20	256QAM	50	0	17.41	17.56	17.39							
20	256QAM	50	24	17.66	17.62	17.66	19	3.3					
20	256QAM	50	50	17.70	17.58	17.51							
20	256QAM	100	0	17.74	17.66	17.66							
Channel													
Frequency (MHz)				2377.5	2396	2410.5	Turn-up limit (dBm)	MPR (dB)					
15	QPSK	1	0	21.34	21.39	21.31							
15	QPSK	1	37	21.39	21.41	21.29	22.3	0					
15	QPSK	74	0	21.42	21.29	21.41							
15	QPSK	36	0	21.32	21.41	21.41							
15	QPSK	36	20	21.40	21.34	21.36	22.3	0					
15	QPSK	75	0	21.40	21.37	21.32							
15	16QAM	1	0	21.35	21.35	21.31							
15	16QAM	1	37	21.41	21.31	21.31	22.3	0					
15	16QAM	1	74	21.33	21.41	21.31							
15	16QAM	36	0	20.62	20.49	20.57							
15	16QAM	36	20	20.37	20.44	20.41	22	0.3					
15	16QAM	36	39	20.27	20.31	20.46							
15	16QAM	75	0	20.33	20.38	20.48							
15	16QAM	75	0	20.56	20.56	20.55							
15	16QAM	1	37	20.40	20.34	20.43	22	0.3					
15	16QAM	1	74	20.42	20.46	20.43							
15	16QAM	36	0	19.62	19.54	19.46							
15	16QAM	36	20	19.64	19.56	19.72	21	1.3					
15	16QAM	36	39	19.59	19.51	19.65							
15	16QAM	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	3.3					
15	256QAM	1	74	17.48	17.49	17.53							
15	256QAM	36	0	17.38	17.39	17.43							
15	256QAM	36	20	17.48	17.56	17.49	19	3.3					
15	256QAM	36	39	17.59	17.45	17.52							
15	256QAM	75	0	17.67	17.63	17.61							
Channel													
Frequency (MHz)				2376	2396	2410	Turn-up limit (dBm)	MPR (dB)					
10	QPSK	1	0	21.21	21.45	21.36							
10	QPSK	1	25	21.29	21.43	21.26	22.3	0					
10	QPSK	1	49	21.30	21.36	21.35							
10	QPSK	25	0	21.35	21.31	21.35							
10	QPSK	25	12	21.28	21.43	21.29	22.3	0					
10	QPSK	25	25	21.34	21.45	21.39							
10	QPSK	50	0	21.41	21.41	21.32							
10	16QAM	1	0	21.31	21.42	21.31							
10	16QAM	1	25	21.30	21.40	21.31	22.3	0					
10	16QAM	1	49	21.30	21.37	21.34							
10	16QAM	25	0	20.51	20.61	20.48							
10	16QAM	25	12	20.33	20.47	20.48	22	0.3					
10	16QAM	25	25	20.27	20.35	20.45							
10	16QAM	50	0	20.37	20.39	20.47							
10	16QAM	1	0	20.50	20.48	20.42	22	0.3					
10	16QAM	1	25	20.34	20.33	20.47							
10	16QAM	1	49	20.44	20.44	20.45							
10	16QAM	25	0	19.58	19.52	19.48							
10	16QAM	25	12	19.73	19.50	19.65	21	1.3					
10	16QAM	25	25	19.54	19.60	19.54							
10	16QAM	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	3.3					
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	17.60	19	3.3					
10	256QAM	25	25	17.47	17.51	17.42							
10	256QAM	50	0	17.65	17.57	17.57							
Channel													
Frequency (MHz)				2372.5	2396	2417.5	Turn-up limit (dBm)	MPR (dB)					
5	QPSK	1	0	21.36	21.41	21.34							
5	QPSK	1	12	21.41	21.29	21.29	22.3	0					
5	QPSK	1	24	21.38	21.40	21.40							
5	QPSK	12	0	21.34	21.25	21.35							
5	QPSK	12	0	21.31	21.42	21.36	22.3	0					
5	QPSK	12	13	21.32	21.30	21.27							
5	QPSK	25	0	21.42	21.32	21.33							
5	16QAM	1	0	21.41	21.33	21.32							
5	16QAM	1	12	21.30	21.37	21.26	22.3	0					
5	16QAM	1	24	21.28	21.39	21.27							
5	16QAM	12	0	20.53	20.56	20.44							
5	16QAM	12	7	20.29	20.43	20.39	22	0.3					
5	16QAM	12	13	20.34	20.38	20.32							
5	16QAM	25	0	20.47	20.44	20.51							
5	16QAM	1	0	20.52	20.58	20.52							
5	16QAM	1	12	20.29	20.35	20.46	22	0.3					
5	16QAM	1	24	20.53	20.43	20.40							
5	16QAM	12	0	19.56	19.41	19.59	22	0.3					
5	16QAM	12	7	19.70	19.58	19.65	21	1.3					
5	16QAM	12	13	19.60	19.61	19.57							
5	16QAM	25	0	19.39	19.54	19.41							
5	256QAM	1	0	17.53	17.55	17.68	19	3.3					
5	256QAM	1	12	17.43	17.60	17.49							
5	256QAM	1	24	17.50	17.54	17.46							
5	256QAM	12	0	17.34	17.46	17.31							
5	256QAM	12	7	17.66	17.53	17.51	19	3.3					
5	256QAM	12	13	17.47	17.56	17.50							
5	256QAM	25	0	17.55	17.61	17.50							

Band 41 Ant 2 DSI3									
BW [MHz]	Modulation on	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.	MPR (dB)
Channel									
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	22.3
20	QPSK	1	99	21.56	21.49	21.43	21.56	21.51	
20	QPSK	50	0	21.52	21.52	21.56	21.51	21.51	
20	QPSK	50	24	21.52	21.48	21.53	21.45	21.42	22.3
20	QPSK	50	24	21.52	21.54	21.54	21.52	21.47	
20	QPSK	100	0	21.53	21.51	21.57	21.52	21.47	
20	16QAM	1	0	21.54	21.55	21.56	21.44	21.55	
20	16QAM	1	49	21.48	21.45	21.44	21.48	21.53	22.3
20	16QAM	50	24	21.53	21.56	21.54	21.57	21.53	
20	16QAM	50	0	20.57	20.57	20.69	20.67	20.73	
20	16QAM	50	24	20.55	20.63	20.52	20.43	20.47	22
20	16QAM	100	0	20.45	20.51	20.54	20.59	20.53	
20	16QAM	100	0	20.37	20.37	20.38	20.53	20.54	
20	16QAM	1	49	20.37	20.50	20.49	20.46	20.52	22
20	16QAM	1	99	20.82	20.63	20.49	20.50	20.45	
20	16QAM	50	0	19.62	19.66	19.63	19.58	19.57	
20	16QAM	50	24	19.85	19.60	19.76	19.62	19.75	21
20	16QAM	50	24	19.85	19.60	19.76	19.62	19.75	21
20	16QAM	100	0	19.53	19.53	19.57	19.53	19.54	
20	256QAM	1	0	17.71	17.76	17.69	17.66	17.75	
20	256QAM	1	49	17.67	17.70	17.66	17.71	17.60	19
20	256QAM	1	99	17.66	17.67	17.66	17.67	17.73	
20	256QAM	50	0	17.55	17.51	17.42	17.44	17.42	
20	256QAM	50	24	17.62	17.73	17.60	17.58	17.71	19
20	256QAM	50	50	17.61	17.63	17.64	17.62	17.56	
20	256QAM	100	0	17.64	17.67	17.59	17.64	17.72	
20	256QAM	100	0	17.57	17.57	17.59	17.65	17.64	un-imp (limit)
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.40	21.43	21.48	21.49	21.52	
15	QPSK	1	37	21.44	21.52	21.48	21.40	21.40	22.30
15	QPSK	1	74	21.41	21.51	21.40	21.51	21.41	
15	QPSK	36	0	21.47	21.51	21.40	21.38	21.40	
15	QPSK	36	20	21.43	21.53	21.42	21.40	21.45	22.3
15	QPSK	75	0	21.40	21.50	21.51	21.44	21.49	
15	16QAM	1	0	21.40	21.43	21.48	21.49	21.52	
15	16QAM	1	37	21.47	21.53	21.40	21.43	21.47	22.3
15	16QAM	1	74	21.52	21.41	21.38	21.38	21.37	
15	16QAM	36	0	20.57	20.58	20.55	20.60	20.60	
15	16QAM	36	20	20.37	20.50	20.34	20.44	20.45	22
15	16QAM	36	20	20.37	20.51	20.34	20.38	20.50	
15	16QAM	75	0	20.44	20.53	20.59	20.45	20.58	
15	64QAM	1	0	20.59	20.55	20.55	20.56	20.56	
15	64QAM	1	37	20.36	20.35	20.40	20.42	20.36	22
15	64QAM	1	74	20.46	20.46	20.47	20.43	20.40	
15	64QAM	36	0	19.66	19.51	19.62	19.56	19.61	
15	64QAM	36	20	19.67	19.56	19.65	19.78	19.72	21
15	64QAM	36	20	19.67	19.52	19.74	19.74	19.66	
15	64QAM	75	0	19.46	19.50	19.56	19.51	19.45	
15	256QAM	1	0	17.57	17.67	17.68	17.67	17.64	19
15	256QAM	1	37	17.62	17.62	17.68	17.55	17.61	
15	256QAM	1	74	17.55	17.60	17.37	17.42	17.37	
15	256QAM	36	0	17.36	17.53	17.43	17.36	17.47	
15	256QAM	36	20	17.59	17.58	17.64	17.60	17.63	19
15	256QAM	36	20	17.59	17.57	17.63	17.59	17.57	
15	256QAM	75	0	17.61	17.61	17.67	17.67	17.68	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.47	21.47	21.53	21.46	21.46	
10	QPSK	1	25	21.45	21.42	21.42	21.53	21.45	22.30
10	QPSK	1	49	21.41	21.44	21.39	21.40	21.52	
10	QPSK	25	0	21.50	21.43	21.35	21.47	21.47	
10	QPSK	25	12	21.39	21.50	21.49	21.39	21.50	22.3
10	QPSK	25	12	21.42	21.40	21.40	21.42	21.42	
10	QPSK	50	0	21.43	21.48	21.37	21.41	21.39	
10	16QAM	1	0	21.50	21.47	21.40	21.52	21.46	
10	16QAM	1	25	21.42	21.45	21.44	21.50	21.39	22.3
10	16QAM	1	49	21.41	21.47	21.36	21.50	21.50	
10	16QAM	25	0	20.52	20.56	20.56	20.57	20.52	
10	16QAM	25	12	20.36	20.51	20.38	20.35	20.45	22
10	16QAM	25	25	20.46	20.44	20.37	20.45	20.39	22
10	16QAM	50	0	20.50	20.56	20.44	20.47	20.52	
10	16QAM	50	12	20.36	20.56	20.38	20.35	20.45	
10	64QAM	1	25	20.44	20.43	20.40	20.50	20.42	22
10	64QAM	1	49	20.54	20.58	20.39	20.48	20.50	
10	64QAM	25	0	19.99	19.54	19.55	19.87	19.52	
10	64QAM	25	12	19.79	19.61	19.74	19.71	19.71	21
10	64QAM	25	19	19.60	19.60	19.68	19.67	19.67	
10	64QAM	50	0	19.50	19.53	19.54	19.47	19.47	
10	256QAM	1	0	17.70	17.65	17.67	17.74	17.61	
10	256QAM	1	25	17.58	17.65	17.62	17.67	17.55	19
10	256QAM	1	49	17.56	17.55	17.62	17.64	17.46	
10	256QAM	25	0	17.42	17.47	17.47	17.53	17.37	
10	256QAM	25	12	17.52	17.67	17.63	17.65	17.59	19
10	256QAM	25	25	17.67	17.59	17.45	17.54	17.55	
10	256QAM	50	0	17.58	17.62	17.62	17.57	17.58	
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.50	21.42	21.42	21.44	21.44	
5	QPSK	1	12	21.52	21.42	21.36	21.42	21.41	22.30
5	QPSK	1	25	21.49	21.48	21.50	21.47	21.47	
5	QPSK	12	0	21.52	21.40	21.36	21.47	21.47	
5	QPSK	12	7	21.52	21.52	21.38	21.44	21.39	22.3
5	QPSK	12	13	21.39	21.54	21.46	21.41	21.43	
5	QPSK	25	0	21.40	21.44	21.46	21.37	21.53	
5	16QAM	1	0	21.38	21.46	21.46	21.44	21.44	22
5	16QAM	1	12	21.41	21.45	21.44	21.41	21.43	22.3
5	16QAM	1	24	21.40	21.39	21.39	21.49	21.45	
5	16QAM	12	0	20.53	20.57	20.63	20.52	20.54	
5	16QAM	12	7	20.36	20.53	20.45	20.32	20.46	22
5	16QAM	12	13	20.36	20.53	20.45	20.32	20.46	
5	16QAM	25	0	20.39	20.53	20.59	20.56	20.55	
5	64QAM	1	0	20.62	20.59	20.54	20.55	20.53	
5	64QAM	1	12	20.37	20.33	20.42	20.45	20.39	22
5	64QAM	1	24	20.37	20.57	20.41	20.48	20.49	
5	64QAM	12	0	19.68	19.47	19.58	19.51	19.57	
5	64QAM	12	7	19.73	19.55	19.77	19.73	19.70	21
5	64QAM	12	13	19.59	19.52	19.66	19.70	19.65	
5	64QAM	25	0	19.46	19.60	19.50	19.55	19.46	
5	64QAM	25	12	17.63	17.70	17.70	17.63	17.63	19
5	256QAM	1	12	17.63	17.65	17.64	17.67	17.53	
5	256QAM	1	24	17.44	17.51	17.52	17.42	17.42	
5	256QAM	12	0	17.45	17.53	17.43	17.39	17.47	
5	256QAM	12	7	17.54	17.57	17.56	17.61	17.66	19
5	256QAM	12	13	17.54	17.57	17.56	17.61	17.66	
5	256QAM	25	0	17.59	17.63	17.58	17.63	17.61	

Band 7 Ant 3 DS13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2090	2100	2150		
Frequency (MHz)				2510	2535	2560		
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	20.53	20.55	20.56		
20	16QAM	1	99	20.48	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	64QAM	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	19.56	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	2.8
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	4.8
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	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	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.48	21.50	21.52	22.8	0
15	QPSK	1	37	21.53	21.50	21.56		
15	QPSK	1	74	21.55	21.55	21.60		
15	QPSK	36	0	20.62	20.67	20.59	22	0.8
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	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	36	0	19.50	19.75	19.47		
15	16QAM	36	20	19.34	19.61	19.38		
15	16QAM	36	39	19.38	19.32	19.52	20	2.8
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	36	0	18.81	18.55	18.55		
15	64QAM	36	20	18.86	18.67	18.71	20	2.8
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	4.8
15	256QAM	1	37	16.60	16.68	16.65		
15	256QAM	1	74	16.45	16.56	16.63		
15	256QAM	36	0	16.37	16.54	16.46	18	4.8
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				20700	21000	21400		
Frequency (MHz)				2500	2535	2565	Tune-up limit (dBm)	MPR (dB)
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	20.65	20.46	20.46		
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	20.56	20.68	20.47		
10	16QAM	1	49	20.43	20.59	20.59	21	1.8
10	16QAM	25	0	19.60	19.74	19.59		
10	16QAM	25	12	19.40	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				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
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	20.60	20.76	20.59	22	0.8
5	QPSK	12	7	20.40	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	20	2.8
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	18	4.8
5	64QAM	12	13	18.66	18.56	18.70		
5	64QAM	25	0	18.44	18.65	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	16.75		
5	256QAM	12	13	16.75	16.59	16.53		
5	256QAM	25	0	16.79	16.60	16.67		

Band 38 Ant 3 DS13													
BW [MHz]	Modulation	RB Size	RB offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				37860	38000	38150							
20	QPSK	1	0	21.48	21.56	21.44			23	0			
20	QPSK	1	49	21.49	21.47	21.41							
20	QPSK	1	99	21.40	21.46	21.42							
20	QPSK	50	0	20.59	20.65	20.56			22	1			
20	QPSK	50	24	20.51	20.63	20.57							
20	QPSK	50	50	20.51	20.39	20.47							
20	16QAM	1	0	20.47	20.51	20.36			22	1			
20	16QAM	1	49	20.52	20.63	20.44							
20	16QAM	1	99	20.44	20.66	20.51							
20	16QAM	50	0	19.52	19.73	19.58			21	1			
20	16QAM	50	24	19.31	19.63	19.33							
20	16QAM	100	0	19.53	19.56	19.52							
20	16QAM	1	0	19.63	19.66	19.49			21	2			
20	16QAM	1	49	19.37	19.50	19.53							
20	16QAM	1	99	19.70	19.65	19.52							
20	16QAM	50	0	18.74	18.53	18.48			20	3			
20	16QAM	50	24	18.86	18.63	18.85							
20	16QAM	50	50	18.70	18.64	18.71							
20	16QAM	100	0	18.40	18.88	18.40			18	5			
20	256QAM	1	0	16.78	16.62	16.82							
20	256QAM	1	49	16.72	16.70	16.74							
20	256QAM	1	99	16.57	16.59	16.53			18	5			
20	256QAM	50	0	16.30	16.63	16.40							
20	256QAM	50	24	16.63	16.55	16.68							
20	256QAM	50	50	16.77	16.64	16.49			18	5			
20	256QAM	100	0	16.80	16.70	16.69							
Frequency (MHz)				2572.5	26000	26125	unre- limit (dBm)	MPR (dB)					
15	QPSK	1	0	21.44	21.34	21.36			23	0			
15	QPSK	1	37	21.46	21.34	21.30							
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	20.48	20.49	20.42							
15	16QAM	1	0	20.38	20.26	20.27			22	1			
15	16QAM	1	37	20.46	20.57	20.34							
15	16QAM	1	74	20.52	20.50	20.50							
15	16QAM	36	0	19.43	19.55	19.38			21	2			
15	16QAM	36	20	19.36	19.52	19.26							
15	16QAM	36	39	19.27	19.25	19.47							
15	16QAM	75	0	19.42	19.56	19.46			20	3			
15	16QAM	1	0	19.40	19.50	19.41							
15	16QAM	1	37	19.34	19.47	19.47							
15	16QAM	1	74	19.47	19.52	19.38			20	3			
15	16QAM	36	0	18.67	18.48	18.45							
15	16QAM	36	20	18.70	18.49	18.65							
15	16QAM	36	39	18.52	18.53	18.51			18	5			
15	16QAM	75	0	18.42	18.55	18.35							
15	256QAM	1	0	18.65	18.50	18.69							
15	256QAM	1	37	18.56	18.56	18.52			18	5			
15	256QAM	1	74	18.36	18.46	18.36							
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							
Channel													
Frequency (MHz)				37860	38000	38200	unre- limit (dBm)	MPR (dB)					
10	QPSK	1	0	21.41	21.35	21.31			23	0			
10	QPSK	1	25	21.35	21.49	21.38							
10	QPSK	1	49	21.39	21.48	21.50							
10	QPSK	25	0	20.56	20.67	20.57			22	1			
10	QPSK	25	12	20.42	20.56	20.52							
10	QPSK	25	25	20.49	20.31	20.40							
10	QPSK	50	0	20.48	20.61	20.46			22	1			
10	16QAM	1	0	20.38	20.28	20.24							
10	16QAM	1	25	20.36	20.45	20.43							
10	16QAM	1	49	20.37	20.57	20.53			21	2			
10	16QAM	25	0	19.46	19.62	19.52							
10	16QAM	25	12	19.36	19.66	19.23							
10	16QAM	25	25	19.32	19.35	19.47			20	3			
10	16QAM	50	0	19.57	19.67	19.33							
10	16QAM	1	0	19.55	19.60	19.49							
10	16QAM	1	25	19.34	19.46	19.42			20	3			
10	16QAM	1	49	19.58	19.51	19.37							
10	16QAM	25	0	18.60	18.47	18.39							
10	16QAM	25	12	18.76	18.52	18.70			18	5			
10	16QAM	25	25	18.57	18.50	18.65							
10	16QAM	50	0	18.40	18.40	18.31							
10	256QAM	1	0	16.66	16.55	16.76			18	5			
10	256QAM	1	25	16.51	16.53	16.55							
10	256QAM	1	49	16.47	16.54	16.51							
10	256QAM	25	0	16.26	16.42	16.24			18	5			
10	256QAM	25	12	16.56	16.56	16.56							
10	256QAM	25	25	16.59	16.41	16.49							
10	256QAM	50	0	16.66	16.62	16.50			unre- limit (dBm)	MPR (dB)			
5	QPSK	1	0	21.49	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	20.45							
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	19.36			21	2			
5	16QAM	12	7	19.22	19.46	19.34							
5	16QAM	12	13	19.33	19.30	19.47							
5	16QAM	25	0	19.40	19.52	19.44			21	2			
5	16QAM	1	0	19.53	19.57	19.41							
5	16QAM	1	12	19.27	19.37	19.35							
5	16QAM	1	24	19.53	19.47	19.31			20	3			
5	16QAM	12	0	18.61	18.52	18.38							
5	16QAM	12	7	18.78	18.54	18.70							
5	16QAM	12	13	18.57	18.55	18.62			18	5			
5	16QAM	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	16.54			18	5			
5	256QAM	12	13	16.52	16.49	16.39							
5	256QAM	25	0	16.69	16.53	16.62							

Band 41 Ant 3 DS13													
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													
Frequency (MHz)				2950	40185	40620	41058	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					
20	QPSK	1	99	21.45	21.50	21.52	21.46	21.41		23			
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	49	20.46	20.41	20.43	20.47	20.55		22			
20	QPSK	50	99	20.52	20.55	20.56	20.51	20.57					
20	QPSK	100	0	20.54	20.54	20.54	20.54	20.54					
20	16QAM	1	0	20.46	20.53	20.47	20.44	20.47					
20	16QAM	1	49	20.57	20.59	20.56	20.65	20.56		22			
20	16QAM	1	99	20.69	20.69	20.62	20.70	20.58					
20	16QAM	50	0	19.73	19.73	19.73	19.73	19.73					
20	16QAM	50	24	19.59	19.57	19.62	19.58	19.67		21			
20	16QAM	50	50	19.34	19.32	19.38	19.35	19.38					
20	16QAM	100	0	19.49	19.61	19.61	19.54	19.61					
20	16QAM	100	1	19.73	19.68	19.74	19.68	19.71					
20	16QAM	1	49	19.59	19.59	19.59	19.59	19.59		21			
20	16QAM	1	99	19.72	19.64	19.62	19.66	19.69					
20	16QAM	50	0	18.48	18.59	18.52	18.47	18.53					
20	16QAM	50	24	18.65	18.63	18.69	18.61	18.65		20			
20	16QAM	50	49	18.72	18.69	18.72	18.69	18.72					
20	16QAM	100	0	18.72	18.69	18.69	18.68	18.61					
20	25QAM	1	0	16.57	16.66	16.63	16.59	16.70					
20	25QAM	1	49	16.77	16.67	16.72	16.66	16.73		18			
20	25QAM	1	99	16.64	16.64	16.64	16.58	16.66					
20	25QAM	50	0	16.57	16.66	16.63	16.59	16.66					
20	25QAM	50	24	16.55	16.48	16.52	16.54	16.52		18			
20	25QAM	50	49	16.57	16.66	16.63	16.59	16.66		5			
20	25QAM	100	0	16.74	16.60	16.76	16.62	16.62					
Channel				39700	40180	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				25515	254813	40700	40713	40900	41000	41515			
15	QPSK	1	0	21.44	21.38	21.34	21.42	21.41	21.21				
15	QPSK	1	37	21.33	21.39	21.40	21.37	21.43		23			
15	QPSK	1	74	21.35	21.29	21.38	21.33	21.29					
15	QPSK	36	0	20.54	20.55	20.54	20.54	20.54					
15	QPSK	36	20	20.55	20.57	20.59	20.51	20.46		22			
15	QPSK	36	36	20.22	20.24	20.24	20.31	20.29					
15	QPSK	75	0	20.48	20.58	20.60	20.53	20.47					
15	16QAM	1	0	20.37	20.49	20.42	20.36	20.48					
15	16QAM	1	37	20.52	20.55	20.54	20.54	20.59		22			
15	16QAM	1	74	20.58	20.60	20.58	20.60	20.63					
15	16QAM	36	0	19.69	19.65	19.58	19.59	19.61					
15	16QAM	36	20	19.59	19.59	19.56	19.61	19.55		21			
15	16QAM	36	36	19.28	19.28	19.28	19.30	19.25					
15	16QAM	75	0	19.45	19.53	19.44	19.50	19.47					
15	64QAM	1	0	19.55	19.59	19.56	19.58	19.54					
15	64QAM	1	37	19.38	19.42	19.40	19.33	19.36		21			
15	64QAM	1	74	19.47	19.62	19.53	19.54	19.52					
15	64QAM	36	0	18.57	18.63	18.53	18.45	18.51		20			
15	64QAM	36	20	18.53	18.51	18.60	18.58	18.57					
15	64QAM	36	36	18.59	18.61	18.51	18.46	18.51		20			
15	64QAM	75	0	18.59	18.50	18.58	18.65	18.58					
15	25QAM	1	0	16.57	16.66	16.63	16.59	16.66					
15	25QAM	1	37	16.66	16.61	16.64	16.52	16.67		18			
15	25QAM	1	74	16.48	16.50	16.48	16.45	16.53					
15	25QAM	36	0	16.51	16.59	16.53	16.56	16.49					
15	25QAM	36	20	16.45	16.53	16.48	16.50	16.38		18			
15	25QAM	36	36	16.59	16.59	16.59	16.59	16.59					
15	25QAM	75	0	16.55	16.66	16.66	16.55	16.53					
Channel				39700	40180	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2591	25427	2593	2630	2685					
10	QPSK	1	0	21.36	21.43	21.47	21.50	21.39					
10	QPSK	1	25	21.47	21.44	21.47	21.47	21.47		23			
10	QPSK	1	49	21.32	21.43	21.32	21.31	21.39					
10	QPSK	25	0	20.58	20.63	20.61	20.48	20.62					
10	QPSK	25	12	20.45	20.57	20.54	20.53	20.49		22			
10	QPSK	25	25	20.32	20.49	20.42	20.42	20.42					
10	QPSK	50	0	20.44	20.51	20.47	20.58	20.54					
10	16QAM	1	0	20.48	20.40	20.42	20.42	20.42					
10	16QAM	1	25	20.50	20.60	20.58	20.58	20.47		22			
10	16QAM	49	0	20.54	20.59	20.59	20.59	20.52					
10	16QAM	25	0	19.52	19.59	19.59	19.59	19.52		21			
10	16QAM	25	12	19.52	19.55	19.57	19.60	19.21					
10	16QAM	50	0	19.34	19.25	19.31	19.21	19.23					
10	25QAM	1	0	19.52	19.40	19.50	19.52	19.51					
10	25QAM	1	19	19.53	19.51	19.51	19.57	19.59					
10	64QAM	1	0	19.35	19.37	19.37	19.41	19.25		21			
10	64QAM	1	49	19.35	19.49	19.63	19.50	19.59					
10	64QAM	25	0	18.46	18.50	18.48	18.40	18.51					
10	64QAM	25	12	18.50	18.54	18.61	18.57	18.57		20			
10	64QAM	50	0	18.59	18.59	18.47	18.47	18.47					
10	64QAM	50	0	18.62	18.60	18.61	18.54	18.61					
10	25QAM	1	0	16.54	16.49	16.57	16.50	16.48					
10	25QAM	1	25	16.59	16.67	16.64	16.57	16.67		18			
10	25QAM	1	49	16.54	16.49	16.48	16.56	16.49					
10	25QAM	25	0	16.38	16.48	16.45	16.47	16.55					
10	25QAM	25	12	16.38	16.40	16.47	16.52	16.45		18			
10	25QAM	25	25	16.53	16.59	16.49	16.58	16.52					
10	25QAM	50	0	16.59	16.64	16.54	16.61	16.58					
Channel				39700	40180	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2498.5	25458.8	2593	2640.30	2687.5					
5	QPSK	1	0	21.42	21.44	21.48	21.41	21.37					
5	QPSK	1	12	21.40	21.44	21.44	21.35	21.39		23			
5	QPSK	1	24	21.43	21.41	21.31	21.33	21.39					
5	QPSK	12	0	20.42	20.62	20.52	20.47	20.52					
5	QPSK	12	7	20.47	20.54	20.49	20.54	20.55		22			
5	QPSK	12	13	20.23	20.36	20.32	20.35	20.24					
5	QPSK	25	0	20.39	20.46	20.32	20.56	20.50					
5	16QAM	1	0	20.47	20.48	20.45	20.36	20.33					
5	16QAM	1	12	20.42	20.53	20.53	20.47	20.47		22			
5	16QAM	1	24	20.53	20.48	20.54	20.63	20.61					
5	16QAM	12	0	19.70	19.61	19.60	19.64	19.67					
5	16QAM	12	7	19.50	19.48	19.59	19.47	19.47		21			
5	16QAM	12	13	19.32	19.34	19.36	19.34	19.32					
5	16QAM	25	0	19.39	19.51	19.51	19.47	19.49					
5	64QAM	1	0	19.53	19.61	19.57	19.58	19.60					
5	64QAM	1	12	19.43	19.32	19.34	19.38	19.40		21			
5	64QAM	1	24	19.54	19.52	19.47	19.49	19.49					
5	64QAM	12	0	18.45	18.45	18.45	18.45	18.44					
5	64QAM	12	7	18.53	18.53	18.48	18.48	18.56		20			
5	64QAM	12	13	18.60	18.46	18.60	18.54	18.47					
5	64QAM	25	0	18.52	18.59	18.51	18.62	18.54					
5	64QAM	25	12	18.67	18.67	18.67	18.67	18.67					
5	25QAM	1	0	16.57	16.60	16.55	16.61	16.58		18			
5	25QAM	1	24	16.42	16.43	16.48	16.52	16.51					
5	25QAM	12	0	16.56	16.59	16.50	16.48	16.48					
5	25QAM	12	7	16.59	16.45	16.37	16.44	16.44		18			
5	25QAM	12	13	16.49	16.60	16.59	16.59	16.59					
5	25QAM	25	0	16.63	16.64	16.63	16.52	16.56					

Band 42 Part 27Q Ant 7 DSI3									
BW [MHz]	Modulat ion	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	22.70	22.70			
20	QPSK	1	49	22.53	22.70	22.53			
20	QPSK	1	99	22.63	22.57	22.65			
20	QPSK	50	0	21.63	21.74	21.59	23	1	
20	QPSK	50	24	21.67	21.66	21.61			
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			
20	16QAM	1	99	21.60	21.64	21.67	22	2	
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	21	3	
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	19	5	
20	256QAM	1	49	17.71	17.66	17.60			
20	256QAM	1	99	17.58	17.57	17.46			
20	256QAM	50	0	17.55	17.51	17.57	19	5	
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				42190	42590	43010			
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	22.64	22.46	22.64			
15	QPSK	36	0	21.46	21.59	21.59	23	1	
15	QPSK	36	20	21.51	21.52	21.49			
15	QPSK	36	39	21.46	21.36	21.32			
15	QPSK	75	0	21.66	21.59	21.45	23	1	
15	16QAM	1	0	21.26	21.31	21.38			
15	16QAM	1	37	21.44	21.31	21.51			
15	16QAM	1	74	21.54	21.49	21.55	22	2	
15	16QAM	36	0	20.53	20.67	20.63			
15	16QAM	36	20	20.33	20.41	20.41			
15	16QAM	36	39	20.49	20.41	20.34	22	2	
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	19	5	
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	5	
15	256QAM	36	20	17.54	17.58	17.69			
15	256QAM	36	39	17.37	17.41	17.55			
15	256QAM	75	0	17.46	17.62	17.54			
Channel				42190	42590	43010			
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	22.63	22.53	22.65			
10	QPSK	25	0	21.56	21.59	21.49	23	1	
10	QPSK	25	12	21.46	21.55	21.50			
10	QPSK	25	25	21.37	21.38	21.32			
10	QPSK	50	0	21.55	21.56	21.43	23	1	
10	16QAM	1	0	21.27	21.31	21.38			
10	16QAM	1	25	21.31	21.44	21.41			
10	16QAM	1	49	21.44	21.53	21.45	22	2	
10	16QAM	25	0	20.64	20.68	20.55			
10	16QAM	25	12	20.36	20.35	20.37			
10	16QAM	25	25	20.36	20.48	20.28	22	2	
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	19	5	
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	5	
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				42116	42590	43068			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.66	22.61	22.54	24	0	
5	QPSK	1	12	22.49	22.61	22.54			
5	QPSK	1	24	22.56	22.49	22.54			
5	QPSK	12	0	21.45	21.61	21.60	23	1	
5	QPSK	12	7	21.44	21.58	21.49			
5	QPSK	12	13	21.36	21.43	21.44			
5	QPSK	25	0	21.52	21.55	21.52	23	1	
5	16QAM	1	0	21.23	21.44	21.46			
5	16QAM	1	12	21.28	21.38	21.48			
5	16QAM	1	24	21.54	21.55	21.53	22	2	
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	20.38	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	19	5	
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	5	
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 DSI4

GSM850 Ant 0 DSI4							
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)		
	128	198	251		128	198	251
Tx Channel	854.2	856.4	848.8		854.2	856.4	848.8
Frequency (MHz)	854.2	856.4	848.8		854.2	856.4	848.8
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78
GPRS 1 Tx slot	32.74	32.95	32.98	33.50	23.74	23.85	23.88
GPRS 2 Tx slots	29.65	30.91	30.88	31.50	23.65	24.91	24.88
GPRS 3 Tx slots	28.16	29.33	29.31	30.00	23.90	25.07	25.05
GPRS 4 Tx slots	26.54	27.73	27.91	28.00	23.54	24.73	24.91
EDGE 1 Tx slot	25.65	26.45	26.71	27.00	18.65	17.45	17.71
EDGE 2 Tx slots	24.67	25.48	25.28	26.00	18.67	19.48	19.28
EDGE 3 Tx slots	23.14	23.92	23.91	24.50	18.88	19.66	19.65
EDGE 4 Tx slots	21.52	22.24	22.21	23.00	18.52	19.24	19.21

WCDMA V Ant 0 DSI4				
Band	4152	4192	4233	Tune-up Limit (dBm)
Tx Channel	4357	4407	4458	
Rx Channel	4357	4407	4458	
Frequency (MHz)	856.4	856.4	848.8	
3GPP Rel 99 AMR 12.2kbps	22.51	22.62	22.56	24.00
3GPP Rel 99 RMC 12.2kbps	22.55	22.55	22.83	24.00
3GPP Rel 6 HSDPA Subtest-1	21.97	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	21.05	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.	Power Middle Ch./Freq.	Power High Ch./Freq.	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
10	QPSK	25	0	21.61	21.66	21.67			
10	QPSK	25	12	21.62	21.64	21.54			
10	QPSK	25	25	21.59	21.55	21.58			23
10	QPSK	50	0	21.61	21.65	21.60			
10	16QAM	1	0	21.59	21.65	21.50			
10	16QAM	1	25	21.61	21.53	21.60			
10	16QAM	1	49	21.61	21.61	21.58			23
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
10	16QAM	50	0	20.60	20.63	20.63			
10	64QAM	1	0	20.63	20.61	20.68			
10	64QAM	1	25	20.60	20.57	20.58			22
10	64QAM	1	49	20.65	20.58	20.56			
10	64QAM	25	0	19.59	19.56	19.66			
10	64QAM	25	12	19.67	19.65	19.53			
10	64QAM	25	25	19.65	19.61	19.66			21
10	64QAM	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
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
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	19	22.46	22.49	22.39			24
5	QPSK	1	24	22.40	22.35	22.47			
5	QPSK	12	0	21.43	21.66	21.63			
5	QPSK	12	7	21.57	21.54	21.44			23
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
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
5	16QAM	12	13	20.46	20.56	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	64QAM	1	0	20.45	20.57	20.63			
5	64QAM	1	12	20.47	20.48	20.55			22
5	64QAM	1	24	20.51	20.42	20.39			
5	64QAM	12	0	19.47	19.40	19.59			
5	64QAM	12	7	19.61	19.57	19.45			21
5	64QAM	12	13	19.56	19.47	19.59			
5	64QAM	25	0	19.62	19.49	19.47			
5	256QAM	1	0	17.59	17.64	17.41			19
5	256QAM	1	12	17.56	17.49	17.54			
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	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
3	QPSK	1	14	22.51	22.36	22.49			
3	QPSK	8	0	21.46	21.66	21.50			
3	QPSK	8	4	21.48	21.57	21.41			23
3	QPSK	8	8	21.50	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
3	16QAM	1	14	21.44	21.53	21.54			
3	16QAM	8	0	20.62	20.48	20.53			22
3	16QAM	8	4	20.54	20.59	20.46			
3	16QAM	8	7	20.46	20.54	20.58			
3	16QAM	15	0	20.51	20.61	20.59			
3	64QAM	1	0	20.50	20.56	20.59			22
3	64QAM	1	8	20.51	20.39	20.54			
3	64QAM	1	14	21.44	21.50	21.41			
3	64QAM	8	0	19.55	19.49	19.60			21
3	64QAM	8	4	19.57	19.59	19.41			
3	64QAM	8	7	19.50	19.52	19.48			
3	64QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.56	17.60	17.42			19
3	256QAM	1	8	17.45	17.57	17.57			
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
3	256QAM	8	7	17.42	17.67	17.54			
3	256QAM	15	0	17.53	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			24
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	3	22.50	22.50	22.57			23
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			23
1.4	16QAM	1	5	21.44	21.50	21.41			
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
1.4	16QAM	6	0	20.46	20.47	20.50			
1.4	64QAM	1	0	20.59	20.54	20.63			21
1.4	64QAM	1	3	20.42	20.54	20.58			
1.4	64QAM	1	5	20.57	20.46	20.50			
1.4	64QAM	3	0	20.52	20.52	20.45			22
1.4	64QAM	3	1	20.52	20.53	20.47			
1.4	64QAM	3	3	20.52	20.49	20.50			
1.4	64QAM	6	0	19.51	19.51	19.42			21
1.4	256QAM	1	0	17.57	17.55	17.39			
1.4	256QAM	1	3	17.46	17.61	17.62			19
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			19
1.4	256QAM	3	3	17.46	17.65	17.48			
1.4	256QAM	6	0	17.44	17.53	17.62			19

Band 7 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)									
20	QPSK	1	0	22.49	22.59	22.54			
20	QPSK	1	49	22.41	22.54	22.35			24
20	QPSK	1	99	22.48	22.29	22.46			
20	QPSK	50	0	21.52	21.62	21.54			
20	QPSK	50	24	21.53	21.47	21.44			23
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	21.48	21.50	21.50			23
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
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	64QAM	1	0	20.60	20.56	20.57			
20	64QAM	1	49	20.55	20.44	20.49			22
20	64QAM	1	99	20.59	20.40	20.42			
20	64QAM	50	0	19.44	19.38	19.60			
20	64QAM	50	24	19.52	19.57	19.41			21
20	64QAM	50	50	19.54	19.54	19.57			
20	64QAM	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
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			19
20	256QAM	50	50	17.47	17.57	17.43			
20	256QAM	100	0	17.54	17.44	17.63			
Channel									
Frequency (MHz)									
				20025	21100	21375	Tune-up limit (dBm)	MPR (dB)	
				2507.5	2535	2562.5			
15	QPSK	1	0	22.52	22.51	22.51			
15	QPSK	1	37	22.31	22.55	22.33			24
15	QPSK	1	74	22.52	22.31	22.53			
15	QPSK	38	0	21.58	21.58	21.53			
15	QPSK	38	20	21.50	21.50	21.40			23
15	QPSK	38	39	21.56	21.52	21.41			
15	QPSK	75	0	21.55	21.60	21.52			
15	16QAM	1	0	21.49	21.50	21.32			
15	16QAM	1	37	21.47	21.39	21.52			23
15	16QAM	1	74	21.47	21.39	21.41			
15	16QAM	38	0	20.81	20.57	20.57			
15	16QAM	38	20	20.63	20.64	20.51			22
15	16QAM	38	39	20.41	20.47	20.57			
15	16QAM	75	0	20.44	20.60	20.57			
15	64QAM	1	0	20.59	20.47	20.57			
15	64QAM	1	37	20.51	20.35	20.50			22
15	64QAM	1	74	20.62	20.45	20.41			
15	64QAM	38	0	19.56	19.51	19.54			
15	64QAM	38	20	19.65	19.59	19.40			21
15	64QAM	38	39	19.51	19.50	19.50			
15	64QAM	75	0	19.54	19.54	19.47			
15	256QAM	1	0	17.51	17.57	17.42			
15	256QAM	1	37	17.58	17.58	17.52			19
15	256QAM	1	74	17.52	17.54	17.56			
15	256QAM	38	0	17.52	17.58	17.56			
15	256QAM	38	20	17.50	17.62	17.52			19
15	256QAM	38	39	17.68	17.68	17.47			
15	256QAM	75	0	17.50	17.52	17.53			
Channel									
Frequency (MHz)									
				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
				2505	2535	2565			
10	QPSK	1	0	22.51	22.53	22.50			
10	QPSK	1	25	22.33	22.45	22.36			24
10	QPSK	1	49	22.39	22.34	22.53			
10	QPSK	25	0	21.51	21.51	21.55			23
10	QPSK	25	25	21.43	21.51	21.47			
10	QPSK	50	0	21.62	21.50	21.45			
10	16QAM	1	0	21.55	21.49	21.43			
10	16QAM	1	25	21.42	21.55	21.43			23
10	16QAM	1	49	21.51	21.51	21.46			
10	16QAM	25	0	20.51	20.49	20.51			
10	16QAM	25	12	20.66	20.51	20.40			22
10	16QAM	25	25	20.63	20.55	20.61			
10	16QAM	50	0	20.47	20.53	20.63			
10	64QAM	1	0	19.44	19.44	19.44			22
10	64QAM	1	25	20.57	20.51	20.50			
10	64QAM	1	49	20.47	20.44	20.47			
10	64QAM	25	0	19.41	19.52	19.55			21
10	64QAM	25	12	19.52	19.55	19.49			
10	64QAM	25	25	19.50	19.47	19.54			
10	256QAM	1	0	19.44	19.44	19.44			
10	256QAM	1	25	17.50	17.67	17.40			19
10	256QAM	1	25	17.48	17.50	17.56			
10	256QAM	1	49	17.57	17.53	17.49			19
10	256QAM	25	0	17.58	17.45	17.51			
10	256QAM	25	12	17.64	17.64	17.50			19
10	256QAM	25	25	17.51	17.57	17.51			
10	256QAM	50	0	17.44	17.40	17.53			
Channel									
Frequency (MHz)									
				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
				2502.5	2535	2567.5			
5	QPSK	1	0	22.44	22.57	22.50			
5	QPSK	1	12	22.42	22.56	22.43			24
5	QPSK	1	25	22.44	22.37	22.46			
5	QPSK	12	0	21.56	21.29	21.81			
5	QPSK	12	7	21.54	21.49	21.44			
5	QPSK	12	13	21.52	21.41	21.48			
5	QPSK	25	0	21.57	21.49	21.55			
5	16QAM	1	0	21.46	21.56	21.43			23
5	16QAM	1	12	21.45	21.54	21.44			
5	16QAM	1	24	21.54	21.53	21.47			
5	16QAM	12	0	20.55	20.59	20.44			
5	16QAM	12	7	20.63	20.49	20.52			22
5	16QAM	12	13	20.48	20.48	20.50			
5	16QAM	25	0	20.51	20.51	20.50			
5	16QAM	25	12	20.49	20.49	20.50			22
5	64QAM	1	12	20.45	20.54	20.50			
5	64QAM	1	24	20.49	20.42	20.46			
5	64QAM	12	0	19.57	19.39	19.62			
5	64QAM	12	7	19.52	19.59	19.46			21
5	64QAM	12	13	19.52	19.52	19.39			
5	64QAM	25	0	19.53	19.43	19.50			
5	256QAM	1	0	17.50	17.58	17.51			
5	256QAM	1	12	17.55	17.51	17.58			19
5	256QAM	1	24	17.51	17.51	17.49			
5	256QAM	12	0	17.56	17.52	17.51			
5	256QAM	12	7	17.54	17.51	17.44			19
5	256QAM	12	13	17.52	17.66	17.53			
5	256QAM	25	0	17.56	17.51	17.52			

Band 13 Ant 0 DS14									
BW [kHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23205			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				762					
10	QPSK	1	0		22.71		24	0	
10	QPSK	1	25		22.60				
10	QPSK	1	49		22.38				
10	QPSK	25	0		21.68				
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		21.50				
10	16QAM	25	0		20.88				
10	16QAM	25	12		20.87				
10	16QAM	25	25		20.54		22	2	
10	16QAM	50	0		20.56				
10	64QAM	1	0		20.69				
10	64QAM	1	25		20.58				
10	64QAM	1	49		20.58		22	2	
10	64QAM	25	0		19.49				
10	64QAM	25	12		19.57				
10	64QAM	25	25		19.89				
10	256QAM	1	0		17.67		19	5	
10	256QAM	1	25		17.64				
10	256QAM	1	49		17.67				
10	256QAM	25	0		17.73				
10	256QAM	25	12		17.67		19	5	
10	256QAM	25	25		17.67				
10	256QAM	25	25		17.69				
10	256QAM	50	0		17.55				
Channel				23205 23230 23255			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				779.5 762 764.5					
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	22.61		
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		
5	16QAM	12	13		21.43	21.60	21.50	22	2
5	16QAM	25	0		20.50	20.41	20.52		
5	16QAM	25	0		20.50	20.41	20.52		
5	64QAM	1	0		20.60	20.56	20.68		
5	64QAM	1	12		20.47	20.55	20.49	22	2
5	64QAM	1	24		20.63	20.46	20.47		
5	64QAM	12	0		20.39	20.58	20.48		
5	64QAM	12	7		20.59	20.50	20.49		
5	64QAM	12	13		20.48	20.52	20.46	21	3
5	64QAM	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		
5	256QAM	1	24		17.57	17.60	17.52	19	5
5	256QAM	12	0		17.53	17.56	17.83		
5	256QAM	12	7		17.55	17.56	17.46		
5	256QAM	12	13		17.53	17.61	17.53		
5	256QAM	25	0		17.42	17.47	17.63		

Band 17 Ant 0 DSI4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760 23790 23820			Tune-up limit (dBm)		
Frequency (MHz)				710 711 713					
10	QPSK	1	0	22.61	22.67	22.58	24	0	
10	QPSK	1	25	22.42	22.60	22.54			
10	QPSK	1	49	22.59	22.45	22.51			
10	QPSK	25	0	21.57	21.65	21.64			
10	QPSK	12	0	21.55	21.64	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	21.58	21.58	21.58	23	1	
10	16QAM	1	49	21.63	21.54	21.61			
10	16QAM	25	0	20.85	20.85	20.51			
10	16QAM	25	12	20.61	20.71	20.59			
10	16QAM	25	25	20.55	20.63	20.67	22	2	
10	16QAM	50	0	20.60	20.62	20.66			
10	64QAM	1	0	20.67	20.56	20.65			
10	64QAM	1	25	20.57	20.58	20.54			
10	64QAM	1	49	20.68	20.68	20.52	22	2	
10	64QAM	25	0	19.60	19.58	19.62			
10	64QAM	25	12	19.71	19.61	19.54			
10	64QAM	25	25	19.66	19.55	19.71			
10	256QAM	1	0	19.75	19.53	19.50	19	5	
10	256QAM	1	0	17.70	17.67	17.58			
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	19	5	
10	256QAM	25	12	17.75	17.59	17.59			
10	256QAM	25	25	17.68	17.72	17.63			
10	256QAM	50	0	17.63	17.56	17.70			
Channel				23755 23790 23825			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				708.5 710 713.5					
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	21.63			
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			
5	16QAM	12	13	20.47	20.45	20.50	22	2	
5	16QAM	25	0	20.47	20.51	20.51			
5	64QAM	1	0	20.53	20.54	20.51			
5	64QAM	1	12	20.46	20.47	20.49			
5	64QAM	1	24	20.52	20.51	20.47	22	2	
5	64QAM	12	0	19.53	19.49	19.56			
5	64QAM	12	7	19.54	19.53	19.42			
5	64QAM	12	13	19.53	19.54	19.62			
5	64QAM	25	0	19.55	19.48	19.44	19	5	
5	256QAM	1	0	17.53	17.66	17.40			
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	19	5	
5	256QAM	12	7	17.65	17.55	17.49			
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				26765 26765 26765			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5 831.5 841.5					
15	QPSK	1	0	22.48	22.49	22.44	24	0	
15	QPSK	1	37	22.31	22.45	22.32			
15	QPSK	1	74	22.46	22.41	22.44			
15	QPSK	36	0	21.55	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	22	2	
15	16QAM	1	37	21.49	21.39	21.47			
15	16QAM	1	74	21.51	21.39	21.48			
15	16QAM	36	0	20.59	20.51	20.59			
15	16QAM	36	20	20.55	20.53	20.30	22	2	
15	16QAM	36	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	22	2	
15	16QAM	1	37	20.47	20.53	20.43			
15	16QAM	1	74	20.52	20.50	20.43			
15	16QAM	36	0	20.52	20.50	20.41			
15	16QAM	36	0	19.50	19.42	19.60	21		
15	16QAM	36	20	19.64	19.60	19.38			
15	16QAM	36	39	19.67	19.58	19.54			
15	16QAM	75	0	19.57	19.58	19.54			
15	25QAM	1	0	17.48	17.58	17.41	19	5	
15	25QAM	1	37	17.52	17.63	17.63			
15	25QAM	1	74	17.44	17.56	17.50			
15	25QAM	36	0	17.50	17.60	17.61			
15	25QAM	36	0	17.55	17.59	17.55	19	5	
15	25QAM	36	20	17.41	17.62	17.51			
15	25QAM	75	0	17.47	17.39	17.50			
Channel				26760 26865 26950			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819 831.5 844			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819 831.5 844					
10	QPSK	1	0	22.38	22.38	22.44	24	0	
10	QPSK	1	25	22.21	22.33	22.21			
10	QPSK	1	25	22.21	22.33	22.21			
10	QPSK	25	0	21.37	21.45	21.36			
10	QPSK	25	12	21.35	21.46	21.32	23	1	
10	QPSK	25	25	21.37	21.36	21.34			
10	QPSK	50	0	21.41	21.37	21.41			
10	16QAM	1	0	21.43	21.34	21.31	23	1	
10	16QAM	1	25	21.43	21.34	21.31			
10	16QAM	1	49	21.33	21.36	21.35			
10	16QAM	25	0	20.53	20.45	20.33			
10	16QAM	25	12	20.44	20.41	20.32	22	2	
10	16QAM	25	25	20.37	20.48	20.47			
10	16QAM	50	0	20.35	20.39	20.43			
10	50QAM	1	0	20.41	20.38	20.47	22	2	
10	50QAM	1	25	20.47	20.32	20.40			
10	50QAM	1	49	20.53	20.42	20.38			
10	50QAM	25	0	19.46	19.36	19.38			
10	50QAM	25	12	19.45	19.39	19.34	21	3	
10	50QAM	25	25	19.46	19.36	19.41			
10	50QAM	50	0	19.47	19.42	19.41			
10	25QAM	1	0	17.40	17.52	17.37	19	5	
10	25QAM	1	25	17.43	17.39	17.52			
10	25QAM	1	49	17.40	17.38	17.35			
10	25QAM	8	0	17.46	17.41	17.55			
10	25QAM	25	12	17.50	17.41	17.32	19	5	
10	25QAM	25	25	17.43	17.48	17.46			
10	25QAM	50	0	17.47	17.28	17.44			
Channel				26715 26865 27015			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5 831.5 846.5			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5 831.5 846.5					
5	QPSK	1	0	22.35	22.40	22.60	24	0	
5	QPSK	1	12	22.42	22.42	22.40			
5	QPSK	1	24	22.36	22.42	22.40			
5	QPSK	12	0	21.41	21.50	21.53			
5	QPSK	12	7	21.45	21.36	21.31	23	1	
5	QPSK	12	13	21.44	21.41	21.39			
5	QPSK	25	0	21.42	21.48	21.48			
5	16QAM	1	0	21.41	21.34	21.22	23		
5	16QAM	1	12	21.32	21.34	21.41			
5	16QAM	1	24	21.38	21.39	21.39			
5	16QAM	12	0	20.44	20.51	20.31			
5	16QAM	12	7	20.53	20.45	20.39	22	2	
5	16QAM	12	13	20.39	20.34	20.41			
5	16QAM	25	0	20.39	20.35	20.41			
5	16QAM	1	0	20.41	20.39	20.56	22	2	
5	16QAM	1	12	20.47	20.45	20.43			
5	16QAM	1	24	20.50	20.37	20.32			
5	16QAM	12	0	19.46	19.42	19.35			
5	16QAM	12	7	19.46	19.42	19.25	21	3	
5	16QAM	12	13	19.45	19.46	19.25			
5	16QAM	25	0	19.56	19.42	19.39			
5	25QAM	1	0	17.49	17.49	17.37	19	5	
5	25QAM	1	12	17.52	17.40	17.47			
5	25QAM	1	24	17.53	17.42	17.34			
5	25QAM	12	0	17.42	17.43	17.40			
5	25QAM	12	7	17.42	17.52	17.46	19	5	
5	25QAM	12	13	17.44	17.53	17.47			
5	25QAM	25	0	17.46	17.40	17.38			
Channel				26875 26985 27135			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5 831.5 847.5			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5 831.5 847.5					
3	QPSK	1	0	22.34	22.43	22.28	24	0	
3	QPSK	1	8	22.29	22.33	22.36			
3	QPSK	1	14	22.36	22.23	22.37			
3	QPSK	8	0	21.34	21.46	21.40			
3	QPSK	8	7	21.38	21.43	21.27	23	1	
3	QPSK	8	7	21.38	21.43	21.27			
3	QPSK	15	0	21.41	21.59	21.33			
3	16QAM	1	0	21.43	21.43	21.21	22		
3	16QAM	1	8	21.38	21.33	21.42			
3	16QAM	1	14	21.42	21.35	21.43			
3	16QAM	8	0	20.43	20.39	20.38			
3	16QAM	8	7	20.41	20.38	20.27	22	2	
3	16QAM	15	0	20.40	20.45	20.42			
3	16QAM	1	0	20.47	20.43	20.46			
3	16QAM	1	8	20.42	20.32	20.42	22	2	
3	16QAM	1	14	20.44	20.42	20.38			
3	16QAM	8	0	19.37	19.41	19.34			
3	16QAM	8	4	19.54	19.47	19.50	21	3	
3	16QAM	8	7	19.44	19.49	19.49			
3	16QAM	15	0	19.54	19.33	19.38			
3	25QAM	1	0	17.49	17.49	17.31	19	5	
3	25QAM	1	8	17.35	17.45	17.37			
3	25QAM	1	14	17.38	17.38	17.37			
3	25QAM	8	4	17.43	17.51	17.52			
3	25QAM	8	4	17.43	17.51	17.52	19	5	
3	25QAM	8	7	17.47	17.47	17.45			
3	25QAM	15	0	17.37	17.36	17.42			
Channel				26867 26865 27033			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7 831.5 848.3			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7 831.5 848.3					
1.4	QPSK	1	0	22.32	22.39	22.41	24	0	
1.4	QPSK	1	3	22.09	22.28	22.08			
1.4	QPSK	1	5	22.29	22.07	22.02			
1.4	QPSK	3	0	22.38	22.22	22.32			
1.4	QPSK	3	1	22.29	22.23	22.21	23	1	
1.4	QPSK	3	3	22.29	22.33	22.34			
1.4	QPSK	6	0	21.26	21.35	21.29			
1.4	16QAM	1	0	21.33	21.32	21.20	23		
1.4	16QAM	1	3	21.15	21.25	21.38			
1.4	16QAM	1	5	21.25	21.27	21.24			
1.4	16QAM	3	0	21.21	21.41	21.17			
1.4	16QAM	3	1	21.35	21.33	21.29	22	2	
1.4	16QAM	3	3	21.27	21.39	21.32			
1.4	16QAM	6	0	20.33	20.33	20.22			
1.4	16QAM	6	0	20.38	20.30	20.46	22	2	
1.4	16QAM	1	5	20.33	20.29	20.26			
1.4	16QAM	3	0	20.25	20.37	20.18			
1.4	8QAM	3	1	20.31	20.38	20.25	21	3	
1.4	8QAM	3	3	20.29	20.34	20.27			
1.4	8QAM	6	0	19.26	19.28	19.29			
1.4	25QAM	1	0	17.37	17.31	17.15	19	5	
1.4	25QAM	1	3	17.26	17.36	17.37			
1.4	25QAM	1	5	17.40	17.38	17.37			
1.4	25QAM	3	0	17.44	17.25	17.50			
1.4	25QAM	3	1	17.38	17.37	17.22	19	5	
1.4	25QAM	3	3	17.25	17.47	17.35			
1.4	25QAM	6	0	17.18	17.37	17.40			

Band 38 Ant 0 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	APR (dB)	
Channel										
Frequency (MHz)				37650	38000	38150				
20	QPSK	1	0	2249	2246	2246				
20	QPSK	1	99	2233	2235	2233	24	0		
20	QPSK	1	99	2250	2242	2251				
20	QPSK	50	0	2153	2167	2161				
20	QPSK	50	24	2148	2149	2144				
20	QPSK	50	24	2145	2158	2156	23	1		
20	QPSK	100	0	2150	2161	2145				
20	16QAM	1	0	2145	2150	2147				
20	16QAM	1	48	2145	2146	2153				
20	16QAM	1	99	2152	2154	2145	23	1		
20	16QAM	50	0	2053	2060	2052				
20	16QAM	50	24	2061	2063	2041				
20	16QAM	50	50	2038	2044	2059	22	2		
20	16QAM	100	0	2056	2060	2047				
20	8QAM	1	0	2030	2050	2057				
20	8QAM	1	48	2050	2051	2052	22	2		
20	8QAM	1	99	2053	2043	2053				
20	8QAM	50	0	1947	1946	1948				
20	8QAM	50	24	1946	1943	1948				
20	8QAM	50	24	1948	1953	1948	21	3		
20	8QAM	100	0	1958	1946	1941				
20	256QAM	1	0	1751	1766	1747				
20	256QAM	1	48	1756	1754	1755				
20	256QAM	1	99	1742	1758	1746	19	5		
20	256QAM	50	0	1748	1749	1754				
20	256QAM	50	24	1760	1763	1740	19	5		
20	256QAM	50	50	1749	1765	1746				
20	256QAM	100	0	1742	1751	1748				
Channel										
Frequency (MHz)				2577.5	2598	2612.5	Time-up limit (dBm)	APR (dB)		
15	QPSK	1	0	2243	2240	2240				
15	QPSK	1	37	2222	2244	2234	24	0		
15	QPSK	1	37	2239	2240	2234				
15	QPSK	36	0	2139	2141	2154				
15	QPSK	36	20	2149	2143	2133	23	1		
15	QPSK	36	39	2133	2135	2143				
15	QPSK	75	0	2142	2140	2146				
15	16QAM	1	0	2138	2150	2122				
15	16QAM	1	37	2135	2130	2143	23	1		
15	16QAM	1	74	2138	2134	2140				
15	16QAM	36	0	2052	2045	2037				
15	16QAM	36	20	2046	2049	2046	22	2		
15	16QAM	36	39	2038	2036	2047				
15	16QAM	75	0	2047	2038	2048				
15	8QAM	1	0	2047	2048	2045				
15	8QAM	1	37	2039	2036	2038	22	2		
15	8QAM	1	74	2048	2036	2035				
15	8QAM	36	0	1941	1940	1954				
15	8QAM	36	20	1947	1947	1928	21	3		
15	8QAM	36	39	1944	1945	1943				
15	8QAM	75	0	1946	1940	1940				
15	256QAM	1	0	1744	1756	1729				
15	256QAM	1	37	1745	1754	1743	19	5		
15	256QAM	1	74	1738	1739	1745				
15	256QAM	36	0	1740	1743	1742				
15	256QAM	36	20	1748	1753	1736	19	5		
15	256QAM	36	39	1748	1756	1734				
15	256QAM	75	0	1736	1728	1733				
Channel										
Frequency (MHz)				3760	38000	38200	Time-up limit (dBm)	APR (dB)		
10	QPSK	1	0	2234	2244	2236				
10	QPSK	1	25	2231	2245	2232	24	0		
10	QPSK	1	49	2242	2232	2230				
10	QPSK	25	0	2143	2154	2150				
10	QPSK	25	21	2143	2138	2138	23	1		
10	QPSK	25	25	2132	2129	2137				
10	QPSK	50	0	2142	2149	2137				
10	16QAM	1	0	2131	2152	2142				
10	16QAM	1	25	2142	2138	2142	23	1		
10	16QAM	1	48	2148	2144	2134				
10	16QAM	25	0	2053	2042	2041				
10	16QAM	25	12	2041	2043	2032	22	2		
10	16QAM	25	25	2038	2044	2050				
10	16QAM	50	0	2041	2046	2045				
10	8QAM	1	0	2041	2047	2056				
10	8QAM	1	25	2048	2044	2043	22	2		
10	8QAM	1	48	2047	2036	2029	23	1		
10	8QAM	25	0	1940	1941	1952				
10	8QAM	25	12	1942	1952	1928				
10	8QAM	25	25	1947	1939	1947	21	3		
10	8QAM	50	0	1948	1933	1931				
10	256QAM	1	0	1748	1745	1740				
10	256QAM	1	25	1745	1750	1735	19	5		
10	256QAM	1	49	1739	1739	1747				
10	256QAM	25	0	1750	1737	1746				
10	256QAM	25	12	1751	1754	1736	19	5		
10	256QAM	25	25	1737	1750	1738				
10	256QAM	50	0	1737	1731	1743				
Channel										
Frequency (MHz)				3777.5	38000	38225	Time-up limit (dBm)	APR (dB)		
5	QPSK	1	0	2249	2246	2245				
5	QPSK	1	12	2221	2231	2223	24	0		
5	QPSK	1	24	2235	2226	2230				
5	QPSK	12	0	2137	2149	2147				
5	QPSK	12	7	2145	2152	2147				
5	QPSK	12	13	2134	2138	2146	23	1		
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	2041	2046	2046				
5	16QAM	12	7	2041	2048	2038	22	2		
5	16QAM	12	13	2041	2046	2053				
5	16QAM	25	0	2042	2039	2048				
5	8QAM	1	0	2037	2036	2040				
5	8QAM	1	12	2032	2043	2045	22	2		
5	8QAM	1	24	2049	2032	2039				
5	8QAM	12	0	1941	1937	1949				
5	8QAM	12	7	1949	1943	1925	21	3		
5	8QAM	12	13	1940	1942	1937				
5	8QAM	25	0	1954	1943	1932				
5	256QAM	1	0	1743	1744	1747				
5	256QAM	1	12	1745	1747	1754	19	5		
5	256QAM	1	24	1745	1740	1734				
5	256QAM	12	0	1737	1736	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 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Time-up limit (dBm)	APR (dB)	
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	2206	2247	2253	2246	2245	24	0
20	QPSK	1	48	2238	2235	2247	2237	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	23	1
20	QPSK	50	50	2143	2153	2146	2150	2153		
20	QPSK	100	0	2149	2158	2160	2154	2155		
20	16QAM	1	0	2147	2141	2160	2131	2156		
20	16QAM	1	48	2150	2150	2137	2157	2153	23	1
20	16QAM	1	99	2143	2144	2146	2148	2144		
20	16QAM	50	0	2054	2055	2080	2044	2059		
20	16QAM	50	24	2065	2054	2064	2051	2058		
20	16QAM	50	50	2042	2049	2048	2048	2048	22	2
20	16QAM	100	0	2045	2054	2059	2057	2045		
20	8QAM	1	0	2047	2046	2057	2062	2055		
20	8QAM	1	48	2043	2054	2054	2041	2044	22	2
20	8QAM	1	99	2047	2060	2053	2039	2054		
20	8QAM	50	0	1945	1947	1951	1958	1942		
20	8QAM	50	24	1951	1960	1952	1939	1955	21	3
20	8QAM	50	24	1954	1952	1950	1981	1960		
20	8QAM	100	0	1957	1954	1952	1948	1956		
20	256QAM	1	0	1750	1747	1761	1750	1752		
20	256QAM	1	48	1748	1753	1749	1752	1755	19	5
20	256QAM	1	99	1750	1752	1742	1749	1751		
20	256QAM	50	0	1750	1756	1748	1750	1752		
20	256QAM	50	24	1759	1764	1763	1751	1750	19	5
20	256QAM	50	50	1743	1742	1766	1745	1746		
20	256QAM	100	0	1755	1744	1744	1763	1756		
Frequency (MHz)				2550.5	2548.3	2593	2583.8	2625.2		
15	QPSK	1	0	2242	2245	2245	2236	2234	24	0
15	QPSK	1	37	2219	2230	2232	2233	2226		
15	QPSK	1	74	2242	2241	2227	2240	2238		
15	QPSK	36	21	2145	2145	2141	2147	2147	23	1
15	QPSK	36	39	2135	2147	2142	2131	2133		
15	QPSK	75	0	2152	2145	2137	2137	2140		
15	16QAM	1	0	2145	2145	2146	2141	2147	23	1
15	16QAM	1	37	2137	2140	2137	2141	2140		
15	16QAM	1	74	2141	2148	2134	2131	2142		
15	16QAM	36	0	2054	2045	2052	2041	2053		
15	16QAM	36	39	2036	2046	2046	2036	2048	22	2
15	16QAM	36	39	2033	2041	2040	2050	2028		
15	16QAM	75	0	2042	2043	2041	2042	2032		
15	8QAM	1	0	2037	2048	2043	2045	2039		
15	8QAM	1	37	2037	2038	2041	2043	2033	22	2
15	8QAM	1	74	2047	2037	2040	2040	2042		
15	8QAM	36	0	1939	1934	1939	1941	1937		
15	8QAM	36	20	1944	1954	1944	1928	1953	21	3
15	8QAM	36	39	1953	1939	1943	1939	1941		
15	8QAM	75	0	1946	1945	1945	1946	1946		
15	256QAM	1	0	1746	1744	1754	1726	1749		
15	256QAM	1	37	1739	1740	1749	1753	1743		
15	256QAM	1	74	1741	1739	1737	1744	1742		
15	256QAM	36	0	1738	1741	1741	1749	1742		
15	256QAM	36	20	1757	1755	1737	1741	1751	19	5
15	256QAM	36	39	1735	1736	1746	1744	1742		
15	256QAM	75	0	1737	1738	1733	1746	1739		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2267	2263	2268	2263	2262		
10	QPSK	1	0	2247	2248	2245	2237	2240	24	0
10	QPSK	1	25	2228	2234	2239	2219	2223		
10	QPSK	1	48	2239	2237	2232	2232	2234		
10	QPSK	1	75	2241	2241	2235	2241	2240		
10	QPSK	25	12	2141	2138	2141	2136	2138	21	3
10	QPSK	25	25	2135	2138	2142	2145	2145		
10	QPSK	50	0	2150	2140	2149	2135	2150		
10	16QAM	1	0	2141	2134	2146	2138	2146		
10	16QAM	1	25	2142	2142	2135	2142	2144	23	1
10	16QAM	1	48	2143	2145	2135	2145	2148		
10	16QAM	25	0	2046	2044	2046	2042	2053		
10	16QAM	25	12	2051	2047	2050	2034	2045	22	2
10	16QAM	25	25	2036	2045	2045	2036	2048		
10	16QAM	50	0	2047	2043	2050	2038	2035		
10	8QAM	1	0	2042	2047	2044	2052	2041		
10	8QAM	1	25	2040	2043	2038	2043	2047	22	2
10	8QAM	1	48	2040	2043	2038	2043	2046		
10	8QAM	25	0	1947	1933	1939	1940	1944		
10	8QAM	25	12	1955	1942	1949	1929	1942		
10	8QAM	25	25	1949	1948	1948	1941	1940		
10	8QAM	50	0	1948	1953	1938	1940	1941		
10	256QAM	1	0	1747	1748	1745	1750	1739		
10	256QAM	1	25	1737	1745	1748	1753	1747	19	5
10	256QAM	1	48	1735	1732	1744	1735	1747		
10	256QAM	25	0	1743	1748	1732	1749	1753		
10	256QAM	25	12	1745	1747	1735	1745	1748		
10	256QAM	25	25	1740	1740	1752	1743	1742	19	5
10	256QAM	50	0	1740	1744	1737	1747	1745		
Channel				39875	40176	40620	41093	41565		
Frequency (MHz)				2236	2233	2238	2238	2242		
5	QPSK	12	0	2236	2235	2239	2236	2242	24	0
5	QPSK	1	22	2230	2224	2234	2232	2236		
5	QPSK	1	24	2230	2233	2222	2231	2236		
5	QPSK	12	0	2136	2135	2145	2143	2146		
5	QPSK	12	12	2142	2142	2136	2143	2147		
5	QPSK	12	13	2146	2132	2136	2143	2137		
5	QPSK	25	0	2138	2145	2137	2148	2147		
5	16QAM	1	0	2132	2145	2145	2145	2143		
5	16QAM	1	12	2138	2143	2139	2143	2148	23	1
5	16QAM	1	24	2132	2147	2137	2138	2142		
5	16QAM	12	0	2050	2051	2039	2042	2042		
5	16QAM	12	7	2050	2048	2047	2040	2042	22	2
5	16QAM	12	13	2033	2027	2046	2051	2039		
5	16QAM	25	0	2033	2045	2045	2035	2048		
5	8QAM	1	0	2045	2037	2047	2042	2051		
5	8QAM	1	12	2033	2041	2043	2037	2037	22	2
5	8QAM	1	24	2051	2046	2038	2037	2048		
5	8QAM	12	0	1945	1945	1946	1936	1942		
5	8QAM	12	7	1944	1949	1946	1929	1953	21	3
5	8QAM	25	0	1952	1955	1936	1940	1951		
5	256QAM	1	0	1736	1739	1736	1743	1738		
5	256QAM	1	12	1747	1740	1747	1748	1743	19	5
5	256QAM	1	24	1745	1745	1735	1739	1735		
5	256QAM	12	0	1749	1750	1740	1742	1751		
5	256QAM	12	7	1740	1742	1752	1745	1743	19	5
5	256QAM	25	0	1747	1757	1732	1749	1736		

GSM850 Ant 1 DS14									
GSM850 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		126	189	251	Limit		126	189	251
Frequency (MHz)		144.2	148.4	148.8	(dBm)		144.2	148.4	148.8
GSM 1 Tx slot		31.88	32.75	32.98	33.50		22.88	23.75	23.98
GPRS 1 Tx slot		31.96	32.65	32.96	33.50		22.96	23.65	23.96
GPRS 2 Tx slots		29.67	30.56	30.50	31.50		23.67	24.56	24.50
GPRS 3 Tx slots		28.12	28.97	28.88	30.00		23.86	24.71	24.62
GPRS 4 Tx slots		25.52	27.16	27.47	27.50		22.52	24.16	24.47
EDGE 1 Tx slot		25.81	26.52	26.54	27.00		16.81	17.52	17.54
EDGE 2 Tx slots		24.47	25.27	25.32	26.00		16.47	19.27	19.32
EDGE 3 Tx slots		22.91	23.84	23.76	24.50		16.65	19.98	20.24
EDGE 4 Tx slots		21.23	22.16	22.18	23.00		18.23	19.16	19.18
GSM1900 Ant 1 DS14									
GSM1900 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1850.2	1866	1869.8	(dBm)		1850.2	1866	1869.8
GSM 1 Tx slot		27.21	28.24	28.26	29.00		18.21	19.24	19.26
GPRS 1 Tx slot		27.33	28.24	28.36	29.00		18.33	19.24	19.36
GPRS 2 Tx slots		24.54	25.85	25.75	26.50		18.54	19.85	19.75
GPRS 3 Tx slots		23.14	24.26	24.16	25.00		18.86	20.00	19.90
GPRS 4 Tx slots		21.53	22.45	22.77	23.50		18.53	19.45	19.77
EDGE 1 Tx slot		22.55	23.78	23.77	24.50		13.55	14.77	14.78
EDGE 2 Tx slots		21.68	22.85	22.78	23.50		15.68	16.85	16.78
EDGE 3 Tx slots		20.05	21.05	21.14	22.00		15.79	16.79	16.88
EDGE 4 Tx slots		18.49	19.53	19.55	20.00		15.49	16.53	16.55
WCDMA II Ant 1 DS14									
WCDMA II Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		9262	9400	9538	Limit		4132	4183	4233
Rx Channel		9602	9800	9938	(dBm)		4397	4487	4598
Frequency (MHz)		1852.4	1860	1867.6	(dBm)		1712.4	1752.6	1752.6
3GPP Rel 99 AMR 12.2Kbps		20.45	20.59	20.58	21.50		20.46	20.64	20.57
3GPP Rel 99 RMC 12.2Kbps		20.56	20.61	20.58	21.50		20.68	20.77	20.74
3GPP Rel 6 HSDPA Subtest 1		19.65	19.61	19.70	20.50		19.50	19.63	19.67
3GPP Rel 6 HSDPA Subtest 2		19.59	19.59	19.64	20.50		19.59	19.71	19.60
3GPP Rel 6 HSDPA Subtest 3		19.01	19.14	19.15	20.00		19.13	19.14	19.01
3GPP Rel 6 HSDPA Subtest 4		18.98	19.22	19.14	20.00		18.96	19.16	19.18
3GPP Rel 6 DC-HSDPA Subtest 1		19.56	19.62	19.64	20.50		19.57	19.63	20.50
3GPP Rel 6 DC-HSDPA Subtest 2		19.68	19.75	19.49	20.50		19.64	19.63	20.50
3GPP Rel 6 DC-HSDPA Subtest 3		19.08	19.04	19.07	20.00		19.03	19.16	19.03
3GPP Rel 6 DC-HSDPA Subtest 4		19.01	19.15	19.05	20.00		19.01	19.06	19.11
3GPP Rel 6 HSUPA Subtest 1		19.65	19.59	19.68	20.50		19.57	19.62	19.64
3GPP Rel 6 HSUPA Subtest 2		17.49	17.67	17.71	18.50		17.46	17.61	17.64
3GPP Rel 6 HSUPA Subtest 3		16.51	16.61	16.64	18.50		16.64	16.76	19.50
3GPP Rel 6 HSUPA Subtest 4		17.57	17.62	17.60	18.50		17.57	17.60	18.50
3GPP Rel 6 HSUPA Subtest 5		19.51	19.62	19.67	20.50		19.43	19.60	19.60

WCDMA V Ant 1 DS14									
WCDMA V Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		4132	4182	4233	Limit		4132	4182	4233
Rx Channel		4397	4487	4598	(dBm)		4397	4487	4598
Frequency (MHz)		806.4	836.4	846.6	(dBm)		806.4	836.4	846.6
3GPP Rel 99 AMR 12.2Kbps		20.45	20.59	20.58	21.50		20.46	20.64	20.57
3GPP Rel 99 RMC 12.2Kbps		20.56	20.61	20.58	21.50		20.68	20.77	20.74
3GPP Rel 6 HSDPA Subtest 1		19.65	19.61	19.70	20.50		19.50	19.63	19.67
3GPP Rel 6 HSDPA Subtest 2		19.59	19.59	19.64	20.50		19.59	19.71	19.60
3GPP Rel 6 HSDPA Subtest 3		19.01	19.14	19.15	20.00		19.13	19.14	19.01
3GPP Rel 6 HSDPA Subtest 4		18.98	19.22	19.14	20.00		18.96	19.16	19.18
3GPP Rel 6 DC-HSDPA Subtest 1		19.56	19.62	19.64	20.50		19.57	19.63	20.50
3GPP Rel 6 DC-HSDPA Subtest 2		19.68	19.75	19.49	20.50		19.64	19.63	20.50
3GPP Rel 6 DC-HSDPA Subtest 3		19.08	19.04	19.07	20.00		19.03	19.16	19.03
3GPP Rel 6 DC-HSDPA Subtest 4		19.01	19.15	19.05	20.00		19.01	19.06	19.11
3GPP Rel 6 HSUPA Subtest 1		19.65	19.59	19.68	20.50		19.57	19.62	19.64
3GPP Rel 6 HSUPA Subtest 2		17.49	17.67	17.71	18.50		17.46	17.61	17.64
3GPP Rel 6 HSUPA Subtest 3		16.51	16.61	16.64	18.50		16.64	16.76	19.50
3GPP Rel 6 HSUPA Subtest 4		17.57	17.62	17.60	18.50		17.57	17.60	18.50
3GPP Rel 6 HSUPA Subtest 5		19.51	19.62	19.67	20.50		19.43	19.60	19.60



Band 2 Ant 1 DS14														
BW (MHz)	Modulat ion	RB Size (MHz)	RB Offset	Power Max Ch./Freq.	Power Min Ch./Freq.	Power High Ch./Freq.	Turn-on Time (sec)	APR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.40	22.54	22.43	24	0						
20	QPSK	1	48	22.40	22.52	22.50								
20	QPSK	1	96	22.50	22.36	22.46	23	1						
20	QPSK	50	0	21.40	21.62	21.57								
20	QPSK	50	24	21.47	21.60	21.41	23	1						
20	16QAM	1	48	21.45	21.53	21.50								
20	16QAM	1	96	21.54	21.43	21.52	23	1						
20	16QAM	50	0	20.93	20.99	20.96								
20	16QAM	50	24	20.47	20.55	20.42	22	2						
20	16QAM	50	50	20.40	20.48	20.50								
20	16QAM	100	0	20.57	20.50	20.54	22	2						
20	16QAM	1	0	20.54	20.45	20.47								
20	16QAM	1	48	20.47	20.52	20.42	21	3						
20	16QAM	1	96	20.46	20.54	20.46								
20	16QAM	50	0	19.97	19.90	19.93	19	5						
20	16QAM	50	24	19.97	19.95	19.93								
20	256QAM	1	0	17.54	17.65	17.42	19	5						
20	256QAM	1	48	17.54	17.58	17.65								
20	256QAM	1	96	17.45	17.49	17.65	19	5						
20	256QAM	1	144	17.45	17.50	17.67								
20	256QAM	50	24	17.61	17.50	17.57	19	5						
20	256QAM	50	50	17.50	17.56	17.47								
20	256QAM	100	0	17.60	17.52	17.43								
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.46	22.49	22.42	24	0						
16	QPSK	1	37	22.31	22.34	22.27								
16	QPSK	1	74	22.42	22.24	22.31	23	1						
16	QPSK	36	0	21.44	21.47	21.43								
16	QPSK	36	20	21.35	21.40	21.43	23	1						
16	QPSK	36	36	21.37	21.34	21.42								
16	QPSK	75	0	21.39	21.41	21.39	23	1						
16	QPSK	75	0	21.40	21.40	21.39								
16	16QAM	1	37	21.44	21.38	21.46	23	1						
16	16QAM	1	74	21.44	21.38	21.46								
16	16QAM	36	0	20.46	20.53	20.28	22	2						
16	16QAM	36	20	20.46	20.46	20.38								
16	16QAM	36	36	20.46	20.39	20.50	21	3						
16	16QAM	75	0	20.37	20.42	20.42								
16	16QAM	75	0	20.33	20.30	20.26	22	2						
16	16QAM	1	17	20.43	20.36	20.36								
16	16QAM	1	74	20.24	20.20	20.27	21	3						
16	16QAM	36	0	19.33	19.32	19.38								
16	16QAM	36	20	19.43	19.43	19.37	19	5						
16	16QAM	36	36	19.40	19.25	19.51								
16	256QAM	1	0	17.53	17.49	17.41	19	5						
16	256QAM	1	37	17.38	17.39	17.49								
16	256QAM	1	74	17.38	17.39	17.49	19	5						
16	256QAM	36	0	17.41	17.38	17.41								
16	256QAM	36	20	17.54	17.44	17.34	19	5						
16	256QAM	36	36	17.44	17.59	17.46								
16	256QAM	75	0	17.45	17.38	17.45	19	5						
Channel														
Frequency (MHz)														
Channel														
10	QPSK	1	0	22.30	22.42	22.37	24	0						
10	QPSK	1	25	22.19	22.35	22.26								
10	QPSK	1	48	22.33	22.20	22.34	23	1						
10	QPSK	50	0	21.36	21.50	21.52								
10	QPSK	25	12	21.40	21.51	21.45	23	1						
10	QPSK	25	12	21.38	21.45	21.34								
10	QPSK	100	0	21.33	21.44	21.21	23	1						
10	16QAM	1	0	21.33	21.44	21.21								
10	16QAM	1	25	21.40	21.36	21.35	23	1						
10	16QAM	1	48	21.36	21.41	21.35								
10	16QAM	25	0	20.51	20.46	20.26	22	2						
10	16QAM	25	12	20.41	20.45	20.40								
10	16QAM	25	12	20.38	20.35	20.48	21	3						
10	16QAM	50	0	20.41	20.41	20.35								
10	16QAM	1	0	20.39	20.39	20.44	22	2						
10	16QAM	1	25	20.41	20.36	20.32								
10	16QAM	1	48	20.40	20.46	20.32	21	3						
10	16QAM	25	0	19.42	19.38	19.40								
10	16QAM	25	12	19.33	19.32	19.38	19	5						
10	16QAM	25	12	19.33	19.39	19.46								
10	16QAM	50	0	19.34	19.29	19.32	19	5						
10	256QAM	1	0	17.44	17.32	17.42								
10	256QAM	1	25	17.32	17.41	17.48	19	5						
10	256QAM	1	48	17.36	17.37	17.47								
10	256QAM	25	0	17.44	17.32	17.42	19	5						
10	256QAM	25	12	17.32	17.33	17.32								
10	256QAM	25	12	17.45	17.38	17.40	19	5						
10	256QAM	25	12	17.45	17.38	17.40								
10	256QAM	50	0	17.45	17.32	17.50								
Channel														
Frequency (MHz)														
8	QPSK	1	0	22.30	22.45	22.45	24	0						
8	QPSK	1	12	22.22	22.33	22.30								
8	QPSK	1	24	22.36	22.24	22.26	23	1						
8	QPSK	12	0	21.34	21.44	21.34								
8	QPSK	12	7	21.36	21.41	21.38	23	1						
8	QPSK	12	14	21.38	21.41	21.38								
8	QPSK	12	19	21.45	21.36	21.43	23	1						
8	QPSK	12	24	21.38	21.48	21.41								
8	16QAM	1	0	21.31	21.46	21.35	23	1						
8	16QAM	1	12	21.36	21.27	21.31								
8	16QAM	1	24	21.37	21.32	21.38	23	1						
8	16QAM	12	0	20.46	20.50	20.26								
8	16QAM	12	7	20.47	20.59	20.38	22	2						
8	16QAM	12	14	20.39	20.48	20.42								
8	16QAM	25	0	20.34	20.39	20.41	22	2						
8	16QAM	25	12	20.35	20.38	20.33								
8	16QAM	1	24	20.40	20.40	20.28	21	3						
8	16QAM	12	0	19.40	19.33	19.48								
8	16QAM	12	7	19.34	19.34	19.40	19	5						
8	16QAM	12	13	19.30	19.29	19.53								
8	16QAM	25	0	19.30	19.32	19.33	19	5						
8	16QAM	25	12	19.31	19.43	19.39								
8	256QAM	1	0	17.40	17.48	17.48	19	5						
8	256QAM	1	24	17.35	17.39	17.43								
8	256QAM	1	48	17.44	17.44	17.44	19	5						
8	256QAM	12	0	17.45	17.32	17.50								
8	256QAM	12	7	17.45	17.50	17.51	19	5						
8	256QAM	12	13	17.45	17.48	17.55								

Band 12 Ant 1 DSI4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.45	22.50	22.48			24	0		
10	QPSK	1	25	22.31	22.42	22.48						
10	QPSK	1	49	22.42	22.31	22.49			23	1		
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	16QAM	1	0	21.35	21.52	21.23			23	1		
10	16QAM	1	25	21.38	21.45	21.39						
10	16QAM	1	49	21.47	21.43	21.46			22	2		
10	16QAM	25	0	20.59	20.39	20.30						
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	20.56			22	2		
10	16QAM	50	25	20.42	20.55	20.56						
10	64QAM	1	25	20.36	20.42	20.36			22	2		
10	64QAM	1	49	20.49	20.45	20.45						
10	64QAM	25	0	19.41	19.43	19.54			21	3		
10	64QAM	25	12	19.56	19.42	19.51						
10	64QAM	25	25	19.50	19.35	19.52			19	5		
10	256QAM	1	0	17.62	17.53	17.38						
10	256QAM	1	25	17.43	17.55	17.51			19	5		
10	256QAM	1	49	17.45	17.37	17.44						
10	256QAM	25	0	17.42	17.35	17.54			19	5		
10	256QAM	25	12	17.51	17.55	17.52						
10	256QAM	25	25	17.38	17.57	17.49			19	5		
10	256QAM	50	0	17.40	17.43	17.49						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.42	22.41	22.27			24	0		
5	QPSK	1	12	22.30	22.47	22.43						
5	QPSK	1	24	22.41	22.20	22.37			23	1		
5	QPSK	12	0	21.38	21.58	21.45						
5	QPSK	12	7	21.41	21.52	21.35			23	1		
5	QPSK	12	13	21.41	21.40	21.32						
5	16QAM	25	0	21.48	21.52	21.50			23	1		
5	16QAM	1	0	21.31	21.48	21.34						
5	16QAM	1	12	21.30	21.37	21.42			22	2		
5	16QAM	1	24	21.39	21.41	21.50						
5	16QAM	12	0	20.51	20.31	20.30			22	2		
5	16QAM	12	7	20.33	20.40	20.31						
5	16QAM	12	13	20.38	20.41	20.54			21	3		
5	16QAM	25	0	20.42	20.57	20.46						
5	64QAM	1	0	20.38	20.39	20.30			22	2		
5	64QAM	1	12	20.48	20.48	20.35						
5	64QAM	1	24	20.45	20.47	20.30			21	3		
5	64QAM	12	0	19.42	19.44	19.49						
5	64QAM	12	7	19.43	19.35	19.52			19	5		
5	64QAM	12	13	19.43	19.38	19.57						
5	64QAM	25	0	19.48	19.35	19.25			19	5		
5	256QAM	1	0	17.51	17.61	17.52						
5	256QAM	1	12	17.39	17.46	17.55			19	5		
5	256QAM	1	24	17.34	17.33	17.37						
5	256QAM	12	0	17.38	17.38	17.53			19	5		
5	256QAM	12	7	17.46	17.37	17.41						
5	256QAM	12	13	17.35	17.41	17.39			19	5		
5	256QAM	25	0	17.41	17.33	17.41						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.45	22.45	22.37			24	0		
3	QPSK	1	8	22.28	22.38	22.43						
3	QPSK	1	14	22.46	22.31	22.31			23	1		
3	QPSK	8	0	21.41	21.56	21.42						
3	QPSK	8	4	21.39	21.51	21.34			23	1		
3	QPSK	8	7	21.49	21.35	21.48						
3	16QAM	1	0	21.47	21.31	21.41			23	1		
3	16QAM	1	0	21.29	21.38	21.30						
3	16QAM	1	8	21.34	21.44	21.41			22	2		
3	16QAM	1	14	21.37	21.45	21.51						
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			21	3		
3	16QAM	16	0	20.41	20.46	20.42						
3	64QAM	1	0	20.42	20.42	20.43			22	2		
3	64QAM	1	8	20.33	20.48	20.30						
3	64QAM	1	14	20.45	20.50	20.34			22	2		
3	64QAM	8	0	19.43	19.44	19.35						
3	64QAM	8	4	19.50	19.38	19.35			21	3		
3	64QAM	8	7	19.49	19.51	19.49						
3	64QAM	16	0	19.54	19.40	19.20			19	5		
3	256QAM	1	0	17.53	17.48	17.34						
3	256QAM	1	8	17.39	17.51	17.46			19	5		
3	256QAM	1	14	17.34	17.34	17.45						
3	256QAM	8	0	17.29	17.41	17.44			19	5		
3	256QAM	8	4	17.52	17.47	17.52						
3	256QAM	8	7	17.48	17.51	17.38			19	5		
3	256QAM	16	0	17.41	17.30	17.45						
Channel												
Frequency (MHz)												
14	QPSK	1	0	22.47	22.35	22.43			24	0		
14	QPSK	1	3	22.26	22.35	22.14						
14	QPSK	1	5	22.42	22.29	22.39			23	1		
14	QPSK	3	0	22.27	22.34	22.44						
14	QPSK	3	1	22.41	22.33	22.32			23	1		
14	QPSK	3	3	22.47	22.37	22.43						
14	QPSK	6	0	21.35	21.35	21.37			23	1		
14	16QAM	1	0	21.42	21.46	21.23						
14	16QAM	1	3	21.39	21.31	21.27			23	1		
14	16QAM	1	5	21.27	21.38	21.38						
14	16QAM	3	0	21.31	21.48	21.29			22	2		
14	16QAM	3	1	21.45	21.47	21.28						
14	16QAM	3	3	21.38	21.46	21.41			22	2		
14	16QAM	6	0	20.33	20.40	20.37						
14	64QAM	1	0	20.55	20.43	20.50			22	2		
14	64QAM	1	3	20.37	20.38	20.38						
14	64QAM	1	5	20.41	20.40	20.39			21	3		
14	64QAM	3	0	20.40	20.37	20.40						
14	64QAM	3	1	20.38	20.36	20.32			19	5		
14	64QAM	6	0	19.36	19.33	19.34						
14	256QAM	1	0	17.40	17.51	17.36			19	5		
14	256QAM	1	3	17.42	17.51	17.52						
14	256QAM	1	5	17.53	17.44	17.40			19	5		
14	256QAM	3	0	17.54	17.45	17.51						
14	256QAM	3	1	17.50	17.45	17.25			19	5		
14	256QAM	3	3	17.45	17.57	17.25						
14	256QAM	6	0	17.50	17.36	17.55			19	5		
14	256QAM	6	3	17.45	17.36	17.55						

Band 13 Ant 1 DS4 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tuneup (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.45	22.45	24	0		
10	QPSK	1	25	22.45	22.45	22.45				
10	QPSK	1	49	22.30	22.30	22.30	23			
10	QPSK	1	12	21.48	21.48	21.48				
10	QPSK	1	50	21.51	21.51	21.51	23	1		
10	QPSK	1	0	21.47	21.47	21.47				
10	QPSK	1	49	21.39	21.39	21.39	23	1		
10	QPSK	1	25	20.38	20.38	20.38				
10	QPSK	1	50	20.61	20.61	20.61	22	2		
10	QPSK	1	0	20.58	20.58	20.58				
10	QPSK	1	25	20.46	20.46	20.46	22	2		
10	QPSK	1	49	20.41	20.41	20.41				
10	QPSK	1	12	19.38	19.38	19.38	21	3		
10	QPSK	1	25	19.38	19.38	19.38				
10	QPSK	1	50	18.45	18.45	18.45	19	5		
10	QPSK	1	0	17.54	17.54	17.54				
10	QPSK	1	25	17.48	17.48	17.48	19	5		
10	QPSK	1	49	17.43	17.43	17.43				
10	QPSK	1	25	17.38	17.38	17.38	19	5		
10	QPSK	1	12	17.45	17.45	17.45				
10	QPSK	1	50	17.38	17.38	17.38	19	5		
10	QPSK	1	0	17.47	17.47	17.47				
Frequency (MHz)										
5	QPSK	1	0	22.43	22.43	22.43	24	0		
5	QPSK	1	12	22.28	22.44	22.38				
5	QPSK	1	25	22.17	22.34	22.31	23	1		
5	QPSK	1	12	21.33	21.54	21.42				
5	QPSK	1	27	21.38	21.44	21.38	23	1		
5	QPSK	1	12	21.38	21.51	21.51				
5	QPSK	1	0	21.51	21.40	21.50	23	1		
5	QPSK	1	6	21.22	21.47	21.31				
5	QPSK	1	24	21.31	21.37	21.43	23	1		
5	QPSK	1	24	21.34	21.34	21.42				
5	QPSK	1	12	20.44	20.30	20.23	22	2		
5	QPSK	1	25	20.30	20.40	20.48				
5	QPSK	1	12	20.32	20.41	20.48	22	2		
5	QPSK	1	25	20.35	20.52	20.38				
5	QPSK	1	12	20.30	20.33	20.32	22	2		
5	QPSK	1	12	20.29	20.43	20.52				
5	QPSK	1	24	20.39	20.42	20.24	21	3		
5	QPSK	1	12	19.43	19.38	19.43				
5	QPSK	1	12	19.49	19.38	19.50	21	3		
5	QPSK	1	12	19.33	19.33	19.33				
5	QPSK	1	0	17.44	17.56	17.50	19	5		
5	QPSK	1	12	17.32	17.43	17.54				
5	QPSK	1	24	17.26	17.26	17.38	19	5		
5	QPSK	1	0	17.32	17.28	17.38				
5	QPSK	1	12	17.39	17.34	17.38	19	5		
5	QPSK	1	24	17.37	17.37	17.38				
5	QPSK	1	0	17.46	17.26	17.42	19	5		
5	QPSK	1	25	17.46	17.26	17.42				



Band 25 Ant 1 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Modulo Ch./Freq.	Power High Ch./Freq.	Turn-on time (s)	APRS (dB)	APRS (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.56	22.61	22.50			
20	QPSK	1	8	22.44	22.45	22.45			
20	QPSK	1	16	22.31	22.35	22.41			24
20	QPSK	30	0	21.53	21.65	21.57			
20	QPSK	30	8	21.48	21.54	21.49			
20	QPSK	30	16	21.39	21.46	21.43			23
20	QPSK	100	0	21.62	21.65	21.55			
20	QPSK	100	8	21.38	21.45	21.33			
20	16QAM	1	48	21.52	21.56	21.47			23
20	16QAM	1	96	21.48	21.57	21.38			
20	16QAM	30	0	20.85	20.92	20.38			
20	16QAM	30	16	20.55	20.55	20.36			
20	16QAM	30	32	20.40	20.53	20.58			
20	16QAM	100	0	20.57	20.52	20.57			
20	16QAM	1	0	20.56	20.42	20.45			
20	16QAM	1	48	20.54	20.45	20.47			22
20	16QAM	1	96	20.54	20.55	20.43			
20	16QAM	30	0	19.80	19.54	19.56			
20	16QAM	30	24	19.54	19.43	19.45			21
20	16QAM	30	36	19.57	19.54	19.50			
20	16QAM	100	0	19.64	19.43	19.31			
20	25QAM	1	0	17.85	17.70	17.47			
20	25QAM	1	48	17.48	17.58	17.87			19
20	25QAM	1	96	17.43	17.44	17.57			
20	25QAM	30	0	17.46	17.54	17.56			
20	25QAM	30	24	17.67	17.54	17.53			19
20	25QAM	30	36	17.49	17.61	17.46			
20	25QAM	100	0	17.59	17.62	17.55			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.49	22.65	22.36			
15	QPSK	1	8	22.32	22.44	22.43			24
15	QPSK	1	16	22.42	22.36	22.45			
15	QPSK	30	0	21.44	21.68	21.63			
15	QPSK	30	8	21.44	21.48	21.47			23
15	QPSK	30	16	21.55	21.49	21.50			
15	QPSK	100	0	21.50	21.47	21.63			
15	16QAM	1	0	21.28	21.34	21.34			
15	16QAM	1	32	21.49	21.58	21.52			23
15	16QAM	1	64	21.35	21.70	21.47			
15	16QAM	30	0	20.63	20.44	20.39			
15	16QAM	30	20	20.43	20.37	20.39			22
15	16QAM	30	40	20.43	20.37	20.44			
15	16QAM	100	0	20.43	20.63	20.57			
15	16QAM	1	0	20.57	20.52	20.44			22
15	16QAM	1	48	20.48	20.56	20.44			
15	16QAM	1	96	20.52	20.55	20.52			
15	16QAM	30	0	19.50	19.58	19.54			
15	16QAM	30	16	19.42	19.42	19.36			21
15	16QAM	30	32	19.50	19.43	19.56			
15	16QAM	75	0	19.61	19.53	19.31			
15	25QAM	1	0	17.54	17.54	17.44			
15	25QAM	1	32	17.57	17.57	17.87			19
15	25QAM	1	74	17.37	17.48	17.50			
15	25QAM	30	0	17.46	17.54	17.54			
15	25QAM	30	20	17.55	17.55	17.54			19
15	25QAM	30	36	17.53	17.53	17.55			
15	25QAM	100	0	17.43	17.46	17.46			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.55	22.54	22.45			
5	QPSK	1	8	22.29	22.25	22.55			24
5	QPSK	1	16	22.37	22.37	22.43			
5	QPSK	30	0	21.57	21.57	21.57			
5	QPSK	30	16	21.47	21.67	21.47			23
5	QPSK	30	32	21.52	21.43	21.46			
5	QPSK	100	0	21.46	21.53	21.47			
5	16QAM	1	0	21.34	21.49	21.44			
5	16QAM	1	24	21.42	21.58	21.49			23
5	16QAM	1	48	21.45	21.47	21.46			
5	16QAM	30	0	20.61	20.52	20.44			
5	16QAM	30	12	20.50	20.55	20.40			22
5	16QAM	30	24	20.43	20.47	20.44			
5	16QAM	30	36	20.49	20.54	20.58			
5	16QAM	1	0	20.47	20.47	20.45			22
5	16QAM	1	48	20.53	20.52	20.35			
5	16QAM	1	96	20.53	20.46	20.45			
5	16QAM	30	0	19.45	19.46	19.53			
5	16QAM	30	16	19.51	19.51	19.48			21
5	16QAM	30	32	19.61	19.47	19.57			
5	16QAM	50	0	19.63	19.45	19.39			
5	25QAM	1	0	17.66	17.66	17.36			
5	25QAM	1	24	17.47	17.57	17.83			19
5	25QAM	1	48	17.51	17.42	17.56			
5	25QAM	30	0	17.62	17.45	17.54			
5	25QAM	30	12	17.68	17.56	17.81			
5	25QAM	30	24	17.50	17.65	17.53			19
5	25QAM	100	0	17.50	17.41	17.87			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.43	22.51	22.42			
3	QPSK	1	8	22.39	22.38	22.52			24
3	QPSK	1	16	22.45	22.33	22.47			
3	QPSK	3	0	21.43	21.45	21.55			
3	QPSK	3	4	21.44	21.55	21.41			23
3	QPSK	8	7	21.57	21.46	21.42			
3	QPSK	8	14	21.58	21.63	21.59			
3	16QAM	1	0	21.32	21.50	21.41			
3	16QAM	1	8	21.52	21.65	21.52			23
3	16QAM	1	16	21.47	21.56	21.61			
3	16QAM	3	0	20.56	20.45	20.28			
3	16QAM	3	4	20.47	20.52	20.48			22
3	16QAM	3	8	20.35	20.42	20.62			
3	16QAM	16	0	20.48	20.57	20.53			
3	16QAM	1	0	20.49	20.52	20.44			22
3	16QAM	1	8	20.43	20.55	20.42			
3	16QAM	1	16	20.52	20.49	20.54			
3	16QAM	3	0	19.80	19.35	19.41			21
3	16QAM	3	8	19.81	19.42	19.49			
3	16QAM	8	7	19.87	19.45	19.56			
3	25QAM	1	0	17.62	17.71	17.48			
3	25QAM	1	8	17.59	17.54	17.70			19
3	25QAM	3	0	17.48	17.44	17.49			
3	25QAM	3	4	17.54	17.45	17.50			
3	25QAM	8	4	17.54	17.43	17.55			19
3	25QAM	8	8	17.48	17.53	17.51			
3	25QAM	16	0	17.50	17.45	17.61			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.58	22.56	22.42			
1.4	QPSK	1	8	22.29	22.41	22.29			24
1.4	QPSK	1	16	22.41	22.35	22.46			
1.4	QPSK	3	0	22.43	22.35	22.40			
1.4	QPSK	3	8	22.50	22.47	22.47			
1.4	QPSK	3	16	22.43	22.25	22.53			23
1.4	QPSK	6	0	21.54	21.47	21.47			
1.4	16QAM	1	0	21.44	21.52	21.35			
1.4	16QAM	1	8	21.41	21.43	21.47			23
1.4	16QAM	3	0	21.38	21.60	21.47			
1.4	16QAM	3	8	21.46	21.42	21.42			
1.4	16QAM	3	16	21.65	21.36	21.39			19
1.4	16QAM	6	0	20.40	20.42	20.55			22
1.4	16QAM	6	8	20.52	20.56	20.35			
1.4	16QAM	3	0	20.44	20.58	20.42			22
1.4	16QAM	3	8	20.44	20.58	20.42			
1.4	16QAM	3	16	20.45	20.42	20.50			
1.4	16QAM	6	0	19.43	19.51	19.48			21
1.4	25QAM	1	0	17.68	17.52	17.38			
1.4	25QAM	1	8	17.41	17.54	17.65			
1.4	25QAM	3	0	17.54	17.53	17.53			19
1.4	25QAM	3	8	17.64	17.58	17.87			
1.4	25QAM	3	16	17.55	17.57	17.39			
1.4	25QAM	3	24	17.44	17.68	17.36			
1.4	25QAM	6	0	17.51	17.54	17.87			19

Band 26 Ant 1 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Turn-on time (s)	APRS (dB)	APRS (dB)
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.49	22.54	22.51			
15	QPSK	1	32	22.42	22.41	22.39			24
15	QPSK	1	64	22.63	22.23	22.38			
15	QPSK	30	0	21.49	21.52	21.46			
15	QPSK	30	20	21.48	21.50	21.34			23
15	QPSK	30	36	21.44	21.34	21.40			
15	QPSK	75	0	21.52	21.50	21.53			
15	16QAM	1	0	21.34	21.44	21.31			
15	16QAM	1	32	21.61	21.43	21.33			23
15	16QAM	1	64	21.34	21.43	21.50			
15	16QAM	30	0	20.56	20.49	20.36			
15	16QAM	30	20	20.56	20.49	20.35			22
15	16QAM	30	36	20.49	20.44	20.58			
15	16QAM	75	0	20.56	20.38	20.42			
15	16QAM	1	0	20.56	20.38	20.42			
15	16QAM	1	32	20.56	20.32	20.40			22
15	16QAM	1	64	20.56	20.32	20.40			
15	16QAM	30	0	19.64	19.45	19.53			21
15	16QAM	30	20	19.64	19.43	19.58			
15	16QAM	30	36	19.64	19.43	19.58			
15	256QAM	75	0	19.47	19.37	19.35			
15	256QAM	1	0	17.67	17.62	17.63			19
15	256QAM	1	32	17.51	17.52	17.52			
15	256QAM	1	64	17.47	17.39	17.51			
15	256QAM	30	0	17.44	17.37	17.51			
15	256QAM	30	20	17.44	17.48	17.38			
15	256QAM	30	36	17.47	17.46	17.34			
15	256QAM	75	0	17.62	17.38	17.63			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.49	22.54	22.41			
15	QPSK	1	32	22.42	22.44	22.38			24
15	QPSK	1	64	22.61	22.27	22.35			
15	QPSK	25	0	21.32	21.53	21.41			23
15	QPSK	25	12	21.49	21.43	21.48			
15	QPSK	25	25	21.49	21.25	21.39			
15	QPSK	50	0	21.49	21.51	21.52			23
15	QPSK	50	0	21.49	21.43	21.48			
15	16QAM	1	25	21.37	21.44	21.36			23
15	16QAM	1	49	21.38	21.33	21.51			
15	16QAM	25	0	20.35	20.40	20.35			22
15	16QAM	25	12	20.46	20.41	20.27			
15	16QAM	1	0	20.49	20.34	20.37			22
15	16QAM	1	25	20.43	20.36	20.34			
15	16QAM	49	0	20.49	20.34	20.37			
15	16QAM	25	0	19.38	19.39	19.38			21
15	16QAM	25	12	19.38	19.39	19.38			
15	16QAM	25	25	19.37	19.32	19.35			
15	16QAM	50	0	19.49	19.40	19.25			
15	16QAM	50	0	19.49	19.40	19.25			
15	256QAM	1	25	17.45	17.38	17.42			19
15	256QAM	1	49	17.42	17.37	17.45			
15	256QAM	25	12	17.47	17.38	17.53			
15	256QAM	25	25	17.43	17.38	17.53			
15	256QAM	50	0	17.44	17.41	17.47			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.49	22.54	22.41			
15	QPSK	1	32	22.42	22.38	22.46			24
15	QPSK	1	64	22.61	22.28	22.33			
15	QPSK	12	0	21.32	21.50	21.39			23
15	QPSK	12	7	21.32	21.53	21.29			
15	QPSK	12	13	21.44	21.32	21.42			
15	QPSK	12	19	21.44	21.52	21.32			
15	16QAM	1	0	21.18	21.47	21.26			19
15	16QAM	1	12	21.28	21.38	21.38			23
15	16QAM	12	0	20.45	20.47	20.32			
15	16QAM	12	7	20.38	20.53	20.34			22
15	16QAM	12	13	20.38	20.50	20.40			
15	16QAM	12	19	20.38	20.50	20.40			
15	16QAM	1	0	20.39	20.40	20.41			22
15	16QAM	12	0	20.37	20.42	20.46			
15	16QAM	1	24	20.45	20.49	20.41			
15	16QAM	12	0	19.50	19.42	19.36			22
15	16QAM	7	19	19.50	19.42	19.36			
15	16QAM	12	13	19.63	19.28	19.46			21
15	16QAM	25	0	19.44	19.34	19.24			
15	16QAM	25	0	19.44	19.34	19.24			
15	256QAM	1	12	17.48	17.45	17.54			19
15	256QAM	1	25	17.45	17.46	17.45			
15	256QAM	12	7	17.31	17.38	17.41			
15	256QAM	12	7	17.45	17.41	17.42			19
15	256QAM	12	13	17.45	17.30	17.50			
15	256QAM	0	23	17.57	17.30	17.50			
Channel									
Frequency (MHz)									
3	QPSK	0	0	22.97	22.97	22.97			
3	QPSK	1	8	22.40	22.37	22.38			24
3	QPSK	1	16	22.41	22.39	22.38			
3	QPSK	3	0	21.41	21.54	21.43			23
3	QPSK	3	8	21.41	21.43	21.38			
3	QPSK	15	0	21.34	21.34	21.31			
3	QPSK	15	8	21.52	21.48	21.49			
3	16QAM	1	0	21.32	21.38	21.26			
3	16QAM	1	8	21.32	21.38	21.26			
3	16QAM	1	14	21.48	21.47	21.42			
3	16QAM	8	0	20.47	20.38	20.28			22
3	16QAM	4	0	20.32	20.40	20.30			
3	16QAM	8	7	20.26	20.33	20.49			
3	16QAM	15	0	20.40	20.47	20.49			
3	16QAM	0	0	20.42	20.28	20.29			22
3	16QAM	1	8	20.29	20.49	20.32			
3	16QAM	1	14	20.37	20.37	20.29			
3	16QAM	8	0	19.64	19.34	19.35			21
3	16QAM	8	4	19.64	19.32	19.40			
3	16QAM	8	7	19.50	19.42	19.48			
3	16QAM	15	0	19.66	19.33	19.29			
3	256QAM	1	0	17.69	17.51	17.24			
3	256QAM	1	8	17.41	17.49	17.56			19
3	256QAM	1	15	17.41	17.49	17.56			
3	256QAM	8	0	17.46	17.31	17.51			
3	256QAM	8	4	17.58	17.34	17.41			
3	256QAM	7	15	17.45	17.32	17.58			
3	256QAM	0	15	17.45	17.30	17.54			
Channel									
Frequency (MHz)									
14	QPSK	1	0	22.42	22.42	22.46			
14	QPSK	1	3	22.22	22.29	22.12			24
14	QPSK	1	6	22.47	22.17	22.41			
14	QPSK	3	0	22.40	22.44	22.39			
14	QPSK	3	1	22.52	22.44	22.35			
14	QPSK	3	2	21.51	21.52	21.57			20
14	QPSK	6	0	21.46	21.46	21.40			
14	16QAM	1	0	21.32	21.56	21.31			
14	16QAM	1	3	21.51	21.32	21.57			
14	16QAM	1	5	21.39	21.47	21.30			23
14	16QAM	3	0	21.38	21.48	21.31			
14	16QAM	3	2	21.45	21.48	21.42			
14	16QAM	3	3	21.55	21.52	21.31			
14	16QAM	6	0	20.44	20.44	20.52			22
14	16QAM	3	0	20.44	20.41	20.51			
14	16QAM	3	2	20.44	20.46	20.48			
14	16QAM	3	3	20.29	20.40	20.33			
14	16QAM	6	1	20.49	20.45	20.29			
14	16QAM	6	2	20.42	20.43	20.33			
14	256QAM	1	0	19.43	19.48	19.30			21
14	256QAM	1	3	17.49	17.43	17.35			
14	256QAM	3	0	17.48	17.48	17.48			
14	256QAM	1	5	17.63	17.49	17.44			19
14	256QAM	3	0	17.42	17.49	17.54			
14	256QAM	3	2	17.60	17.42	17.52			
14	256QAM	3	3	17.42	17.47	17.40			
14	256QAM	6	0	17.28	17.40	17.58			19

Band 38 Ant 1 DS14																		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)										
Channel																		
Frequency (MHz)																		
				37650	38000	38150												
20	QPSK	1	0	22.91	22.95	22.86			24	0								
20	QPSK	1	49	22.80	22.81	22.80												
20	QPSK	1	99	22.78	22.72	22.80			23	1								
20	QPSK	50	10	21.82	21.89	21.88												
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			23	1								
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			22	2								
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			22	2								
20	64QAM	1	49	20.82	20.90	20.78												
20	64QAM	1	99	20.77	20.84	20.84			21	3								
20	64QAM	50	0	19.91	19.90	19.83												
20	64QAM	50	24	19.98	19.98	19.84			21	3								
20	64QAM	50	50	19.87	19.77	20.02												
20	64QAM	100	0	19.89	19.82	19.73			19	5								
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	17.86												
20	256QAM	50	0	17.77	17.79	17.86			19	5								
20	256QAM	50	24	17.87	17.92	17.87												
20	256QAM	50	50	17.82	17.84	17.85			20	5								
20	256QAM	100	0	17.82	17.85	18.03												
Channel																		
Frequency (MHz)																		
				2077.5	2095	2112.5								Turn-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	22.85	22.86	22.87			24	0								
15	QPSK	1	37	22.81	22.82	22.83												
15	QPSK	1	74	22.84	22.72	22.74			23	1								
15	QPSK	36	0	21.74	21.87	21.83												
15	QPSK	36	36	21.83	21.76	21.84			23	1								
15	QPSK	75	0	21.80	21.92	21.84												
15	16QAM	1	0	21.69	21.81	21.72			23	1								
15	16QAM	1	37	21.75	21.84	21.81												
15	16QAM	1	74	21.65	21.74	21.71			23	1								
15	16QAM	36	0	20.86	20.79	20.81												
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			22	2								
15	64QAM	1	0	20.82	20.79	20.86												
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			21	3								
15	64QAM	36	20	19.85	19.86	19.85												
15	64QAM	36	39	19.87	19.79	19.89			21	3								
15	64QAM	75	0	19.87	19.79	19.89												
15	256QAM	1	0	17.96	17.94	17.99			19	5								
15	256QAM	1	37	17.83	17.91	18.00												
15	256QAM	1	74	17.88	17.85	17.87			19	5								
15	256QAM	36	0	17.80	17.75	17.93												
15	256QAM	36	20	17.83	17.76	17.93			19	5								
15	256QAM	36	39	17.78	17.83	17.76												
15	256QAM	75	0	17.81	17.75	17.96			19	5								
Channel																		
Frequency (MHz)																		
				37625	38000	38225								Turn-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	22.71	22.82	22.77								24	0			
10	QPSK	1	25	22.76	22.88	22.79												
10	QPSK	1	49	22.85	22.88	22.85			23	1								
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			23	1								
10	16QAM	1	0	21.81	21.76	21.71												
10	16QAM	1	25	21.73	21.84	21.86			23	1								
10	16QAM	1	49	21.87	21.83	21.82												
10	16QAM	25	0	20.89	20.77	20.71			22	2								
10	16QAM	25	12	20.76	20.84	20.68												
10	16QAM	25	25	20.84	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			22	2								
10	64QAM	1	25	20.80	20.79	20.75												
10	64QAM	1	49	20.81	20.86	20.78			21	3								
10	64QAM	25	0	19.83	19.74	19.89												
10	64QAM	25	12	19.84	19.81	19.81			21	3								
10	64QAM	25	25	19.86	19.80	19.95												
10	64QAM	50	0	19.86	19.79	19.81			19	5								
10	64QAM	50	0	17.85	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	17.82			19	5								
10	256QAM	25	12	17.85	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																		
Frequency (MHz)																		
				2072.5	2095	2112.5			Turn-up limit (dBm)	MPR (dB)								
5	QPSK	1	0	22.80	22.84	22.66			24	0								
5	QPSK	1	12	22.85	22.75	22.72												
5	QPSK	1	25	22.89	22.75	22.71			23	1								
5	QPSK	12	0	21.75	21.98	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			23	1								
5	16QAM	1	0	21.83	21.78	21.73												
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			22	2								
5	16QAM	12	7	20.73	20.77	20.79												
5	16QAM	12	13	20.83	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			22	2								
5	64QAM	1	12	20.70	20.74	20.70												
5	64QAM	1	25	20.79	20.79	20.79			22	2								
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			21	3								
5	64QAM	25	13	19.81	19.71	19.82												
5	256QAM	1	12	17.91	17.81	17.85			19	5								
5	256QAM	1	24	17.75	17.81	17.83												
5	256QAM	12	0	17.71	17.76	17.92			19	5								
5	256QAM	12	7	17.87	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												

GSM1900 Ant 2 DS14									
GSM1900 Ant 2		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)		
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1852.2	1860	1868.8	1852.2	1852.2	1860	1868.8	1852.2
GSM 1 Tx slot		28.65	29.98	29.65	30.50	19.65	20.98	20.65	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	21.50	21.77
GPRS 3 Tx slot		25.07	26.15	26.12	27.00	20.75	21.83	21.66	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	24.50	25.50	17.58	18.55	18.90	19.50
EDGE 3 Tx slot		22.00	23.16	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									
Band		WCDMA II Ant 2			WCDMA IV Ant 2			DS14	
TX Channel		9282	9400	9538	Tune-up Limit	1312	1413	1513	Tune-up Limit
RX Channel		8652	8800	8958	Limit	1537	1638	1738	Limit
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	1782.6	1712.4
3GPP Rel 99		22.34	22.45	22.42	24.00	22.34	22.45	22.42	24.00
3GPP Rel 99		22.34	22.45	22.43	24.00	22.43	22.51	22.45	24.00
3GPP Rel 6		21.30	21.36	21.44	23.00	21.41	21.47	21.47	23.00
3GPP Rel 6		21.41	21.41	21.53	23.00	21.41	21.47	21.47	23.00
3GPP Rel 6		20.82	21.01	20.88	22.50	20.87	20.92	20.92	22.50
3GPP Rel 6		20.86	20.92	20.85	22.50	20.84	20.96	20.96	22.50
3GPP Rel 6		21.32	21.54	21.48	23.00	21.37	21.42	21.42	23.00
3GPP Rel 6		21.41	21.48	21.29	23.00	21.51	21.51	21.36	23.00
3GPP Rel 6		20.77	20.88	20.93	22.50	20.74	20.90	21.01	22.50
3GPP Rel 6		20.92	20.95	20.85	22.50	20.94	20.95	20.84	22.50
3GPP Rel 6		21.40	21.37	21.49	23.00	21.38	21.40	21.40	23.00
3GPP Rel 6		19.41	19.45	19.49	21.00	19.31	19.52	19.41	21.00
3GPP Rel 6		20.37	20.44	20.52	22.00	20.45	20.45	20.56	22.00
3GPP Rel 6		19.34	19.43	19.45	21.00	19.34	19.47	19.53	21.00
3GPP Rel 6		21.36	21.50	21.52	23.00	21.36	21.53	21.49	23.00

Band 2 Ant 2 DS1A											
BW (MHz)	Modulation	RB Size (MHz)	RB Offset (MHz)	Power Low Ch./Freq. (dBm)	Power Main Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Turn-on Time (sec)	APRS (dB)			
Channel											
Frequency (MHz)											
20	OPSK	1	0	22.48	22.49	22.44			24	0	
20	OPSK	1	49	22.52	22.41	22.35					
20	OPSK	1	99	22.38	22.49	22.45			23	1	
20	OPSK	50	0	21.44	21.47	21.38					
20	OPSK	50	24	21.48	21.37	21.45			23	1	
20	OPSK	50	50	21.29	21.29	21.27					
20	OPSK	100	0	21.41	21.45	21.37			23	1	
20	OPSK	100	0	21.25	21.31	21.25					
20	16QAM	1	49	21.36	21.38	21.29			22	2	
20	16QAM	1	99	21.38	21.40	21.40					
20	16QAM	50	0	20.65	20.62	20.44			22	2	
20	16QAM	50	24	20.37	20.25	20.34					
20	16QAM	50	50	20.31	20.29	20.24			22	2	
20	16QAM	100	0	20.34	20.45	20.44					
20	16QAM	1	0	20.37	20.36	20.35			22	2	
20	16QAM	1	49	20.21	20.21	20.21					
20	16QAM	1	99	20.39	20.39	20.35			21	3	
20	16QAM	50	0	19.38	19.56	19.38					
20	16QAM	50	24	19.50	19.53	19.59			19	5	
20	16QAM	50	50	19.43	19.54	19.58					
20	16QAM	100	0	19.43	19.59	19.42			19	5	
20	25QAM	1	0	17.52	17.41	17.52					
20	25QAM	1	49	17.48	17.38	17.40			19	5	
20	25QAM	1	99	17.40	17.35	17.32					
20	25QAM	50	0	17.36	17.34	17.32			19	5	
20	25QAM	50	24	17.44	17.40	17.52					
20	25QAM	50	50	17.41	17.40	17.35			20	10	
20	25QAM	100	0	17.37	17.40	17.42					
20	25QAM	100	0	17.37	17.40	17.42					
Channel											
Frequency (MHz)											
15	OPSK	1	0	18.57	18.60	18.60			24	0	
15	OPSK	1	0	22.31	22.29	22.34					
15	OPSK	1	37	22.28	22.38	22.34			24	0	
15	OPSK	1	74	22.45	22.43	22.36					
15	OPSK	36	0	21.31	21.34	21.38			23	1	
15	OPSK	36	20	21.25	21.34	21.30					
15	OPSK	36	36	21.29	21.27	21.28			23	1	
15	OPSK	75	0	21.42	21.38	21.41					
15	16QAM	1	0	21.18	21.32	21.19			23	1	
15	16QAM	1	37	21.21	21.27	21.28					
15	16QAM	1	74	21.21	21.27	21.28			22	2	
15	16QAM	1	84	21.22	21.27	21.27					
15	16QAM	36	0	20.44	20.38	20.50			22	2	
15	16QAM	36	20	20.34	20.28	20.28					
15	16QAM	36	36	20.38	20.38	20.38			22	2	
15	16QAM	75	0	20.28	20.35	20.31					
15	16QAM	1	0	20.40	20.34	20.29			22	2	
15	16QAM	1	37	20.34	20.29	20.34					
15	16QAM	1	74	20.28	20.19	20.19			21	3	
15	16QAM	36	0	19.28	19.27	19.41					
15	16QAM	36	36	19.57	19.47	19.42			21	3	
15	16QAM	36	39	19.41	19.47	19.42					
15	25QAM	1	0	19.31	19.36	19.36			19	5	
15	25QAM	1	37	17.42	17.52	17.52					
15	25QAM	1	74	17.31	17.34	17.27			19	5	
15	25QAM	36	0	17.32	17.32	17.30					
15	25QAM	36	20	17.48	17.41	17.44			19	5	
15	25QAM	36	36	17.32	17.29	17.29					
15	25QAM	75	0	17.31	17.41	17.38			20	10	
15	25QAM	75	0	17.31	17.41	17.38					
15	25QAM	75	0	17.31	17.41	17.38					
Channel											
Frequency (MHz)											
15	OPSK	1	0	22.33	22.31	22.33			24	0	
15	OPSK	1	12	22.38	22.39	22.33					
15	OPSK	1	24	22.30	22.35	22.40			23	1	
15	OPSK	12	0	21.45	21.39	21.34					
15	OPSK	12	7	21.30	21.39	21.31			23	1	
15	OPSK	12	13	21.28	21.27	21.25					
15	OPSK	25	0	21.34	21.44	21.33			23	1	
15	16QAM	1	0	21.15	21.23	21.25					
15	16QAM	1	12	21.32	21.29	21.21			23	1	
15	16QAM	1	14	21.34	21.37	21.31					
15	16QAM	12	0	20.40	20.39	20.38			22	2	
15	16QAM	12	7	20.33	20.28	20.31					
15	16QAM	12	13	20.28	20.32	20.30			22	2	
15	16QAM	25	0	20.38	20.29	20.34					
15	16QAM	1	0	20.20	20.40	20.41			22	2	
15	16QAM	1	12	20.20	20.22	20.18					
15	16QAM	1	24	20.28	20.33	20.24			22	2	
15	16QAM	12	0	19.38	19.20	19.37					
15	16QAM	12	7	19.47	19.42	19.50			21	3	
15	16QAM	12	13	19.40	19.54	19.53					
15	16QAM	25	0	19.25	19.49	19.45			19	5	
15	16QAM	25	0	19.25	19.49	19.45					
15	25QAM	1	0	17.40	17.49	17.44			19	5	
15	25QAM	1	12	17.43	17.49	17.44					
15	25QAM	1	24	17.38	17.33	17.37			19	5	
15	25QAM	12	0	17.36	17.30	17.28					
15	25QAM	12	7	17.43	17.43	17.37			19	5	
15	25QAM	12	13	17.31	17.34	17.32					
15	25QAM	25	0	17.43	17.44	17.34			20	10	
15	25QAM	25	0	17.43	17.44	17.34					
15	25QAM	25	0	17.43	17.44	17.34					
Channel											
Frequency (MHz)											
5	OPSK	1	0	22.42	22.32	22.43			24	0	
5	OPSK	1	8	22.37	22.36	22.43					
5	OPSK	1	14	22.38	22.32	22.43			23	1	
5	OPSK	8	0	21.38	21.39	21.30					
5	OPSK	8	4	21.38	21.39	21.30			23	1	
5	OPSK	8	7	21.30	21.29	21.27					
5	OPSK	16	0	21.39	21.34	21.37			23	1	
5	OPSK	16	0	21.27	21.31	21.37					
5	16QAM	1	8	21.29	21.28	21.34			23	1	
5	16QAM	1	14	21.30	21.31	21.34					
5	16QAM	8	0	20.44	20.39	20.43			22	2	
5	16QAM	8	4	20.35	20.27	20.35					
5	16QAM	8	7	20.36	20.25	20.23			22	2	
5	16QAM	16	0	20.38	20.28	20.33					
5	16QAM	1	8	20.24	20.35	20.30			22	2	
5	16QAM	1	8	20.24	20.29	20.27					
5	16QAM	8	0	19.48	19.38	19.55			22	2	
5	16QAM	8	4	19.37	19.37	19.39					
5	16QAM	8	8	19.56	19.42	19.46			22	2	
5	16QAM	8	7	19.49	19.38	19.44					
5	16QAM	16	0	19.28	19.24	19.26			21	3	
5	16QAM	16	0	19.28	19.24	19.26					
5	16QAM	1	0	17.47	17.31	17.48			19	5	
5	16QAM	1	8	17.41	17.30	17.48					
5	25QAM	1	14	17.32	17.37	17.33			19	5	
5	25QAM	1	14	17.32	17.37	17.33					
5	25QAM	8	0	17.48	17.48	17.48			19	5	
5	25QAM	8	4	17.48	17.50	17.42					
5	25QAM	8	7	17.48	17.35	17.36			19	5	
5	25QAM	16	0	17.35	17.35	17.35					
Channel											
Frequency (MHz)											
14	OPSK	1	0	22.46	22.46	22.46			24	0	
14	OPSK	1	37	22.46	22.46	22.46					
14	OPSK	1	74	22.46	22.46	22.46			23	1	
14	OPSK	1	50	22.46	22.42	22.37					
14	OPSK	3	1	22.46	22.46	22.46			23	1	
14	OPSK	3	3	22.37	22.32	22.24					
14	OPSK	1	0	21.27	21.52	21.27			23	1	
14	OPSK	1	3	21.23	21.55	21.23					
14	16QAM	1	3	21.23	21.49	21.23			23	1	
14	16QAM	1	3	21.23	21.49	21.23					
14	16QAM	3	1	21.23	21.39	21.35			23	1	
14	16QAM	3	1	21.23	21.39	21.35					
14	16QAM	3	1	21.23	21.39	21.35			23	1	
14	16QAM	3	1	21.23	21.39	21.35					
14	16QAM	3	1	21.23	21.39	21.35			23	1	
14	16QAM	3	1	21.23	21.39	21.35					
14	16QAM	3	1	21.23	21.39	21.35			23	1	
14	16QAM	3	1	21.23	21.39	21.35					
14	16QAM	3	1	21.23	21.39	21.35			23	1	
14	16QAM	3	1	21.23	21.39	21.35					
14	16QAM	3	1	21.23	21.39	21.35			23	1	
14	16QAM	3	1	21.23	21.39	21.35					
14	16QAM	3	1	21.23	21.39	21.35			23	1	
14	16QAM	3	1	21.23	21.39	21.35					
14	16QAM	3	1	21.23	21.39	21.35			23	1	

Band 25 Ant 2 DSI4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up (MHz)	APRS (dB)						
Channel														
1880 1880 1900														
20	QPSK	1	0	22.43	22.49	22.42	24	0						
20	QPSK	1	49	22.37	22.43	22.38								
20	QPSK	1	99	22.32	22.47	22.43								
20	QPSK	50	0	21.43	21.48	21.46								
20	QPSK	50	24	21.34	21.41	21.46	23	1						
20	QPSK	50	50	21.38	21.28	21.28								
20	QPSK	100	0	21.45	21.47	21.42								
20	16QAM	50	0	21.28	21.23	21.29								
20	16QAM	1	49	21.22	21.36	21.39	23	1						
20	16QAM	1	99	21.31	21.33	21.30								
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	2						
20	16QAM	100	0	20.28	20.36	20.32								
20	16QAM	1	0	20.39	20.52	20.35								
20	16QAM	1	49	20.42	20.18	20.30								
20	16QAM	1	99	20.45	20.30	20.22	22	2						
20	16QAM	50	0	19.47	19.36	19.42								
20	16QAM	50	24	19.51	19.51	19.50								
20	16QAM	50	50	19.50	19.45	19.53								
20	16QAM	100	0	19.28	19.34	19.27	21	3						
20	16QAM	1	0	17.44	17.42	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	17.23	17.36	17.29	19	5						
20	16QAM	50	24	17.38	17.40	17.44								
20	16QAM	50	50	17.45	17.40	17.42								
20	16QAM	100	0	17.52	17.43	17.42								
Channel														
1887.5 1880 1907.5														
15	QPSK	1	0	22.48	22.42	22.45	24	0						
15	QPSK	1	37	22.34	21.43	22.33								
15	QPSK	1	74	22.42	22.34	22.46								
15	QPSK	36	0	21.38	21.50	21.42								
15	QPSK	36	20	21.40	21.37	21.42	23	1						
15	QPSK	36	36	21.44	21.39	21.36								
15	QPSK	75	0	21.51	21.53	21.48								
15	16QAM	1	0	21.54	21.33	21.15								
15	16QAM	1	37	21.30	21.44	21.39	23	1						
15	16QAM	1	74	21.47	21.42	21.48								
15	16QAM	36	0	20.48	20.43	20.40								
15	16QAM	36	20	20.34	20.32	20.24								
15	16QAM	36	36	20.28	20.31	20.25	22	2						
15	16QAM	75	0	20.51	20.43	20.41								
15	16QAM	1	0	20.45	20.47	20.36								
15	16QAM	1	37	20.48	20.30	20.31								
15	16QAM	1	74	20.35	20.34	20.25	22	2						
15	16QAM	36	0	19.42	19.35	19.39								
15	16QAM	36	20	19.41	19.42	19.38								
15	16QAM	36	36	19.35	19.44	19.53								
15	16QAM	75	0	19.24	19.34	19.40	19	5						
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	17.23	17.36	17.29	19	5						
15	16QAM	36	20	17.52	17.38	17.36								
15	16QAM	36	36	17.53	17.44	17.39								
15	16QAM	75	0	17.57	17.40	17.39								
Channel														
1890 1890 1910														
10	QPSK	1	0	22.34	22.47	22.42	24	0						
10	QPSK	1	25	22.28	22.41	22.36								
10	QPSK	1	49	22.37	22.36	22.44								
10	QPSK	1	74	22.47	22.47	22.49								
10	QPSK	25	12	21.44	21.31	21.45	23	1						
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								
10	16QAM	1	49	21.33	21.42	21.36	23	1						
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	20.31								
10	16QAM	50	0	20.38	20.37	20.34	22	2						
10	16QAM	1	0	20.46	20.43	20.36								
10	16QAM	1	25	20.31	20.36	20.23								
10	16QAM	1	49	20.36	20.38	20.33								
10	16QAM	25	0	19.45	19.39	19.35	21	3						
10	16QAM	25	12	19.53	19.54	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	17.59	19	5						
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	17.38	17.40	17.37	19	5						
10	16QAM	25	25	17.53	17.59	17.44								
10	16QAM	50	0	17.58	17.55	17.45								
Channel														
1895 1890 1915														
5	QPSK	1	0	22.39	22.48	22.38	24	0						
5	QPSK	1	12	22.50	22.48	22.25								
5	QPSK	1	24	22.36	22.38	22.46								
5	QPSK	12	0	21.42	21.53	21.45								
5	QPSK	12	7	21.36	21.39	21.36	23	1						
5	QPSK	12	13	21.46	21.35	21.29								
5	QPSK	24	0	21.54	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	21.34								
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	22	2						
5	16QAM	25	0	20.28	20.41	20.43								
5	16QAM	1	0	20.40	20.40	20.36								
5	16QAM	1	12	20.28	20.19	20.25								
5	16QAM	1	24	20.43	20.30	20.27	22	2						
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	21	3						
5	16QAM	25	0	17.49	17.48	17.54								
5	16QAM	1	0	17.42	17.47	17.41								
5	16QAM	1	24	17.50	17.38	17.26								
5	16QAM	1	12	17.53	17.41	17.35	19	5						
5	16QAM	1	24	17.45	17.39	17.31								
5	16QAM	12	0	17.23	17.31	17.27								
5	16QAM	12	7	17.31	17.42	17.33								
5	16QAM	12	13	17.51	17.42	17.38	19	5						
5	16QAM	25	0	17.47	17.41	17.60								
Channel														
1895.7 1890 1915.5														
3	QPSK	1	0	22.44	22.38	22.47	24	0						
3	QPSK	1	8	22.45	22.45	22.43								
3	QPSK	1	14	22.35	22.40	22.47								
3	QPSK	8	0	21.42	21.63	21.38								
3	QPSK	8	8	21.45	21.53	21.25	23	1						
3	QPSK	8	7	21.45	21.40	21.59								
3	QPSK	16	0	21.46	21.49	21.43								
3	16QAM	1	0	21.23	21.32	21.35								
3	16QAM	1	8	21.29	21.36	21.35	23	1						
3	16QAM	1	14	21.26	21.35	21.28								
3	16QAM	8	0	20.47	20.48	20.45								
3	16QAM	8	4	20.25	20.38	20.27								
3	16QAM	8	7	20.18	20.26	20.29	22	2						
3	16QAM	16	0	20.33	20.40	20.34								
3	16QAM	1	0	20.40	20.48	20.44								
3	16QAM	1	8	20.21	20.31	20.32								
3	16QAM	14	0	19.30	19.32	19.30	22	2						
3	16QAM	8	4	19.48	19.41	19.61								
3	16QAM	8	7	19.47	19.48	19.45								
3	16QAM	16	0	19.28	19.41	19.35								
3	16QAM	1	0	17.45	17.45	17.48	19	5						
3	16QAM	1	14	17.46	17.39	17.31								
3	16QAM	1	14	17.31	17.35	17.35								
3	16QAM	1	21	17.31	17.31	17.29								
3	16QAM	8	4	17.47	17.49	17.38	19	5						
3	16QAM	8	7	17.56	17.39	17.41								
3	16QAM	8	7	17.51	17.51	17.51								
Channel														
1902.7 1895 1916.3														
1.4	QPSK	1	0	22.40	22.39	22.43	24	0						
1.4	QPSK	1	5	22.42	22.34	22.42								
1.4	QPSK	1	5	22.41	22.41	22.46								
1.4	QPSK	3	1	22.41	22.38	22.29								
1.4	QPSK	3	3	22.43	22.40	22.47	24	0						
1.4	QPSK	3	3	22.43	22.43	22.43								
1.4	16QAM	1	0	21.32	21.51	21.32								
1.4	16QAM	1	3	21.39	21.26	21.31								
1.4	16QAM	3	1	21.37	21.48	21.46	23	1						
1.4	16QAM	3	1	21.32	21.39	21.37								
1.4	16QAM	3	1	21.42	21.37	21.34								
1.4	16QAM	3	1	20.57	20.57	20.42								
1.4	16QAM	6	0	20.37	20.37	20.31	22	2						
1.4	16QAM	6	0	20.33	20.45	20.34								
1.4	16QAM	1	5	20.42	20.42	20.40								
1.4	16QAM	3	0	20.43	20.39	20.40								
1.4	16QAM	3	0	20.35	20.35	20.38	21	3						
1.4	16QAM	3	0	20.32	20.38	20.34								
1.4	16QAM	3	1	20.38	20.35	20.34								
1.4	16QAM	3	1	20.32	20.38	20.34								
1.4	16QAM	3	1	20.37	20.37	20.37	21	3						
1.4	16QAM	3	1											

Band 38 Ant 2 DSI4													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				37860	39000	39150							
20	QPSK	1	0	22.65	22.67	22.63							
20	QPSK	1	49	22.62	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	20.59		22	2				
20	16QAM	50	50	20.36	20.38	20.56							
20	16QAM	100	0	20.56	20.62	20.50							
20	16QAM	1	0	20.61	20.66	20.51							
20	16QAM	1	49	20.41	20.51	20.44		22	2				
20	16QAM	1	99	20.62	20.63	20.44							
20	16QAM	50	0	19.73	19.56	19.56							
20	16QAM	50	24	19.84	19.61	19.79		21	3				
20	16QAM	50	50	19.70	19.60	19.71							
20	16QAM	100	0	19.46	19.64	19.47							
20	256QAM	1	0	17.74	17.68	17.79		19	5				
20	256QAM	1	49	17.66	17.64	17.69							
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													
Frequency (MHz)				2677.5	2698	2612.5	turn-up limit (dBm)	MPR (dB)					
15	QPSK	1	0	22.43	22.52	22.49							
15	QPSK	1	37	22.40	22.54	22.34							
15	QPSK	1	74	22.49	22.51	22.63							
15	QPSK	36	0	21.44	21.43	21.54							
15	QPSK	36	36	21.59	21.43	21.42		23	1				
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	21.44	21.54	21.45							
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	16QAM	75	0	20.34	20.38	20.56							
15	16QAM	1	37	20.40	20.34	20.43		22	2				
15	16QAM	1	74	20.42	20.46	20.43							
15	16QAM	36	0	19.62	19.54	19.46							
15	16QAM	36	20	19.64	19.56	19.72		21	3				
15	16QAM	36	39	19.59	19.51	19.57							
15	16QAM	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	17.53							
15	256QAM	36	0	17.38	17.39	17.43							
15	256QAM	36	20	17.48	17.56	17.49		19	5				
15	256QAM	36	39	17.59	17.45	17.52							
15	256QAM	75	0	17.67	17.63	17.61							
Channel													
Frequency (MHz)				2575	2598	2515	turn-up limit (dBm)	MPR (dB)					
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		23	1				
10	QPSK	25	25	21.59	21.43	21.43							
10	QPSK	50	0	21.53	21.58	21.57							
10	16QAM	1	0	21.27	21.38	21.31							
10	16QAM	1	25	21.41	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	20.47	20.43		22	2				
10	16QAM	25	25	20.27	20.35	20.45							
10	16QAM	50	0	20.37	20.39	20.47							
10	16QAM	1	0	20.50	20.48	20.42		22	2				
10	16QAM	1	25	20.34	20.33	20.40							
10	16QAM	1	49	20.44	20.44	20.43							
10	16QAM	25	0	19.58	19.52	19.48							
10	16QAM	25	12	19.73	19.50	19.65		21	3				
10	16QAM	25	25	19.54	19.54	19.54							
10	16QAM	50	0	19.34	19.53	19.44							
10	256QAM	1	0	17.56	17.63	17.60		19	5				
10	256QAM	1	25	17.49	17.50	17.49							
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	17.60		19	5				
10	256QAM	25	25	17.47	17.51	17.42							
10	256QAM	50	0	17.65	17.57	17.57							
Channel													
Frequency (MHz)				2272.5	2298	2217.5	turn-up limit (dBm)	MPR (dB)					
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	6	21.27	21.38	21.31							
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	21.40	21.55	21.46		23	1				
5	16QAM	1	24	21.38	21.49	21.40							
5	16QAM	12	0	20.53	20.56	20.44							
5	16QAM	12	7	20.29	20.43	20.39		22	2				
5	16QAM	12	13	20.34	20.38	20.32							
5	16QAM	25	0	20.47	20.44	20.51							
5	16QAM	1	0	20.52	20.58	20.55							
5	16QAM	1	12	20.29	20.35	20.46		22	2				
5	16QAM	1	24	20.53	20.43	20.40							
5	16QAM	12	0	19.56	19.41	19.59							
5	16QAM	12	7	19.70	19.58	19.65		21	3				
5	16QAM	12	13	19.60	19.61	19.57							
5	16QAM	25	0	19.39	19.54	19.41							
5	256QAM	1	0	17.53	17.55	17.68		19	5				
5	256QAM	1	12	17.43	17.60	17.49							
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		19	5				
5	256QAM	12	13	17.47	17.56	17.50							
5	256QAM	25	0	17.55	17.61	17.50							

Band 41 Ant 2 DSI4													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power 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	22.51	22.68	22.71	22.68	22.62					
20	QPSK	1	49	22.52	22.63	22.63	22.63	22.54					
20	QPSK	1	99	22.56	22.61	22.69	22.65	22.59		24	0		
20	QPSK	50	0	21.54	21.61	21.68	21.58	21.55					
20	QPSK	50	24	21.63	21.59	21.62	21.59	21.58		23	1		
20	QPSK	50	49	21.62	21.63	21.63	21.48	21.50					
20	QPSK	100	0	21.58	21.62	21.62	21.63	21.58					
20	16QAM	1	0	21.47	21.45	21.36	21.43	21.45		23	1		
20	16QAM	1	49	21.41	21.59	21.51	21.57	21.58					
20	16QAM	1	99	21.46	21.50	21.58	21.51	21.53					
20	16QAM	50	0	20.53	20.53	20.53	20.46	20.46		22			
20	16QAM	50	24	20.45	20.63	20.52	20.43	20.47					
20	16QAM	50	50	20.51	20.41	20.41	20.56	20.51					
20	16QAM	100	0	20.45	20.51	20.54	20.59	20.53					
20	16QAM	100	50	20.80	20.72	20.56	20.53	20.64					
20	16QAM	1	49	20.37	20.50	20.46	20.46	20.52		22	2		
20	16QAM	1	99	20.82	20.63	20.49	20.50	20.45					
20	16QAM	50	0	19.62	19.66	19.63	19.58	19.57					
20	16QAM	50	24	19.85	19.60	19.76	19.82	19.75		21	3		
20	16QAM	50	49	19.78	19.61	19.76	19.76	19.76					
20	16QAM	100	0	19.53	19.53	19.57	19.53	19.54					
20	256QAM	1	0	17.71	17.66	17.69	17.67	17.75					
20	256QAM	1	49	17.67	17.70	17.66	17.71	17.69		19	5		
20	256QAM	1	99	17.46	17.54	17.41	17.43	17.55					
20	256QAM	50	0	17.59	17.67	17.64	17.44	17.45					
20	256QAM	50	24	17.62	17.73	17.60	17.58	17.71					
20	256QAM	50	50	17.61	17.63	17.64	17.62	17.56					
20	256QAM	100	0	17.54	17.67	17.59	17.64	17.72		un-def		MPR (dB)	
Frequency (MHz)				25515	25493	25593	25569	25523					
15	QPSK	1	0	22.62	22.63	22.65	22.53	22.62					
15	QPSK	1	37	22.55	22.47	22.42	22.47	22.45		24	00		
15	QPSK	1	74	22.54	22.52	22.65	22.57	22.65					
15	QPSK	1	111	21.52	21.64	21.64	21.57	21.60					
15	QPSK	36	20	21.46	21.56	21.52	21.51	21.51		23	1		
15	QPSK	36	36	21.59	21.48	21.50	21.50	21.40					
15	QPSK	75	0	21.63	21.62	21.53	21.67	21.51					
15	16QAM	1	0	21.50	21.51	21.60	21.48	21.55		23	1		
15	16QAM	1	37	21.50	21.53	21.42	21.48	21.52					
15	16QAM	1	74	21.47	21.45	21.48	21.47	21.49					
15	16QAM	36	0	20.57	20.58	20.55	20.60	20.60		22	2		
15	16QAM	36	20	20.37	20.50	20.34	20.44	20.48					
15	16QAM	36	36	20.48	20.41	21.60	20.46	20.45					
15	16QAM	75	0	20.44	20.53	20.59	20.45	20.58					
15	16QAM	1	0	20.59	20.55	20.55	20.56	20.46					
15	16QAM	1	37	20.36	20.35	20.40	20.42	20.36		22	2		
15	16QAM	1	74	20.46	20.46	20.51	20.43	20.51					
15	16QAM	36	36	19.67	19.56	19.61	19.65	19.61		21	3		
15	16QAM	36	20	19.67	19.52	19.74	19.74	19.66					
15	16QAM	75	0	19.46	19.50	19.56	19.51	19.45					
15	256QAM	1	0	17.57	17.67	17.67	17.57	17.67		19			
15	256QAM	1	37	17.62	17.62	17.68	17.55	17.61					
15	256QAM	1	74	17.55	17.60	17.37	17.42	17.37					
15	256QAM	36	0	17.36	17.53	17.43	17.36	17.47					
15	256QAM	36	20	17.59	17.58	17.64	17.60	17.63		19	5		
15	256QAM	36	36	17.74	17.67	17.67	17.59	17.57					
15	256QAM	75	0	17.61	17.61	17.67	17.67	17.68					
Channel													
Frequency (MHz)				39790	40189	40620	41080	41490	un-def		MPR (dB)		
20	QPSK	1	0	22.50	22.47	22.53	22.63	22.65					
20	QPSK	1	25	22.52	22.47	22.47	22.41	22.45		24	00		
20	QPSK	1	49	22.56	22.50	22.62	22.62	22.68					
20	QPSK	25	0	21.51	21.66	21.56	21.57	21.55					
20	QPSK	25	12	21.52	21.58	21.58	21.51	21.65		23	1		
20	QPSK	25	25	21.53	21.64	21.64	21.44	21.57					
20	QPSK	50	0	21.53	21.65	21.64	21.64	21.57					
20	16QAM	1	0	21.35	21.52	21.37	21.38	21.35					
20	16QAM	1	25	21.48	21.57	21.53	21.55	21.50		23	1		
20	16QAM	1	49	21.41	21.57	21.45	21.42	21.51					
20	16QAM	25	0	20.52	20.56	20.56	20.51	20.51					
20	16QAM	25	12	20.36	20.51	20.38	20.35	20.45		22	2		
20	16QAM	25	25	20.46	20.44	20.37	20.45	20.39					
20	16QAM	50	0	20.50	20.56	20.44	20.47	20.52					
20	16QAM	50	25	20.46	20.46	20.46	20.46	20.46		22	2		
20	16QAM	1	25	20.44	20.43	20.40	20.50	20.42					
20	16QAM	1	49	20.54	20.58	20.39	20.48	20.50					
20	16QAM	25	0	19.59	19.54	19.55	19.57	19.52					
20	16QAM	25	12	19.79	19.61	19.74	19.71	19.71		21	3		
20	16QAM	25	25	19.59	19.60	19.60	19.60	19.67					
20	16QAM	50	0	19.50	19.53	19.54	19.47	19.47					
20	256QAM	1	0	17.70	17.65	17.67	17.74	17.61					
20	256QAM	1	25	17.58	17.65	17.62	17.67	17.55		19	5		
20	256QAM	1	49	17.59	17.67	17.64	17.44	17.44					
20	256QAM	25	0	17.42	17.40	17.47	17.35	17.37					
20	256QAM	25	12	17.52	17.67	17.63	17.65	17.55		19	5		
20	256QAM	25	25	17.67	17.59	17.45	17.54	17.59					
20	256QAM	50	0	17.56	17.62	17.62	17.57	17.59					
Frequency (MHz)				25495	25493	25593	25630	25675	un-def		MPR (dB)		
5	QPSK	1	0	22.54	22.57	22.54	22.66	22.53					
5	QPSK	1	12	22.44	22.52	22.44	22.43	22.49		24	00		
5	QPSK	1	25	22.52	22.47	22.47	22.50	22.50					
5	QPSK	12	0	21.46	21.60	21.60	21.58	21.50		23	1		
5	QPSK	12	7	21.48	21.50	21.63	21.59	21.62					
5	QPSK	12	13	21.56	21.54	21.44	21.40	21.47					
5	QPSK	25	0	21.64	21.59	21.63	21.53	21.58					
5	16QAM	1	0	21.42	21.49	21.49	21.49	21.49		23	1		
5	16QAM	1	12	21.42	21.49	21.41	21.54	21.39					
5	16QAM	1	24	21.41	21.50	21.49	21.39	21.41					
5	16QAM	12	0	20.53	20.57	20.63	20.52	20.58					
5	16QAM	12	7	20.36	20.53	20.48	20.32	20.44		22	2		
5	16QAM	12	13	20.43	20.57	20.57	20.47	20.46					
5	16QAM	25	0	20.39	20.53	20.59	20.50	20.55					
5	16QAM	1	0	20.62	20.59	20.54	20.55	20.53					
5	16QAM	1	12	20.37	20.33	20.42	20.45	20.45		22	2		
5	16QAM	1	24	20.37	20.37	20.47	20.45	20.47					
5	16QAM	12	0	19.88	19.88	19.56	19.51	19.57					
5	16QAM	12	7	19.73	19.85	19.77	19.73	19.70		21	3		
5	16QAM	12	13	19.59	19.52	19.66	19.60	19.65					
5	16QAM	25	0	19.46	19.60	19.50	19.55	19.46					
5	16QAM	25	7	17.63	17.63	17.63	17.63	17.63		19	5		
5	256QAM	1	12	17.63	17.65	17.64	17.67	17.53					
5	256QAM	1	24	17.64	17.51	17.52	17.42	17.42					
5	256QAM	12	0	17.45	17.53	17.43	17.39	17.47					
5	256QAM	12	7	17.54	17.63	17.54	17.47	17.54					
5	256QAM	12	13	17.64	17.50	17.47	17.60	17.56		19	5		
5	256QAM	25	0	17.59	17.63	17.58	17.63	17.61					

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 (dB)
Channel				20850	21000	21500	Tune-up limit (dBm)	MPR (dB)
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	20.48	20.65	20.55	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	21	2
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	16.66	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	Tune-up limit (dBm)	MPR (dB)
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.48	21.50	21.52	23	0
15	QPSK	1	37	21.53	21.50	21.56		
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	20.38	20.40		
15	16QAM	1	37	20.47	20.56	20.48		
15	16QAM	1	74	20.51	20.63	20.66	22	1
15	16QAM	36	0	19.50	19.75	19.47		
15	16QAM	36	20	19.34	19.61	19.38		
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	18.71	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	16.56	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	Tune-up limit (dBm)	MPR (dB)
Channel				20800	21000	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2500	2535	2565	Tune-up limit (dBm)	MPR (dB)
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	20.46	20.46		
10	QPSK	50	0	20.65	20.59	20.52	22	1
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	22	1
10	16QAM	25	0	19.60	19.74	19.59		
10	16QAM	25	12	19.40	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	Tune-up limit (dBm)	MPR (dB)
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
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	20.40	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	18	5
5	64QAM	12	13	18.66	18.56	18.70		
5	64QAM	25	0	18.44	18.65	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	Tune-up limit (dBm)	MPR (dB)
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)

Band 38 Ant 3 DS14												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High 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												
Frequency (MHz)												
20	QPSK	1	0	21.48	21.52	21.44						
20	QPSK	1	49	21.49	21.47	21.41						
20	QPSK	1	99	21.40	21.46	21.42						
20	QPSK	50	0	20.51	20.59	20.56						
20	QPSK	50	24	20.53	20.57	20.57						
20	QPSK	50	50	20.51	20.39	20.48						
20	QPSK	100	0	20.61	20.62	20.57						
20	16QAM	1	0	20.47	20.51	20.36						
20	16QAM	1	49	20.52	20.63	20.44						
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	19.36	19.50						
20	16QAM	100	0	19.72	19.56	19.52						
20	16QAM	1	0	19.63	19.66	19.49						
20	16QAM	1	49	19.37	19.50	19.53						
20	16QAM	1	99	19.70	19.65	19.52						
20	16QAM	50	0	18.74	18.70	18.74						
20	16QAM	50	24	18.86	18.63	18.85						
20	16QAM	50	50	18.70	18.64	18.71						
20	16QAM	100	0	18.40	18.68	18.40						
20	256QAM	1	0	18.78	18.62	18.62						
20	256QAM	1	49	18.74	18.70	18.74						
20	256QAM	1	99	18.57	18.59	18.53						
20	256QAM	50	0	18.36	18.63	18.40						
20	256QAM	50	24	18.63	18.55	18.68						
20	256QAM	50	50	18.77	18.64	18.61						
20	256QAM	100	0	16.80	16.70	16.68						
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.44	21.34	21.36						
15	QPSK	1	74	21.44	21.43	21.30						
15	QPSK	36	0	20.50	20.59	20.59						
15	QPSK	36	20	20.38	20.43	20.42						
15	QPSK	36	50	20.32	20.44	20.44						
15	QPSK	75	0	20.48	20.49	20.42						
15	16QAM	1	0	20.38	20.26	20.27						
15	16QAM	1	37	20.46	20.57	20.34						
15	16QAM	1	74	20.42	20.56	20.50						
15	16QAM	36	0	19.43	19.55	19.38						
15	16QAM	36	20	19.36	19.52	19.26						
15	16QAM	36	39	19.27	19.25	19.47						
15	16QAM	75	0	19.42	19.56	19.46						
15	16QAM	75	0	19.42	19.56	19.46						
15	16QAM	1	37	19.34	19.47	19.47						
15	16QAM	1	74	19.47	19.52	19.38						
15	16QAM	36	0	18.67	18.48	18.45						
15	16QAM	36	20	18.70	18.49	18.65						
15	16QAM	36	39	18.52	18.53	18.51						
15	16QAM	75	0	18.42	18.55	18.35						
15	256QAM	1	0	18.66	18.50	18.69						
15	256QAM	1	37	18.50	18.56	16.52						
15	256QAM	1	74	18.36	18.46	18.36						
15	256QAM	36	0	16.27	16.47	16.23						
15	256QAM	36	20	16.59	16.52	16.54						
15	256QAM	36	39	16.52	16.54	16.36						
15	256QAM	75	0	16.60	16.61	16.60						
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.41	21.35	21.31						
10	QPSK	1	25	21.35	21.49	21.38						
10	QPSK	1	49	21.32	21.43	21.32						
10	QPSK	25	0	20.58	20.67	20.57						
10	QPSK	25	12	20.42	20.56	20.52						
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	20.29	20.34						
10	16QAM	1	25	20.36	20.45	20.43						
10	16QAM	1	49	20.37	20.57	20.53						
10	16QAM	25	0	19.46	19.62	19.52						
10	16QAM	25	12	19.36	19.66	19.29						
10	16QAM	25	25	19.32	19.35	19.47						
10	16QAM	50	0	19.57	19.67	19.33						
10	16QAM	1	0	19.55	19.60	19.49						
10	16QAM	1	25	19.34	19.46	19.42						
10	16QAM	1	49	19.58	19.51	19.37						
10	16QAM	25	0	18.60	18.47	18.39						
10	16QAM	25	12	18.76	18.52	18.70						
10	16QAM	25	25	18.57	18.50	18.65						
10	16QAM	50	0	18.40	18.40	18.31						
10	256QAM	1	0	16.66	16.55	16.76						
10	256QAM	1	25	16.51	16.53	16.55						
10	256QAM	1	49	18.47	18.54	18.51						
10	256QAM	25	0	16.26	16.42	16.24						
10	256QAM	25	12	16.56	16.56	16.56						
10	256QAM	25	25	16.59	16.41	16.49						
10	256QAM	50	0	16.66	16.62	16.50						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.49	21.40	21.43						
5	QPSK	1	12	21.41	21.37	21.29						
5	QPSK	1	24	21.47	21.44	21.45						
5	QPSK	12	0	20.45	20.65	20.45						
5	QPSK	12	7	20.43	20.45	20.47						
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						
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						
5	16QAM	12	13	19.33	19.30	19.47						
5	16QAM	25	0	18.48	18.52	18.44						
5	16QAM	1	0	19.53	19.57	19.41						
5	16QAM	1	12	19.27	19.37	19.35						
5	16QAM	1	24	19.53	19.47	19.31						
5	16QAM	12	0	18.61	18.52	18.38						
5	16QAM	12	7	18.78	18.54	18.70						
5	16QAM	12	13	18.57	18.55	18.62						
5	16QAM	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						
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	16.54						
5	256QAM	12	13	16.52	16.49	16.39						
5	256QAM	25	0	16.69	16.53	16.62						

Band 41 Ant 3 DS14												
BW [MHz]	Modulate on	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	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	21.39	21.40	23	0
20	QPSK	1	49	21.53	21.53	21.46	21.42	21.46				
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				
20	QPSK	100	0	20.56	20.55	20.64	20.57	20.55				
20	16QAM	1	0	20.46	20.53	20.47	20.44	20.47				
20	16QAM	1	49	20.57	20.59	20.56	20.65	20.58				
20	16QAM	1	99	20.69	20.69	20.68	20.78	20.71				
20	16QAM	50	0	19.85	19.72	19.79	19.78	19.78				
20	16QAM	50	24	19.99	19.97	19.62	19.58	19.67				
20	16QAM	50	50	19.34	19.32	19.36	19.35	19.38				
20	16QAM	100	0	19.49	19.61	19.61	19.54	19.61				
20	16QAM	1	19.59	19.59	19.70	19.70	19.70	19.70				
20	16QAM	1	49	19.50	19.50	19.48	19.51	19.48				
20	16QAM	1	99	19.72	19.64	19.62	19.66	19.69				
20	16QAM	50	0	18.48	18.59	18.52	18.47	18.53				
20	16QAM	50	24	18.85	18.63	18.69	18.61	18.55				
20	16QAM	50	50	18.69	18.64	18.63	18.60	18.60				
20	16QAM	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				
20	256QAM	1	49	16.77	16.67	16.72	16.68	16.73				
20	256QAM	1	99	16.69	16.66	16.66	16.66	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				
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				
Channel												
Frequency (MHz)				25055	25483	25933	26378	26825		Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.44	21.44	21.39	21.42	21.41	21.39	21.40	23.00	0
5	QPSK	1	37	21.33	21.39	21.40	21.31	21.33				
5	QPSK	1	74	21.35	21.42	21.42	21.56	21.38	21.29			
5	QPSK	36	0	20.54	20.54	20.58	20.51	20.57				
5	QPSK	36	20	20.55	20.57	20.59	20.51	20.46				
5	QPSK	36	39	20.22	20.24	20.24	20.31	20.29				
5	QPSK	75	0	20.48	20.58	20.60	20.53	20.47				
5	16QAM	1	0	20.49	20.49	20.49	20.49	20.49				
5	16QAM	1	37	20.47	20.55	20.54	20.61	20.59				
5	16QAM	1	74	20.48	20.60	20.58	20.60	20.63				
5	16QAM	36	0	19.89	19.85	19.58	19.59	19.61				
5	16QAM	36	39	19.59	19.59	19.59	19.61	19.55				
5	16QAM	36	74	19.35	19.35	19.31	19.29	19.30				
5	16QAM	75	0	19.45	19.53	19.44	19.50	19.47				
5	16QAM	1	0	19.55	19.59	19.56	19.58	19.54				
5	16QAM	1	37	19.38	19.42	19.40	19.33	19.38				
5	16QAM	1	74	19.47	19.47	19.42	19.52	19.48				
5	16QAM	36	0	18.36	18.49	18.37	18.45	18.43				
5	16QAM	36	20	18.53	18.51	18.60	18.58	18.57				
5	16QAM	36	39	18.59	18.61	18.51	18.48	18.51				
5	16QAM	75	0	18.59	18.50	18.58	18.65	18.58				
5	16QAM	1	0	16.46	16.53	16.48	16.50	16.38				
5	256QAM	1	37	16.66	16.61	16.64	16.52	16.57				
5	256QAM	1	74	16.48	16.50	16.48	16.45	16.53				
5	256QAM	36	0	16.51	16.49	16.43	16.58	16.49				
5	256QAM	36	39	16.45	16.53	16.48	16.50	16.38				
5	256QAM	36	74	16.58	16.53	16.58	16.49	16.61				
5	256QAM	75	0	16.55	16.65	16.66	16.55	16.63				
Channel												
Frequency (MHz)				39790	40186	40620	41089	41563		Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.43	21.47	21.53	21.40	21.40	21.39	21.40	23.00	0
10	QPSK	1	25	21.43	21.44	21.34	21.32	21.32	21.39			
10	QPSK	1	49	21.32	21.43	21.32	21.31	21.31	21.32			
10	QPSK	25	0	20.58	20.63	20.61	20.48	20.46				
10	QPSK	25	12	20.45	20.57	20.54	20.53	20.49				
10	QPSK	25	19	20.32	20.34	20.34	20.34	20.34				
10	QPSK	50	0	20.44	20.51	20.47	20.58	20.54				
10	16QAM	1	0	20.48	20.40	20.42	20.46	20.42				
10	16QAM	1	25	20.50	20.60	20.58	20.58	20.47				
10	16QAM	1	49	20.52	20.52	20.52	20.52	20.52				
10	16QAM	25	0	19.70	19.55	19.63	19.60	19.60				
10	16QAM	25	12	19.52	19.55	19.57	19.60	19.50				
10	16QAM	25	19	19.34	19.25	19.31	19.27	19.51				
10	16QAM	50	0	19.52	19.40	19.50	19.52	19.51				
10	16QAM	50	12	19.52	19.42	19.52	19.57	19.54				
10	16QAM	1	25	19.35	19.37	19.41	19.37	19.45				
10	16QAM	1	49	19.53	19.49	19.63	19.50	19.59				
10	16QAM	25	0	18.46	18.50	18.46	18.40	18.51				
10	16QAM	25	12	18.50	18.49	18.49	18.49	18.51				
10	16QAM	25	19	18.50	18.52	18.51	18.47	18.51				
10	16QAM	50	0	18.62	18.60	18.61	18.54	18.61				
10	256QAM	1	0	16.54	16.49	16.57	16.50	16.48				
10	256QAM	1	25	16.59	16.67	16.64	16.57	16.67				
10	256QAM	1	49	16.64	16.49	16.48	16.57	16.64				
10	256QAM	25	0	16.48	16.59	16.52	16.47	16.55				
10	256QAM	25	12	16.38	16.40	16.47	16.52	16.46				
10	256QAM	25	19	16.53	16.59	16.49	16.58	16.52				
10	256QAM	50	0	16.59	16.68	16.54	16.61	16.58				
Channel												
Frequency (MHz)				24985	25458	25933	264030	26875		Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.42	21.44	21.48	21.41	21.37				
5	QPSK	1	12	21.40	21.44	21.44	21.35	21.29				
5	QPSK	1	24	21.43	21.44	21.44	21.33	21.39				
5	QPSK	12	0	20.59	20.62	20.58	20.56	20.52				
5	QPSK	12	7	20.47	20.54	20.49	20.54	20.55				
5	QPSK	12	13	20.23	20.38	20.32	20.35	20.24				
5	QPSK	25	0	20.59	20.46	20.52	20.56	20.50				
5	QPSK	25	7	20.47	20.45	20.47	20.47	20.47				
5	16QAM	1	12	20.46	20.53	20.49	20.46	20.50				
5	16QAM	1	24	20.53	20.48	20.54	20.63	20.61				
5	16QAM	12	0	19.70	19.61	19.60	19.64	19.67				
5	16QAM	12	7	19.43	19.42	19.42	19.48	19.47				
5	16QAM	12	13	19.22	19.34	19.36	19.24	19.32				
5	16QAM	25	0	19.39	19.51	19.51	19.47	19.48				
5	16QAM	1	0	19.53	19.61	19.57	19.58	19.60				
5	16QAM	1	12	19.43	19.32	19.34	19.38	19.40				
5	16QAM	1	24	19.43	19.52	19.47	19.49	19.53				
5	16QAM	12	0	18.50	18.45	18.51	18.36	18.44				
5	16QAM	12	7	18.53	18.53	18.48	18.48	18.56				
5	16QAM	12	13	18.60	18.46	18.60	18.54	18.47				
5	16QAM	25	0	18.52	18.59	18.51	18.62	18.64				
5	16QAM	1	0	16.57	16.66	16.64	16.59	16.66				
5	256QAM	1	12	16.57	16.60	16.55	16.61	16.58				
5	256QAM	1	24	16.42	16.43	16.49	16.52	16.51				
5	256QAM	12	0	16.56	16.59	16.50	16.48	16.48				
5	256QAM	12	7	16.49	16.49	16.49	16.49	16.49				
5	256QAM	12	13	16.49	16.60	16.52	16.54	16.51				
5	256QAM	25	0	16.63	16.64	16.63	16.52	16.56				

Band 42 Part 27Q Ant 7 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				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	22.68	22.70	22.73				24
20	QPSK	1	49	22.53	22.70	22.53				
20	QPSK	1	99	22.63	22.57	22.65				
20	QPSK	50	0	21.63	21.74	21.59	23	1		
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				
20	16QAM	1	99	21.60	21.64	21.67	22	2		
20	16QAM	50	0	20.71	20.70	20.75				
20	16QAM	50	24	20.48	20.39	20.42				
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	20.55	22	2		
20	64QAM	1	99	20.53	20.47	20.55				
20	64QAM	50	0	19.57	19.48	19.63	21	3		
20	64QAM	50	24	19.73	19.63	19.75				
20	64QAM	50	50	19.71	19.71	19.61				
20	64QAM	100	0	19.55	19.55	19.55	19	5		
20	256QAM	1	0	17.64	17.57	17.73				
20	256QAM	1	49	17.71	17.66	17.60				
20	256QAM	1	99	17.58	17.57	17.46	19	5		
20	256QAM	50	0	17.55	17.51	17.57				
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				3455	42590	43015	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	22.51	22.65	22.52				24
15	QPSK	1	37	22.40	22.50	22.48				
15	QPSK	1	74	22.64	22.46	22.64				
15	QPSK	36	0	21.46	21.59	21.59	23	1		
15	QPSK	36	20	21.51	21.52	21.49				
15	QPSK	36	39	21.46	21.36	21.32				
15	QPSK	75	0	21.66	21.59	21.45	23	1		
15	16QAM	1	0	21.26	21.31	21.38				
15	16QAM	1	37	21.44	21.31	21.51				
15	16QAM	1	74	21.54	21.49	21.55	22	2		
15	16QAM	36	0	20.53	20.67	20.63				
15	16QAM	36	20	20.33	20.41	20.41				
15	16QAM	36	39	20.49	20.41	20.34	22	2		
15	16QAM	75	0	20.46	20.43	20.47				
15	64QAM	1	0	20.60	20.49	20.54		22	2	
15	64QAM	1	37	20.39	20.34	20.34				
15	64QAM	1	74	20.33	20.42	20.32				
15	64QAM	36	0	19.53	19.46	19.54	21	3		
15	64QAM	36	20	19.64	19.66	19.65				
15	64QAM	36	39	19.66	19.53	19.51				
15	64QAM	75	0	19.45	19.38	19.38	19	5		
15	256QAM	1	0	17.67	17.58	17.64				
15	256QAM	1	37	17.67	17.65	17.49				
15	256QAM	1	74	17.50	17.45	17.42	19	5		
15	256QAM	36	0	17.34	17.37	17.45				
15	256QAM	36	20	17.54	17.58	17.69				
15	256QAM	36	39	17.37	17.41	17.55				
15	256QAM	75	0	17.46	17.62	17.54				
Channel				3455	42590	43040	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	22.54	22.71	22.57				24
10	QPSK	1	25	22.45	22.59	22.51				
10	QPSK	1	49	22.63	22.53	22.65				
10	QPSK	25	0	21.56	21.59	21.49	23	1		
10	QPSK	25	12	21.46	21.55	21.50				
10	QPSK	25	25	21.37	21.38	21.32				
10	QPSK	50	0	21.55	21.56	21.43	23	1		
10	16QAM	1	0	21.27	21.31	21.38				
10	16QAM	1	25	21.31	21.44	21.41				
10	16QAM	1	49	21.44	21.53	21.45	22	2		
10	16QAM	25	0	20.64	20.68	20.55				
10	16QAM	25	12	20.36	20.35	20.37				
10	16QAM	25	25	20.36	20.48	20.28	22	2		
10	16QAM	50	0	20.39	20.47	20.54				
10	64QAM	1	0	20.64	20.48	20.50		22	2	
10	64QAM	1	25	20.36	20.40	20.44				
10	64QAM	1	49	20.44	20.32	20.33	21	3		
10	64QAM	25	0	19.41	19.44	19.49				
10	64QAM	25	12	19.68	19.68	19.77				
10	64QAM	25	25	19.76	19.65	19.63	19	5		
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		19	5	
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				42116	42590	43068	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	22.66	22.61	22.54				24
5	QPSK	1	12	22.49	22.61	22.55				
5	QPSK	1	24	22.56	22.49	22.54				
5	QPSK	12	0	21.45	21.61	21.60	23	1		
5	QPSK	12	7	21.44	21.58	21.49				
5	QPSK	12	13	21.35	21.43	21.44				
5	QPSK	25	0	21.52	21.55	21.52	23	1		
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	22	2		
5	16QAM	12	7	20.31	20.34	20.29				
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	21	3		
5	64QAM	12	7	19.70	19.68	19.73				
5	64QAM	12	13	19.75	19.51	19.47				
5	64QAM	25	0	19.49	19.46	19.39	19	5		
5	256QAM	1	0	17.63	17.52	17.62				
5	256QAM	1	12	17.54	17.49	17.51				
5	256QAM	1	24	17.40	17.45	17.47	19	5		
5	256QAM	12	0	17.42	17.47	17.43				
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 DSI6

GSM850 Ant 0 DSI6							
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)		Tune-up Limit (dBm)
	TX Channel	128	198	251	128	198	251
Frequency (MHz)	854.2	856.4	848.8		854.2	856.4	848.8
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78
GPRS 1 Tx slot	32.74	32.95	32.88	33.50	23.74	23.85	23.88
GPRS 2 Tx slots	29.65	30.91	30.88	31.50	23.65	24.91	24.88
GPRS 3 Tx slots	28.18	29.33	29.31	30.00	23.90	25.07	25.05
GPRS 4 Tx slots	26.54	27.73	27.91	28.00	23.54	24.73	24.91
EDGE 1 Tx slot	25.65	26.45	26.71	27.00	18.65	17.45	17.71
EDGE 2 Tx slots	24.67	25.48	25.28	26.00	18.67	19.48	19.28
EDGE 3 Tx slots	23.14	23.92	23.91	24.50	18.88	19.66	19.65
EDGE 4 Tx slots	21.52	22.24	22.21	23.00	18.52	19.24	19.21

WCDMA V Ant 0 DSI6				
Band	WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel	4152	4192	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	836.4	836.4	846.5	
3GPP Rel 99 AMR 12.2kbps	22.53	22.62	22.56	24.00
3GPP Rel 99 RMC 12.2kbps	22.55	22.55	22.83	24.00
3GPP Rel 6 HSQPA Subtest-1	21.97	21.69	21.68	23.00
3GPP Rel 6 HSQPA Subtest-2	21.61	21.64	21.62	23.00
3GPP Rel 6 HSQPA Subtest-3	21.07	21.17	21.07	22.50
3GPP Rel 6 HSQPA Subtest-4	21.00	21.15	21.15	22.50
3GPP Rel 8 DC-HSQPA Subtest-1	21.53	21.63	21.64	23.00
3GPP Rel 8 DC-HSQPA Subtest-2	21.61	21.71	21.57	23.00
3GPP Rel 8 DC-HSQPA Subtest-3	21.03	21.11	21.08	22.50
3GPP Rel 8 DC-HSQPA 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.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-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	21.66	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	21.61	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	64QAM	1	0	20.63	20.61	20.68			
10	64QAM	1	25	20.60	20.57	20.58		22	2
10	64QAM	1	49	20.65	20.58	20.56			
10	64QAM	25	0	19.59	19.56	19.66			
10	64QAM	25	12	19.67	19.65	19.53			
10	64QAM	25	25	19.65	19.67	19.66		21	3
10	256QAM	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	17.65	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	19	22.45	22.48	22.39			
5	QPSK	1	24	22.40	22.35	22.47		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	20.56	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	64QAM	1	0	20.45	20.57	20.63			
5	64QAM	1	12	20.47	20.48	20.55		22	2
5	64QAM	1	24	20.51	20.42	20.39			
5	64QAM	12	0	19.47	19.40	19.59			
5	64QAM	12	7	19.61	19.57	19.45		21	3
5	64QAM	12	13	19.56	19.47	19.59			
5	64QAM	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	22.36	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	21.50	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	20.53			
3	16QAM	8	4	20.54	20.59	20.46		22	2
3	16QAM	8	7	20.46	20.54	20.58			
3	16QAM	15	0	20.51	20.61	20.59			
3	64QAM	1	0	20.50	20.56	20.59			
3	64QAM	1	8	20.51	20.39	20.54		22	2
3	64QAM	1	14	21.44	21.50	21.41			
3	64QAM	8	0	19.55	19.49	19.60			
3	64QAM	8	4	19.57	19.59	19.41		21	3
3	64QAM	8	7	19.50	19.52	19.46			
3	64QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.56	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	17.53	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	3	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	5	21.44	21.50	21.41			
1.4	16QAM	3	0	21.44	21.53	21.42		23	1
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	64QAM	1	0	20.59	20.54	20.63			
1.4	64QAM	1	3	20.42	20.54	20.58			
1.4	64QAM	1	5	20.57	20.46	20.50			
1.4	64QAM	3	0	20.52	20.52	20.45		22	2
1.4	64QAM	3	1	20.52	20.53	20.45			
1.4	64QAM	3	3	20.52	20.49	20.50			
1.4	64QAM	6	0	19.51	19.51	19.42		21	3
1.4	256QAM	1	0	17.57	17.55	17.39			
1.4	256QAM	1	3	17.46	17.61	17.62			
1.4	256QAM	1	5	17.57	17.56	17.58			
1.4	256QAM	3	0	17.58	17.58	17.64		19	5
1.4	256QAM	3	1	17.55	17.63	17.42			
1.4	256QAM	3	3	17.46	17.65	17.48			
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.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-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	21.52	21.47			
20	QPSK	50	24	21.48	21.49	21.47		22.9	0
20	QPSK	50	50	21.36	21.46	21.36			
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	21.45			
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	64QAM	1	0	20.60	20.56	20.57			
20	64QAM	1	49	20.55	20.44	20.49		22	0.9
20	64QAM	1	99	20.59	20.40	20.42			
20	64QAM	50	0	19.44	19.38	19.60			
20	64QAM	50	24	19.52	19.57	19.41		21	1.9
20	64QAM	50	50	19.54	19.54	19.57			
20	256QAM	1	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	37	21.36	21.42	21.26		22.9	0
15	QPSK	1	74	21.33	21.46	21.34			
15	QPSK	50	0	21.35	21.46	21.38			
15	QPSK	50	24	21.40	21.35	21.33		22.9	0
15	QPSK	36	39	21.31	21.43	21.32			
15	QPSK	75	0	21.34	21.41	21.31			
15	16QAM	1	0	21.26	21.31	21.26			
15	16QAM	1	37	21.24	21.31	21.28		22.9	0
15	16QAM	1	74	21.27	21.35	21.27			
15	16QAM	50	0	20.81	20.57	20.58			
15	16QAM	36	20	20.53	20.64	20.51		22	0.9
15	16QAM	36	39	20.41	20.47	20.57			
15	16QAM	75	0	20.44	20.60	20.57			
15	64QAM	1	0	20.59	20.67	20.57			
15	64QAM	1	37	20.55	20.40	20.50		22	0.9
15	64QAM	1	74	20.82	20.45	20.41			
15	64QAM	36	0	19.56	19.51	19.54			
15	64QAM	36	20	19.65	19.59	19.40		21	1.9
15	64QAM	36	39	19.61	19.50	19.50			
15	64QAM	75	0	19.53	19.50	19.50			
15	256QAM	1	0	17.51	17.57	17.42			
15	256QAM	1	37	17.58	17.58	17.52		19	3.9
15	256QAM	1	74	17.52	17.54	17.56			
15	256QAM	36	0	17.52	17.58	17.56			
15	256QAM	36	20	17.50	17.62	17.52		19	3.9
15	256QAM	36	39	17.68	17.68	17.47			
15	256QAM	75	0	17.50	17.52	17.52			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.27	21.44	21.37			
10	QPSK	1	25	21.38	21.45	21.35		22.9	0
10	QPSK	1	49	21.28	21.45	21.30			
10	QPSK	50	0	21.30	21.45	21.40		22.9	0
10	QPSK	50	25	21.26	21.33	21.31			
10	QPSK	50	50	21.30	21.47	21.29			
10	16QAM	1	0	21.27	21.42	21.35			
10	16QAM	1	25	21.33	21.40	21.32		22.9	0
10	16QAM	1	49	21.28	21.38	21.27			
10	16QAM	25	0	20.51	20.49	20.51			
10	16QAM	25	12	20.66	20.51	20.40		22	0.9
10	16QAM	25	25	20.53	20.55	20.61			
10	16QAM	50	0	20.47	20.53	20.49		22	0.9
10	16QAM	50	12	20.58	20.53	20.63			
10	16QAM	1	25	20.57	20.51	20.50		22	0.9
10	64QAM	1	49	20.47	20.44	20.47			
10	64QAM	25	0	19.41	19.52	19.55			
10	64QAM	25	12	19.52	19.55	19.49		21	1.9
10	64QAM	25	25	19.60	19.47	19.54			
10	256QAM	1	0	19.44	19.44	19.46			
10	256QAM	1	25	17.50	17.67	17.40			
10	256QAM	1	25	17.48	17.50	17.56		19	3.9
10	256QAM	1	49	17.57	17.53	17.49			
10	256QAM	25	0	17.58	17.45	17.51			
10	256QAM	25	12	17.64	17.64	17.50		19	3.9
10	256QAM	25	25	17.51	17.57	17.51			
10	256QAM	50	0	17.44	17.40	17.53			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.33	21.41	21.39			
5	QPSK	1	12	21.38	21.41	21.30		22.9	0
5	QPSK	1	24	21.34	21.35	21.30			
5	QPSK	12	0	21.33	21.46	21.30			
5	QPSK	12	7	21.36	21.36	21.31		22.9	0
5	QPSK	12	13	21.28	21.40	21.28			
5	QPSK	25	0	21.35	21.38	21.31			
5	16QAM	1	0	21.39	21.39	21.37			
5	16QAM	1	12	21.32	21.32	21.41		22.9	0
5	16QAM	1	24	21.25	21.43	21.28			
5	16QAM	12	0	20.55	20.59	20.44			
5	16QAM	12	7	20.53	20.49	20.52		22	0.9
5	16QAM	12	13	20.48	20.48	20.50			
5	16QAM	25	0	20.51	20.51	20.50			
5	16QAM	25	12	20.49	20.44	20.46		22	0.9
5	64QAM	1	12	20.45	20.54	20.50			
5	64QAM	1	24	20.49	20.42	20.46			
5	64QAM	12	0	19.57	19.39	19.62			
5	64QAM	12	7	19.52	19.59	19.48		21	1.9
5	64QAM	12	13	19.52	19.50	19.52			
5	64QAM	25	0	19.53	19.43	19.60			
5	256QAM	1	0	17.50	17.58	17.51			
5	256QAM	1	12	17.55	17.51	17.58		19	3.9
5	256QAM	1	24	17.51	17.51	17.49			
5	256QAM	12	0	17.56	17.52	17.51			
5	256QAM	12	7	17.47	17.47	17.44		19	3.9
5	256QAM	12	13	17.52	17.66	17.53			
5	256QAM	25	0	17.56	17.51	17.52			

Band 13 Ant 0 DS16										
BW [kHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23236			24	0		
Frequency (MHz)				762						
10	QPSK	1	0		22.71		23	1		
10	QPSK	1	25		22.60					
10	QPSK	1	49		22.38					
10	QPSK	25	0		21.68					
10	QPSK	25	12		21.62					
10	QPSK	25	25		21.53		23	1		
10	QPSK	50	0		21.67					
10	16QAM	1	0		21.60					
10	16QAM	1	25		21.51					
10	16QAM	1	49		21.56					
10	16QAM	25	0		20.88		22	2		
10	16QAM	25	12		20.67					
10	16QAM	25	25		20.54					
10	16QAM	50	0		20.56					
10	16QAM	1	0		20.69					
10	16QAM	1	25		20.58		22	2		
10	16QAM	1	49		20.58					
10	16QAM	25	0		19.49					
10	16QAM	25	12		19.57					
10	16QAM	25	25		19.69					
10	16QAM	50	0		19.57		21	3		
10	256QAM	1	0		17.69					
10	256QAM	1	25		17.64					
10	256QAM	1	49		17.67					
10	256QAM	25	0		17.67					
10	256QAM	25	12		17.73		19	5		
10	256QAM	25	25		17.73					
10	256QAM	25	25		17.69					
10	256QAM	50	0		17.55					
Channel				23205	23239	23255				Tune-up limit (dBm)
Frequency (MHz)				779.5	762	764.5	24	0		
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			
5	QPSK	12	13		22.42	22.53	22.61	23	1	
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			
5	16QAM	1	24		21.41	21.46	21.42			
5	16QAM	12	0		21.49	21.48	21.36	22	2	
5	16QAM	12	7		21.54	21.56	21.44			
5	16QAM	12	13		21.43	21.60	21.50			
5	16QAM	25	0		20.50	20.41	20.52			
5	16QAM	25	0		20.50	20.46	20.58			
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		20.59	20.56	20.48			
5	16QAM	12	7		20.59	20.50	20.49			
5	16QAM	12	13		20.48	20.52	20.46			
5	16QAM	25	0		19.50	19.56	19.45	21	3	
5	256QAM	1	0		17.57	17.57	17.44			
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	17.46	19	5	
5	256QAM	12	13		17.53	17.61	17.53			
5	256QAM	25	0		17.42	17.47	17.63			

Band 17 Ant 0 DSI6									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760 23790 23800			24	0	
Frequency (MHz)				710 711 712					
10	QPSK	1	0	22.61	22.67	22.58	23	1	
10	QPSK	1	25	22.42	22.60	22.54			
10	QPSK	1	49	22.59	22.45	22.51			
10	QPSK	25	0	21.57	21.65	21.61			
10	QPSK	25	12	21.55	21.62	21.57			
10	QPSK	25	25	21.59	21.59	21.59	22	2	
10	QPSK	50	0	21.61	21.63	21.59			
10	16QAM	1	0	21.54	21.67	21.48			
10	16QAM	1	25	21.58	21.55	21.59			
10	16QAM	1	49	21.63	21.54	21.61			
10	16QAM	25	0	20.65	20.66	20.51	21	3	
10	16QAM	25	12	20.61	20.71	20.59			
10	16QAM	25	25	20.55	20.63	20.67			
10	16QAM	50	0	20.60	20.62	20.66			
10	16QAM	1	0	20.67	20.56	20.65			
10	16QAM	25	0	20.39	20.39	20.54	22	2	
10	16QAM	1	49	20.66	20.66	20.52			
10	16QAM	25	0	19.60	19.58	19.62			
10	16QAM	25	12	19.71	19.61	19.54			
10	16QAM	25	25	19.66	19.55	19.71			
10	16QAM	50	0	19.75	19.53	19.50	21	3	
10	256QAM	1	0	17.70	17.67	17.58			
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	17.75	17.59	17.59	19	5	
10	256QAM	25	25	17.68	17.72	17.63			
10	256QAM	50	0	17.53	17.56	17.70			
Channel				23755 23790 23825			Tune-up limit (dBm)		
Frequency (MHz)				708.5 710 713.5			24	0	
5	QPSK	1	0	22.43	22.58	22.47			
5	QPSK	1	12	22.42	22.47	22.42	23	1	
5	QPSK	1	24	22.52	22.41	22.51			
5	QPSK	12	0	21.51	21.53	21.63			
5	QPSK	12	7	21.54	21.52	21.45			
5	QPSK	12	13	21.55	21.41	21.55			
5	QPSK	25	0	21.51	21.60	21.46	23	1	
5	16QAM	1	0	21.41	21.56	21.43			
5	16QAM	1	12	21.49	21.38	21.57			
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	20.49			
5	16QAM	1	24	20.52	20.51	20.47	21	3	
5	16QAM	12	0	19.53	19.49	19.56			
5	16QAM	12	7	19.64	19.53	19.42			
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	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			
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 DS16												
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20715 20765 20765			24	0				
Frequency (MHz)				821.5 831.5 841.5								
15	QPSK	1	0	22.48	22.49	22.44	23	1				
15	QPSK	1	37	22.31	22.45	22.32						
15	QPSK	1	74	22.46	22.41	22.44						
15	QPSK	36	0	21.55	21.57	21.53						
15	QPSK	36	20	21.51	21.55	21.47						
15	QPSK	36	39	21.51	21.55	21.52	22	2				
15	QPSK	75	0	21.54	21.56	21.54						
15	16QAM	1	0	21.46	21.48	21.38						
15	16QAM	1	37	21.48	21.39	21.47						
15	16QAM	1	74	21.51	21.38	21.48						
15	16QAM	36	0	20.59	20.51	20.50	21	5				
15	16QAM	36	20	20.65	20.53	20.39						
15	16QAM	36	39	20.51	20.48	20.58						
15	16QAM	75	0	20.43	20.54	20.52						
15	16QAM	1	0	20.35	20.50	20.50						
15	16QAM	1	37	20.35	20.50	20.50	22	2				
15	16QAM	1	74	20.35	20.50	20.52						
15	16QAM	36	0	20.52	20.50	20.41						
15	16QAM	36	0	19.60	19.42	19.60						
15	16QAM	36	20	19.64	19.60	19.38						
15	16QAM	36	39	19.67	19.59	19.54	21	5				
15	16QAM	75	0	19.60	19.48	19.43						
15	256QAM	1	0	17.48	17.58	17.41						
15	256QAM	1	37	17.52	17.63	17.63						
15	256QAM	1	74	17.44	17.56	17.50						
15	256QAM	36	0	17.60	17.60	17.61	19	5				
15	256QAM	36	20	17.59	17.59	17.55						
15	256QAM	36	39	17.41	17.62	17.51						
15	256QAM	75	0	17.47	17.39	17.50						
Channel				20740 20885 20885 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>						Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819 831.5 844 <th rowspan="2">24</th> <th rowspan="2">0</th> <th rowspan="2"></th>			24	0				
Frequency (MHz)				22.36 22.38 22.42								
10	QPSK	1	0	22.36	22.38	22.42	23	1				
10	QPSK	1	25	22.21	22.33	22.21						
10	QPSK	1	49	22.35	22.34	22.36						
10	QPSK	25	0	21.37	21.45	21.37						
10	QPSK	25	12	21.35	21.46	21.32						
10	QPSK	25	25	21.37	21.36	21.34	22	2				
10	QPSK	50	0	21.41	21.37	21.41						
10	16QAM	1	0	21.43	21.44	21.37						
10	16QAM	1	25	21.39	21.43	21.43						
10	16QAM	1	49	21.33	21.36	21.35						
10	16QAM	25	0	20.53	20.45	20.33	21	3				
10	16QAM	25	12	20.44	20.41	20.37						
10	16QAM	25	25	20.37	20.48	20.42						
10	16QAM	50	0	20.41	20.38	20.40						
10	16QAM	1	0	20.41	20.38	20.40						
10	64QAM	1	25	20.47	20.32	20.40	22	2				
10	64QAM	1	49	20.53	20.46	20.38						
10	64QAM	25	0	19.46	19.32	19.48						
10	64QAM	25	12	19.55	19.39	19.34						
10	64QAM	25	25	19.46	19.36	19.35						
10	64QAM	50	0	19.47	19.42	19.41	19	5				
10	256QAM	1	0	17.40	17.52	17.36						
10	256QAM	1	25	17.43	17.39	17.52						
10	256QAM	1	49	17.40	17.36	17.35						
10	256QAM	1	74	17.41	17.37	17.55						
10	256QAM	25	12	17.50	17.41	17.32	23	1				
10	256QAM	25	25	17.43	17.48	17.47						
10	256QAM	50	0	17.47	17.28	17.46						
Channel				20715 20885 20715 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>						Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5 831.5 840.5 <th rowspan="2">24</th> <th rowspan="2">0</th> <th rowspan="2"></th>						24	0	
Frequency (MHz)				22.40 22.42 22.40								
5	QPSK	1	0	22.35	22.40	22.40	23	1				
5	QPSK	1	25	22.36	22.39	22.39						
5	QPSK	1	24	22.36	22.22	22.43						
5	QPSK	12	0	21.41	21.56	21.53						
5	QPSK	12	7	21.45	21.36	21.30						
5	QPSK	12	14	21.43	21.41	21.39	22	2				
5	QPSK	12	21	21.40	21.41	21.48						
5	16QAM	1	0	21.41	21.44	21.22						
5	16QAM	1	12	21.32	21.34	21.41						
5	16QAM	1	24	21.38	21.39	21.39						
5	16QAM	12	0	20.44	20.51	20.31	21	3				
5	16QAM	12	7	20.53	20.48	20.38						
5	16QAM	12	13	20.39	20.34	20.39						
5	16QAM	25	0	20.39	20.35	20.41						
5	64QAM	1	0	20.41	20.39	20.56						
5	64QAM	1	12	20.47	20.45	20.43	22	2				
5	64QAM	1	24	20.50	20.37	20.32						
5	64QAM	12	7	20.42	20.40	20.40						
5	64QAM	12	13	19.46	19.42	19.25						
5	64QAM	25	0	19.46	19.46	19.50						
5	256QAM	1	0	17.48	17.42	17.39	19	5				
5	256QAM	1	12	17.52	17.40	17.47						
5	256QAM	1	24	17.33	17.32	17.34						
5	256QAM	12	0	17.42	17.43	17.40						
5	256QAM	12	7	17.42	17.52	17.46						
5	256QAM	12	13	17.44	17.53	17.47	24	0				
5	256QAM	25	0	17.46	17.40	17.38						
Channel				20715 20885 20715 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>						Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5 831.5 847.5 <th rowspan="2">24<th rowspan="2">0</th><th rowspan="2"></th></th>						24 <th rowspan="2">0</th> <th rowspan="2"></th>	0	
Frequency (MHz)				22.33 22.35 22.36								
3	QPSK	1	0	22.34	22.43	22.28	23	1				
3	QPSK	1	8	22.29	22.33	22.38						
3	QPSK	1	14	22.36	22.23	22.37						
3	QPSK	8	0	21.34	21.46	21.40						
3	QPSK	8	7	21.38	21.43	21.41						
3	QPSK	8	14	21.35	21.45	21.42	22	2				
3	QPSK	15	0	21.43	21.43	21.23						
3	16QAM	1	8	21.36	21.33	21.42						
3	16QAM	1	14	21.42	21.35	21.43						
3	16QAM	8	4	20.44	20.41	20.35						
3	16QAM	8	7	20.41	20.38	20.47	21	3				
3	64QAM	1	0	20.47	20.43	20.44						
3	64QAM	1	8	20.43	20.39	20.38						
3	64QAM	1	14	20.41	20.42	20.38						
3	64QAM	8	0	19.37	19.41	19.54						
3	64QAM	8	4	19.54	19.47	19.30	24	0				
3	64QAM	8	7	19.44	19.49	19.49						
3	64QAM	15	0	19.54	19.33	19.36						
3	256QAM	1	8	17.39	17.45	17.31						
3	256QAM	1	8	17.35	17.45	17.35						
3	256QAM	1	14	17.39	17.36	17.33	19	5				
3	256QAM	8	4	17.45	17.46	17.52						
3	256QAM	8	7	17.43	17.51	17.37						
3	256QAM	8	14	17.31	17.47	17.45						
3	256QAM	15	0	17.37	17.36	17.42						
Channel				20897 20885 21033 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>			Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				814.7 831.5 843.3 <th rowspan="2">24<th rowspan="2">0</th><th rowspan="2"></th></th>			24 <th rowspan="2">0</th> <th rowspan="2"></th>	0				
Frequency (MHz)				22.39 22.28 22.28								
1.4	QPSK	1	3	22.09	22.20	22.08	23	1				
1.4	QPSK	1	5	22.29	22.07	22.08						
1.4	QPSK	3	3	22.29	22.23	22.22						
1.4	QPSK	3	5	22.29	22.23	22.24						
1.4	QPSK	6	0	21.26	21.35	21.39						
1.4	16QAM	1	0	21.33	21.32	21.20	22	2				
1.4	16QAM	1	3	21.25	21.13	21.38						
1.4	16QAM	1	5	21.26	21.27	21.24						
1.4	16QAM	3	0	21.21	21.41	21.17						
1.4	16QAM	3	1	21.35	21.33	21.29						
1.4	16QAM	3	3	21.27	21.39	21.32	21	3				
1.4	16QAM	6	0	20.33	20.31	20.22						
1.4	16QAM	6	3	20.38	20.34	20.46						
1.4	64QAM	1	3	20.14	20.30	20.30						
1.4	64QAM	1	5	20.33	20.29	20.32						
1.4	64QAM	3	0	20.25	20.27	20.18	22	2				
1.4	64QAM	3	1	20.31	20.38	20.25						
1.4	64QAM	3	3	20.32	20.28	20.37						
1.4	256QAM	6	0	19.26	19.26	19.21						
1.4	256QAM	1	0	17.37	17.31	17.15						
1.4	256QAM	1	3	17.26	17.36	17.37	19	5				
1.4	256QAM	1	5	17.40	17.29	17.37						
1.4	256QAM	3	0	17.44	17.25	17.50						
1.4	256QAM	3	1	17.35	17.37	17.12						
1.4	256QAM	3	3	17.25	17.47	17.35						
1.4	256QAM	6	0	17.18	17.37	17.40	24	0				

Band 38 Ant 0 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)				3760	3800	3816						
20	QPSK	1	0	22.49	22.96	22.46	24	0				
20	QPSK	1	49	22.33	22.45	22.33						
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	20	21.45	21.58	21.58						
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	20.50						
20	16QAM	50	24	20.61	20.61	20.41						
20	16QAM	50	50	20.38	20.44	20.59	22	2				
20	16QAM	100	0	20.56	20.60	20.47						
20	8QAM	1	0	20.50	20.50	20.57						
20	8QAM	1	49	20.50	20.51	20.52						
20	8QAM	1	99	20.53	20.43	20.53	22	2				
20	8QAM	50	0	19.47	19.46	19.48						
20	8QAM	50	24	19.56	19.63	19.48						
20	8QAM	50	50	19.48	19.53	19.48						
20	8QAM	100	0	19.58	19.46	19.41	21	3				
20	256QAM	1	0	17.51	17.66	17.47						
20	256QAM	1	49	17.56	17.54	17.55						
20	256QAM	1	99	17.42	17.58	17.55						
20	256QAM	50	0	17.48	17.49	17.54	19	5				
20	256QAM	50	24	17.60	17.63	17.40						
20	256QAM	50	50	17.49	17.65	17.46						
20	256QAM	100	0	17.47	17.51	17.48						
Channel												
Frequency (MHz)				3767.5	3800	3817.5	Time-up limit (dBm)	MPR (dB)				
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	22.16	22.16						
15	QPSK	36	0	21.39	21.40	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	21.46						
15	16QAM	1	0	21.35	21.50	21.22						
15	16QAM	1	37	21.35	21.30	21.43	23	1				
15	16QAM	1	74	21.36	21.34	21.40						
15	16QAM	36	0	20.52	20.45	20.37						
15	16QAM	36	20	20.46	20.46	20.36						
15	16QAM	36	39	20.36	20.36	20.47	22	2				
15	16QAM	75	0	20.47	20.38	20.48						
15	8QAM	1	0	20.47	20.48	20.45						
15	8QAM	1	37	20.39	20.36	20.38						
15	8QAM	1	74	20.46	20.36	20.35	22	2				
15	8QAM	36	0	19.41	19.40	19.54						
15	8QAM	36	20	19.47	19.47	19.28						
15	8QAM	36	39	19.44	19.45	19.43						
15	8QAM	75	0	19.56	19.46	19.46	21	3				
15	256QAM	1	0	17.44	17.56	17.29						
15	256QAM	1	37	17.45	17.54	17.43						
15	256QAM	1	74	17.38	17.39	17.45						
15	256QAM	36	0	17.40	17.43	17.42	19	5				
15	256QAM	36	20	17.48	17.53	17.36						
15	256QAM	36	39	17.48	17.53	17.34						
15	256QAM	75	0	17.36	17.28	17.33						
Channel												
Frequency (MHz)				3760	3800	3820	Time-up limit (dBm)	MPR (dB)				
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	21.42						
10	16QAM	1	49	21.46	21.44	21.41	23	1				
10	16QAM	25	0	20.53	20.42	20.41						
10	16QAM	25	12	20.41	20.43	20.32						
10	16QAM	25	25	20.38	20.44	20.50						
10	16QAM	50	0	20.41	20.46	20.45	22	2				
10	8QAM	1	0	20.41	20.47	20.56						
10	8QAM	1	25	20.46	20.44	20.43						
10	8QAM	1	49	20.47	20.36	20.29						
10	8QAM	25	0	19.41	19.31	19.52	22	2				
10	8QAM	25	12	19.42	19.52	19.28						
10	8QAM	25	25	19.47	19.39	19.47						
10	8QAM	50	0	19.48	19.33	19.31						
10	256QAM	1	0	17.47	17.47	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	17.57	17.31	17.43						
Channel												
Frequency (MHz)				3777.5	3800	3822.5			Time-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.49	22.96	22.46	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	21.41	23	1				
5	QPSK	12	13	21.34	21.38	21.46						
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						
5	16QAM	12	13	20.41	20.46	20.53	22	2				
5	16QAM	25	0	20.42	20.39	20.48						
5	8QAM	1	0	20.37	20.36	20.40						
5	8QAM	1	12	20.32	20.43	20.45						
5	8QAM	1	24	20.49	20.32	20.49	22	2				
5	8QAM	12	0	19.41	19.37	19.49						
5	8QAM	12	7	19.49	19.43	19.25						
5	8QAM	12	13	19.40	19.42	19.37						
5	8QAM	25	0	19.54	19.43	19.32	21	3				
5	256QAM	1	0	17.43	17.44	17.31						
5	256QAM	1	12	17.45	17.47	17.54						
5	256QAM	1	24	17.45	17.40	17.34	19	5				
5	256QAM	12	0	17.37	17.38	17.50						
5	256QAM	12	7	17.45	17.40	17.38						
5	256QAM	12	13	17.47	17.41	17.41						

GSM850 Ant 1 DS8B									
GSM850 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		126	189	251	Limit		126	189	251
Frequency (MHz)		144.2	148.4	144.8			144.2	148.4	144.8
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	30.96	30.95	31.50	23.67	24.96	24.50	25.50
GPRS 3 Tx slots		28.12	29.97	28.88	30.00	23.86	24.71	24.62	25.14
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	16.47	19.27	19.32	20.00
EDGE 3 Tx slots		22.91	23.84	23.76	24.50	16.65	19.98	19.90	20.24
EDGE 4 Tx slots		21.23	22.16	22.18	23.00	16.23	19.16	19.16	20.00
GSM1900 Ant 1 DS8B									
GSM1900 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1852.2	1868	1868.8			1852.2	1868	1868.8
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	28.36	29.00	18.30	19.24	19.36	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	19.80	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		21.66	22.65	22.78	23.50	13.66	16.65	16.78	17.50
EDGE 3 Tx slots		20.05	21.05	21.14	22.00	13.75	16.75	16.88	17.74
EDGE 4 Tx slots		18.49	19.53	19.55	20.00	13.49	16.53	16.55	17.00
WCDMA II Ant 1 DS8B									
Band		WCDMA II Ant 1			WCDMA IV Ant 1			WCDMA V Ant 1 DS8B	
TX Channel		9262	9400	9538	Tune-up		1312	1413	1513
Rx Channel		9602	9800	9938	Limit		1537	1608	1708
Frequency (MHz)		1852.4	1860	1867.6			1712.4	1752.6	1752.6
3GPP Ref 99	AMR 12.2Kbps	18.76	18.78	18.75	19.80	18.71	18.81	18.75	20.20
3GPP Ref 99	RMC 12.2Kbps	18.78	18.81	18.77	19.80	18.84	18.86	18.81	20.20
3GPP Ref 6	HSDPA Subtest 1	17.65	17.91	17.68	18.80	17.53	17.88	19.20	21.57
3GPP Ref 6	HSDPA Subtest 2	17.87	17.81	17.92	18.80	17.88	17.83	19.20	21.62
3GPP Ref 6	HSDPA Subtest 3	17.19	17.45	17.39	18.30	17.30	17.41	17.42	18.70
3GPP Ref 6	HSDPA Subtest 4	17.31	17.47	17.35	18.30	17.18	17.41	17.47	18.70
3GPP Ref 6	DC-HSDPA Subtest 1	17.80	17.84	17.87	18.80	17.82	17.86	19.20	21.59
3GPP Ref 6	DC-HSDPA Subtest 2	17.99	17.95	17.77	18.80	17.99	18.04	17.74	19.20
3GPP Ref 6	DC-HSDPA Subtest 3	17.39	17.35	17.32	18.30	17.25	17.27	17.36	18.70
3GPP Ref 6	DC-HSDPA Subtest 4	17.24	17.41	17.23	18.30	17.23	17.45	17.29	18.70
3GPP Ref 6	HSPA Subtest 1	17.95	17.91	17.87	18.80	17.85	17.77	17.89	19.20
3GPP Ref 6	HSPA Subtest 2	15.76	15.84	15.92	16.80	15.71	15.92	15.98	17.20
3GPP Ref 6	HSPA Subtest 3	16.74	16.85	16.91	17.80	16.77	16.86	16.96	18.20
3GPP Ref 6	HSPA Subtest 4	15.70	15.82	15.88	16.80	15.74	15.92	15.75	17.20
3GPP Ref 6	HSPA Subtest 5	17.80	17.95	17.96	18.80	17.72	17.87	17.94	19.20



Band 2 Ant 1 DS16														
BW (MHz)	Modulation	RB Size (MHz)	RB Offset	Power Max (Ch./F.Freq.)	Power Min (Ch./F.Freq.)	Power Low (Ch./F.Freq.)	Time- int. (sec)	APRS (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.15	18.16	18.13			19.5	0				
20	QPSK	1	49	18.15	18.16	18.13								
20	QPSK	1	99	18.11	18.11	18.15								
20	QPSK	50	0	18.16	18.17	18.15								
20	QPSK	50	24	18.13	18.13	18.13								
20	QPSK	50	50	18.10	18.10	18.03								
20	QPSK	100	0	18.06	18.15	18.07								
20	QPSK	100	24	18.15	18.06	18.11								
20	16QAM	1	49	18.11	18.07	18.04								
20	16QAM	1	99	18.06	18.07	18.09								
20	16QAM	1	50	18.14	18.12	18.07								
20	16QAM	50	24	18.03	18.05	18.13								
20	16QAM	50	50	18.12	18.10	18.13								
20	16QAM	100	0	18.10	18.10	18.12								
20	16QAM	1	49	18.15	18.14	18.05			19.5	0				
20	16QAM	1	99	18.13	18.13	18.11								
20	16QAM	50	0	18.14	18.04	18.01								
20	16QAM	50	24	18.04	18.05	18.10								
20	16QAM	50	50	18.10	18.10	18.04								
20	16QAM	100	0	18.06	18.10	18.05								
20	16QAM	1	49	17.54	17.58	17.62			19	0.5				
20	16QAM	1	99	17.54	17.58	17.62								
20	16QAM	50	24	17.61	17.49	17.55								
20	16QAM	50	50	17.48	17.47	17.59								
20	16QAM	100	0	17.50	17.50	17.57			19	0.5				
20	16QAM	100	24	17.50	17.56	17.48								
Channel														
Frequency (MHz)														
16	QPSK	1	0	17.07	18.03	18.04			19.5	0				
16	QPSK	1	49	17.07	18.03	18.04								
16	QPSK	1	74	18.12	18.02	17.96								
16	QPSK	36	0	18.06	17.99	18.01								
16	QPSK	36	24	18.04	18.10	18.00			19.5	0.5				
16	QPSK	36	36	18.04	18.09	18.05								
16	QPSK	75	0	18.01	18.01	18.01								
16	QPSK	75	24	18.01	18.07	18.07								
16	16QAM	1	37	18.11	18.07	18.03			20	0				
16	16QAM	1	74	17.96	18.01	18.01								
16	16QAM	36	0	17.98	17.97	18.06			19.5	0				
16	16QAM	36	25	18.09	18.00	18.10								
16	16QAM	75	0	18.02	18.00	18.05								
16	16QAM	75	0	18.05	18.00	18.10			19.5	0				
16	16QAM	1	0	18.02	17.98	18.05								
16	16QAM	1	37	17.98	17.97	18.01			19.5	0				
16	16QAM	1	74	18.02	18.11	17.95								
16	16QAM	36	0	18.06	18.02	18.02			19.5	0				
16	16QAM	36	25	18.09	18.00	18.05								
16	16QAM	75	0	18.01	18.01	18.01			19.5	0				
16	16QAM	75	0	18.01	18.01	18.01								
16	16QAM	1	0	17.97	17.97	18.05			19	0.5				
16	16QAM	1	37	17.97	17.98	17.99								
16	16QAM	36	0	17.98	17.98	18.01			19	0.5				
16	16QAM	36	25	17.94	17.94	17.94								
16	16QAM	75	0	17.96	17.96	17.99			19	0.5				
16	16QAM	75	0	17.96	17.96	17.99								
Channel														
Frequency (MHz)														
16	QPSK	1	0	18.05	18.05	18.05			19.5	0				
16	QPSK	1	25	18.06	18.04	18.02								
16	QPSK	1	49	18.01	18.09	17.99			20	0				
16	QPSK	1	74	18.01	18.01	18.01								
16	QPSK	25	12	17.97	18.08	18.11			20	0				
16	QPSK	25	25	18.10	18.07	18.12								
16	16QAM	1	0	18.07	18.07	18.07			19.5	0				
16	16QAM	1	0	18.05	17.98	18.11								
16	16QAM	1	25	17.98	18.02	17.98			19.5	0				
16	16QAM	1	49	18.01	18.01	18.01								
16	16QAM	25	0	18.08	18.02	17.95			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.05	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16	16QAM	50	0	18.10	18.07	18.12								
16	16QAM	100	0	18.07	18.00	18.06			19.5	0				
16	16QAM	100	0	18.07	18.00	18.06								
16	16QAM	1	49	18.01	18.07	18.12			19.5	0				
16	16QAM	1	99	17.98	18.01	18.04								
16	16QAM	25	0	17.98	18.02	17.98			19.5	0				
16	16QAM	25	12	17.96	18.02	18.04								
16	16QAM	50	0	18.00	18.00	18.05			19.5	0				
16														

Band 13 Ant 1 DS16 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Inst. (dB)	MPER (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	22.28	22.47			
10	QPSK	25	0	21.54	21.54	21.53	23	1	
10	QPSK	25	12	21.48	21.51	21.30			
10	QPSK	25	25	21.32	21.42	21.43			
10	16QAM	1	0	21.47	21.48	21.38	23	1	
10	16QAM	1	25	21.45	21.52	21.41			
10	16QAM	1	49	21.39	21.48	21.44			
10	16QAM	25	0	20.38	20.49	20.35	22	2	
10	16QAM	25	12	20.31	20.49	20.29			
10	16QAM	25	25	20.15	20.45	20.45			
10	16QAM	50	0	20.58	20.62	20.45	22	2	
10	16QAM	1	0	20.30	20.43	20.47			
10	16QAM	1	25	20.46	20.45	20.45			
10	16QAM	1	49	20.41	20.53	20.37	22	2	
10	16QAM	25	0	19.47	19.52	19.47			
10	16QAM	25	12	19.38	19.41	19.38			
10	16QAM	25	25	19.38	19.38	19.35	21	3	
10	16QAM	50	0	19.45	19.35	19.35			
10	25QAM	1	0	17.54	17.67	17.61			
10	25QAM	1	25	17.48	17.48	17.57	19	5	
10	25QAM	1	49	17.42	17.43	17.49			
10	25QAM	25	0	17.38	17.38	17.55			
10	25QAM	25	12	17.45	17.43	17.55	19	5	
10	25QAM	25	25	17.53	17.48	17.38			
10	25QAM	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	12	22.39	22.44	22.38			
5	QPSK	1	24	22.35	22.41	22.37			
5	QPSK	12	0	21.33	21.54	21.42	23	1	
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	23	1	
5	16QAM	1	0	21.50	21.47	21.19			
5	16QAM	1	12	21.31	21.37	21.43			
5	16QAM	1	24	21.33	21.34	21.42	23	1	
5	16QAM	12	0	20.44	20.30	20.23			
5	16QAM	12	7	20.26	20.40	20.28			
5	16QAM	12	13	20.30	20.43	20.30	22	2	
5	16QAM	25	0	20.35	20.52	20.30			
5	16QAM	1	0	20.30	20.33	20.25			
5	16QAM	1	12	20.29	20.43	20.52	22	2	
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	21	3	
5	16QAM	12	13	19.35	19.35	19.50			
5	16QAM	25	0	19.48	19.33	19.23			
5	25QAM	1	0	17.54	17.56	17.59	19	5	
5	25QAM	1	12	17.32	17.43	17.54			
5	25QAM	1	24	17.29	17.38	17.38			
5	25QAM	12	0	17.32	17.28	17.54	19	5	
5	25QAM	12	7	17.39	17.34	17.33			
5	25QAM	12	13	17.31	17.37	17.38			
5	25QAM	25	0	17.48	17.26	17.48	19	5	

Band 17 Ant 1 DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Inst. (dB)	APRS (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.47	22.49	22.43	24	0	
10	QPSK	1	25	22.33	22.45	22.48			
10	QPSK	1	49	22.38	22.28	22.47			
10	QPSK	25	12	21.44	21.51	21.30	23	1	
10	QPSK	25	25	21.45	21.42	21.43			
10	QPSK	50	0	21.52	21.53	21.52			
10	16QAM	1	0	21.38	21.42	21.38	23	1	
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	20.49	20.35	22	2	
10	16QAM	25	12	20.45	20.51	20.29			
10	16QAM	25	25	20.25	20.45	20.45			
10	16QAM	50	0	20.45	20.62	20.45	22	2	
10	16QAM	1	0	20.40	20.43	20.47			
10	16QAM	1	25	20.47	20.45	20.45			
10	16QAM	1	49	20.39	20.53	20.37	22	2	
10	16QAM	25	0	19.40	19.52	19.47			
10	16QAM	25	12	19.53	19.41	19.59			
10	16QAM	25	25	19.51	19.45	19.54	21	3	
10	16QAM	50	0	19.58	19.35	19.35			
10	25QAM	1	0	17.58	17.67	17.61			
10	25QAM	1	25	17.55	17.48	17.57	19	5	
10	25QAM	1	49	17.48	17.43	17.49			
10	25QAM	25	0	17.37	17.38	17.55			
10	25QAM	25	12	17.49	17.43	17.55	19	5	
10	25QAM	25	25	17.39	17.48	17.38			
10	25QAM	50	0	17.43	17.45	17.55			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.42	22.38	22.45	24	0	
5	QPSK	1	12	22.22	22.41	22.34			
5	QPSK	12	0	21.44	21.54	21.42			
5	QPSK	12	7	21.42	21.48	21.38	23	1	
5	QPSK	12	13	21.35	21.30	21.42			
5	QPSK	25	0	21.42	21.41	21.53			
5	16QAM	1	0	21.30	21.37	21.18	23	1	
5	16QAM	1	12	21.38	21.39	21.43			
5	16QAM	1	24	21.52	21.45	21.49			
5	16QAM	12	0	20.52	20.37	20.28	22	2	
5	16QAM	12	7	20.34	20.44	20.30			
5	16QAM	12	13	20.38	20.30	20.53			
5	16QAM	25	0	20.40	20.42	20.43	22	2	
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	21	3	
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	19.43	19	5	
5	16QAM	25	0	19.51	19.39	19.15			
5	25QAM	1	0	17.61	17.55	17.54			
5	25QAM	1	12	17.43	17.53	17.55	19	5	
5	25QAM	1	24	17.33	17.39	17.42			
5	25QAM	12	0	17.36	17.36	17.44			
5	25QAM	12	7	17.58	17.34	17.47	19	5	
5	25QAM	12	13	17.44	17.38	17.40			
5	25QAM	24	0	17.42	17.38	17.57			

Band 25 Ant 1 DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Inst. (dB)	APRS (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.11	18.10	18.15	19.5	0	
20	QPSK	1	25	18.03	18.11	18.15			
20	QPSK	1	49	18.04	18.06	18.03			
20	QPSK	50	0	18.06	18.13	18.11	19.5		
20	QPSK	50	25	18.07	18.14	18.11	19.5		
20	QPSK	50	50	18.05	18.11	18.08	19.5		
20	QPSK	100	0	18.08	18.12	18.11	19.5		
20	QPSK	100	25	18.09	18.04	18.11	19.5		
20	QPSK	100	50	18.10	18.08	18.06	19.5		
20	QPSK	150	0	18.12	18.09	18.07	19.5		
20	QPSK	150	25	18.13	18.06	18.02	19.5		
20	QPSK	150	49	18.06	18.08	18.02	19.5		
20	QPSK	150	75	18.09	18.03	18.09	19.5		
20	QPSK	150	100	18.08	18.11	18.14	19.5		
20	QPSK	150	125	18.07	18.09	18.05	19.5		
20	QPSK	150	150	18.09	18.11	18.03	19.5		
20	QPSK	200	0	17.98	17.70	17.47	19	0	
20	QPSK	200	25	17.95	17.66	17.48			
20	QPSK	200	50	17.43	17.48	17.57			
20	QPSK	200	75	17.46	17.48	17.58	19		
20	QPSK	200	100	17.57	17.54	17.53	19		
20	QPSK	50	150	17.49	17.61	17.46	19		
Channel									
Frequency (MHz)				1802.5	1800	1997.4	Tune-up Inst. (dB)	APRS (dB)	
10	QPSK	1	0	18.07	18.03	18.01	19.5	0	
10	QPSK	1	25	18.03	18.11	18.15			
10	QPSK	1	49	17.99	18.08	18.06			
10	QPSK	50	0	18.02	18.09	18.09	19.5		
10	QPSK	50	25	18.12	18.08	18.08	19.5		
10	QPSK	50	49	18.09	18.06	18.09	19.5		
10	QPSK	100	0	18.07	18.05	18.09	19.5		
10	QPSK	100	25	18.07	17.98	18.09	19.5		
10	QPSK	100	49	18.08	18.05	17.99	19.5		
10	QPSK	150	0	18.09	18.11	18.08	19.5		
10	QPSK	150	25	18.12	18.05	18.07	19.5		
10	QPSK	150	49	18.07	18.08	18.06	19.5		
10	QPSK	200	0	17.98	17.47	17.54	19	0	
10	QPSK	200	25	17.95	17.48	17.56			
10	QPSK	200	50	17.43	17.48	17.56			
10	QPSK	200	75	17.46	17.48	17.54	19		
10	QPSK	200	100	17.57	17.54	17.53	19		
10	QPSK	50	150	17.49	17.61	17.46	19		
Channel									
Frequency (MHz)				2099.5	2094.0	2094.0	Tune-up Inst. (dB)	APRS (dB)	
5	QPSK	1	0	18.07	18.03	18.01	19.5	0	
5	QPSK	1	25	18.03	18.08	18.06			
5	QPSK	1	49	17.99	18.04	18.07			
5	QPSK	50	0	18.02	18.09	18.09	19.5		
5	QPSK	50	25	18.12	18.08	18.08	19.5		
5	QPSK	50	49	18.09	18.06	18.09	19.5		
5	QPSK	100	0	18.07	18.05	18.09	19.5		
5	QPSK	100	25	18.07	17.98	18.09	19.5		
5	QPSK	100	49	18.08	18.05	17.99	19.5		
5	QPSK	150	0	18.09	18.11	18.08	19.5		
5	QPSK	150	25	18.12	18.05	18.07	19.5		
5	QPSK	150	49	18.07	18.08	18.06	19.5		
5	QPSK	200	0	17.98	17.47	17.54	19	0	
5	QPSK	200	25	17.95	17.48	17.56			
5	QPSK	200	50	17.43	17.48	17.56			
5	QPSK	200	75	17.46	17.48	17.54	19		
5	QPSK	200	100	17.57	17.54	17.53	19		
5	QPSK	50	150	17.49	17.61	17.46	19		
Channel									
Frequency (MHz)				1892.5	1893.0	1912.5	Tune-up Inst. (dB)	APRS (dB)	
5	QPSK	1	0	18.07	18.00	18.06	19.5	0	
5	QPSK	1	12	18.07	18.07	18.07			
5	QPSK	1	24	18.08	18.07	18.01			
5	QPSK	12	0	17.97	18.11	18.05	19.5		
5	QPSK	12	12	18.08	18.06	18.06	19.5		
5	QPSK	12	24	18.06	18.01	18.02	19.5		
5	QPSK	150	0	18.06	18.03	17.97	19.5		
5	QPSK	150	12	18.11	18.06	18.09	19.5		
5	QPSK	150	24	17.96	18.07	18.03	19.5		
5	QPSK	150	36	18.08	18.03	18.07	19.5		
5	QPSK	150	48	18.09	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03	18.07	19.5		
5	QPSK	150	12	18.08	18.03				



Band 26 Ant 1 DS16													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (dB)	APRS (dB)					
Channel													
				821.5	841.5	861.5							
15	QPSK	1	0	22.49	22.54	22.51	24	0					
15	QPSK	1	37	22.47	22.41	22.39							
15	QPSK	1	74	22.53	22.23	22.38							
15	QPSK	36	0	21.49	21.52	21.46							
15	QPSK	36	20	21.43	21.50	21.34	23	1					
15	QPSK	36	36	21.44	21.34	21.40							
15	QPSK	75	0	21.52	21.55	21.53							
15	16QAM	1	0	21.54	21.44	21.31							
15	16QAM	1	37	21.43	21.46	21.41	23	1					
15	16QAM	1	74	21.49	21.43	21.50							
15	16QAM	36	0	20.58	20.49	20.38							
15	16QAM	36	20	20.42	20.53	20.39							
15	16QAM	36	36	20.40	20.44	20.58	22	2					
15	16QAM	75	0	20.47	20.59	20.51							
15	84QAM	1	0	20.59	20.38	20.42							
15	84QAM	1	37	20.56	20.52	20.40							
15	84QAM	1	74	20.42	20.38	20.36	21	3					
15	84QAM	36	0	19.49	19.45	19.53							
15	84QAM	36	20	19.64	19.43	19.36							
15	84QAM	36	36	19.62	19.38	19.53							
15	84QAM	75	0	19.67	19.37	19.35	19	5					
15	256QAM	1	0	17.57	17.42	17.39							
15	256QAM	1	37	17.54	17.52	17.62							
15	256QAM	1	74	17.47	17.39	17.51							
15	256QAM	36	0	17.44	17.33	17.51	19	5					
15	256QAM	36	20	17.57	17.44	17.50							
15	256QAM	36	36	17.47	17.46	17.34							
15	256QAM	75	0	17.52	17.58	17.53							
Channel													
				819	831.5	844	Tune-up (dB)	APRS (dB)					
10	QPSK	1	0	22.42	22.44	22.41	24	0					
10	QPSK	1	20	22.39	22.44	22.34							
10	QPSK	1	40	22.41	22.27	22.35							
10	QPSK	20	0	21.32	21.53	21.41							
10	QPSK	20	12	21.39	21.48	21.26	23	1					
10	QPSK	20	25	21.49	21.25	21.39							
10	QPSK	50	0	21.48	21.51	21.52							
10	16QAM	1	0	21.19	21.43	21.34							
10	16QAM	1	25	21.37	21.44	21.36	23	1					
10	16QAM	1	40	21.37	21.32	21.39							
10	16QAM	25	0	20.52	20.40	20.25							
10	16QAM	25	12	20.44	20.41	20.27							
10	16QAM	25	25	20.38	20.46	20.21	22	2					
10	16QAM	50	0	20.40	20.49	20.38							
10	84QAM	1	0	20.49	20.34	20.37							
10	84QAM	1	25	19.43	19.36	19.21							
10	84QAM	1	40	20.39	20.46	20.35	21	3					
10	84QAM	25	0	19.58	19.39	19.36							
10	84QAM	25	12	19.58	19.35	19.45							
10	84QAM	25	25	19.57	19.37	19.52							
10	84QAM	50	0	19.49	19.40	19.25	19	5					
10	256QAM	1	0	17.51	17.51	17.53							
10	256QAM	1	40	17.42	17.37	17.45							
10	256QAM	20	0	17.41	17.36	17.41							
10	256QAM	25	12	17.47	17.38	17.53	19	5					
10	256QAM	25	25	17.43	17.48	17.43							
10	256QAM	50	0	17.43	17.41	17.57							
Channel													
				816.5	831.5	846.5	Tune-up (dB)	APRS (dB)					
5	QPSK	1	0	22.45	22.48	22.32	24	0					
5	QPSK	1	12	22.40	22.38	22.46							
5	QPSK	1	24	22.33	22.28	22.33							
5	QPSK	12	0	21.59	21.59	21.42							
5	QPSK	12	7	21.32	21.53	21.29	23	1					
5	QPSK	12	13	21.44	21.32	21.42							
5	16QAM	1	0	21.18	21.47	21.26							
5	16QAM	1	12	21.28	21.38	21.38							
5	16QAM	1	24	21.41	21.38	21.29	22	2					
5	16QAM	12	0	20.45	20.47	20.32							
5	16QAM	12	7	20.40	20.53	20.34							
5	16QAM	12	13	20.32	20.37	20.38							
5	84QAM	1	0	20.38	20.50	20.40	21	3					
5	84QAM	1	12	20.39	20.40	20.41							
5	84QAM	1	24	20.38	20.42	20.35							
5	84QAM	1	24	20.45	20.48	20.41							
5	84QAM	12	7	19.58	19.34	19.37	19	5					
5	84QAM	12	13	19.43	19.28	19.46							
5	84QAM	25	0	19.44	19.34	19.24							
5	256QAM	1	0	17.55	17.48	17.28							
5	256QAM	1	12	17.48	17.45	17.54	19	5					
5	256QAM	1	24	17.37	17.46	17.53							
5	256QAM	12	0	17.51	17.38	17.41							
5	256QAM	12	7	17.45	17.50	17.38							
5	256QAM	12	13	17.35	17.50	17.38	19	5					
5	256QAM	25	0	17.37	17.30	17.50							
Channel													
				816.5	831.5	847.5			Tune-up (dB)	APRS (dB)			
3	QPSK	1	0	22.37	22.41	22.31	24	0					
3	QPSK	1	8	22.40	22.37	22.38							
3	QPSK	1	14	22.34	22.29	22.38							
3	QPSK	8	0	21.41	21.54	21.42							
3	QPSK	8	4	21.41	21.43	21.28	23	1					
3	QPSK	8	7	21.38	21.34	21.34							
3	QPSK	16	0	21.52	21.48	21.35							
3	16QAM	1	0	21.32	21.38	21.26							
3	16QAM	1	8	21.29	21.40	21.47	23	1					
3	16QAM	1	14	21.43	21.47	21.43							
3	16QAM	8	0	20.47	20.38	20.28							
3	16QAM	8	4	20.29	20.40	20.30							
3	16QAM	16	0	20.40	20.47	20.49	22	2					
3	84QAM	1	0	20.42	20.28	20.29							
3	84QAM	1	8	20.29	20.49	20.32							
3	84QAM	1	14	20.37	20.37	20.29							
3	84QAM	8	0	19.44	19.34	19.35	21	3					
3	84QAM	8	4	19.54	19.32	19.40	19	5					
3	84QAM	8	7	19.50	19.42	19.48							
3	84QAM	16	0	19.62	19.43	19.44							
3	84QAM	16	4	19.60	17.51	17.24							
3	256QAM	1	8	17.41	17.49	17.56	19	5					
3	256QAM	1	14	17.38	17.38	17.52							
3	256QAM	8	0	17.41	17.31	17.51							
3	256QAM	8	4	17.56	17.34	17.47							
3	256QAM	16	0	17.47	17.47	17.47	19	5					
3	256QAM	16	4	17.56	17.30	17.54							
Channel													
				816.5	831.5	847.5			Tune-up (dB)	APRS (dB)			
1.4	QPSK	1	0	22.93	22.92	22.92	24	0					
1.4	QPSK	1	3	22.92	22.99	22.92							
1.4	QPSK	1	5	22.96	22.97	22.91							
1.4	QPSK	1	8	22.93	22.94	22.94							
1.4	QPSK	1	11	22.95	22.94	22.94	23	1					
1.4	QPSK	1	14	22.95	22.92	22.93							
1.4	QPSK	3	0	21.55	21.45	21.45							
1.4	QPSK	3	0	21.42	21.56	21.52							
1.4	QPSK	3	1	21.42	21.53	21.57	23	1					
1.4	QPSK	3	2	21.39	21.47	21.39							
1.4	16QAM	1	0	21.38	21.48	21.36							
1.4	16QAM	1	1	21.41	21.49	21.41							
1.4	16QAM	3	0	21.34	21.52	21.41	23	1					
1.4	16QAM	3	1	21.38	21.47	21.41							
1.4	16QAM	3	2	20.28	20.44	20.36							
1.4	16QAM	3	3	20.34	20.43	20.51							
1.4	16QAM	5	0	20.48	20.40	20.44	22	2					
1.4	16QAM	5	1	20.40	20.40	20.40							
1.4	16QAM	5	2	20.49	20.45	20.29							
1.4	16QAM	5	3	20.36	20.42	20.43							
1.4	16QAM	7	0	20.36	20.46	20.36	21	3					
1.4	16QAM	7	1	20.49	20.45	20.38							
1.4	16QAM	7	2	17.47	17.45	17.35							
1.4	16QAM	7	3	17.42	17.49	17.45							
1.4	256QAM	1	3	17.42	17.43	17.44	19	5					
1.4	256QAM	3	1	17.47	17.45	17.54							
1.4	256QAM	3	1	17.38	17.60	17.32							
1.4	256QAM	3	2	17.47	17.47	17.47							
1.4	256QAM	5	0	17.28	17.40	17.28	19	5					
1.4	256QAM	5	1	17.28	17.40	17.28							
1.4	256QAM	5	2	17.28	17.40	17.28							
1.4	256QAM	5	3	17.28	17.40	17.28							

Band 38 Ant 1 DS16												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
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	21.88	21.94	21.91						
20	QPSK	50	24	21.93	21.93	21.79						
20	QPSK	50	50	21.84	21.79	21.84	23	0				
20	QPSK	100	0	21.89	21.93	21.90						
20	16QAM	1	0	21.84	21.88	21.85						
20	16QAM	1	49	21.86	21.88	21.83	23	0				
20	16QAM	1	99	21.88	21.92	21.85						
20	16QAM	50	0	21.01	20.88	20.82						
20	16QAM	50	24	20.85	20.92	20.82	22	1				
20	16QAM	50	50	20.78	20.83	21.05						
20	16QAM	100	0	20.83	21.01	20.92						
20	16QAM	1	0	20.83	20.81	20.81						
20	16QAM	1	49	20.82	20.90	20.78	22	1				
20	16QAM	1	99	20.77	20.84	20.84						
20	16QAM	50	0	19.91	19.90	19.83						
20	16QAM	50	24	19.98	19.98	19.84	21	2				
20	16QAM	50	50	19.88	19.77	20.02						
20	16QAM	100	0	19.89	19.82	19.73						
20	256QAM	1	0	18.03	18.01	17.79						
20	256QAM	1	49	17.87	17.89	18.07	19	4				
20	256QAM	1	99	17.76	17.77	17.86						
20	256QAM	50	0	17.77	17.79	17.94						
20	256QAM	50	24	17.87	17.92	17.87	19	4				
20	256QAM	50	50	17.82	17.84	17.85						
20	256QAM	100	0	17.82	17.85	18.03						
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.69	21.75	21.79						
15	QPSK	1	37	21.80	21.75	21.78	23	0				
15	QPSK	1	74	21.67	21.69	21.74						
15	QPSK	36	0	21.72	21.79	21.78						
15	QPSK	36	20	21.80	21.68	21.69	23	0				
15	QPSK	36	36	21.71	21.79	21.81						
15	QPSK	75	0	21.70	21.80	21.72						
15	16QAM	1	0	21.69	21.77	21.72						
15	16QAM	1	37	21.68	21.73	21.77	23	0				
15	16QAM	1	74	21.70	21.70	21.66						
15	16QAM	36	0	20.96	20.79	20.81						
15	16QAM	36	20	20.74	20.86	20.67	22	1				
15	16QAM	36	39	20.77	20.83	20.77						
15	16QAM	75	0	20.77	20.83	20.77						
15	16QAM	75	0	20.82	20.78	20.86						
15	16QAM	1	37	20.72	20.89	20.64	22	1				
15	16QAM	1	74	20.80	20.88	20.70						
15	16QAM	36	0	19.80	19.74	19.88						
15	16QAM	36	20	19.85	19.86	19.85	21	2				
15	16QAM	36	39	19.87	19.79	19.89						
15	16QAM	75	0	19.87	19.79	19.89						
15	16QAM	75	0	17.96	17.94	17.97						
15	256QAM	1	37	17.83	17.91	18.00	19	4				
15	256QAM	1	74	17.83	17.95	17.87						
15	256QAM	36	0	17.81	17.75	17.96						
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.75	21.72	21.67						
10	QPSK	1	25	21.78	21.75	21.81	23	0				
10	QPSK	1	49	21.75	21.69	21.71						
10	QPSK	25	0	21.68	21.78	21.73						
10	QPSK	25	12	21.79	21.83	21.67	23	0				
10	QPSK	25	25	21.82	21.72	21.71						
10	QPSK	50	0	21.72	21.70	21.71						
10	16QAM	1	0	21.73	21.70	21.81						
10	16QAM	1	25	21.82	21.72	21.76	23	0				
10	16QAM	1	49	21.67	21.81	21.82						
10	16QAM	25	0	20.89	20.77	20.71						
10	16QAM	25	12	20.86	20.82	20.86						
10	16QAM	25	25	20.84	20.85	20.85	22	1				
10	16QAM	50	0	20.80	20.95	20.90						
10	16QAM	50	0	20.88	20.76	20.76						
10	16QAM	1	25	20.80	20.79	20.75	22	1				
10	16QAM	1	49	20.81	20.86	20.86						
10	16QAM	25	0	19.83	19.74	19.89						
10	16QAM	25	12	19.84	19.81	19.81	21	2				
10	16QAM	25	25	19.86	19.80	19.85						
10	16QAM	50	0	19.86	19.79	19.81						
10	256QAM	1	0	17.85	17.98	17.84						
10	256QAM	1	25	17.87	17.90	18.01	19	4				
10	256QAM	1	49	17.68	17.72	17.84						
10	256QAM	25	0	17.84	17.80	17.82						
10	256QAM	25	12	17.85	17.76	17.89						
10	256QAM	25	25	17.80	17.84	17.70	19	4				
10	256QAM	50	0	17.82	17.84	17.90						
Channel												
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	6	21.73	21.70	21.81						
5	QPSK	12	13	21.81	21.79	21.77	23	0				
5	QPSK	25	0	21.79	21.67	21.82						
5	16QAM	1	0	21.83	21.68	21.72						
5	16QAM	1	12	21.67	21.71	21.81	23	0				
5	16QAM	1	24	21.82	21.80	21.72						
5	16QAM	12	0	20.92	20.75	20.74						
5	16QAM	12	7	20.73	20.77	20.79	22	1				
5	16QAM	12	13	20.82	20.73	20.86						
5	16QAM	25	0	20.87	20.90	20.91						
5	16QAM	1	0	20.90	20.70	20.81						
5	16QAM	1	12	20.70	20.74	20.70	22	1				
5	16QAM	1	24	20.85	20.89	20.70						
5	16QAM	12	0	20.87	20.80	20.91						
5	16QAM	12	7	19.99	19.83	19.86	21	2				
5	16QAM	12	13	19.85	19.79	19.89						
5	256QAM	1	0	19.90	19.71	19.64						
5	256QAM	1	6	17.91	17.89	17.72	19	4				
5	256QAM	1	12	17.91	17.86	17.86						
5	256QAM	1	24	17.75	17.81	17.83						
5	256QAM	12	0	17.71	17.76	17.92	19	4				
5	256QAM	12	7	17.80	17.78	17.85						
5	256QAM	12	13	17.81	17.89	17.79						
5	256QAM	25	0	17.80	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 Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				39750	40165	40620	41055	41490				
20	QPSK	1	0	22.05	224.5	2299	2353	2417				
20	QPSK	1	49	21.78	21.68	21.70	21.70	21.74	23	0		
20	QPSK	1	99	21.68	21.82	21.78	21.76	21.77				
20	QPSK	50	0	21.79	21.81	21.84	21.82	21.72				
20	QPSK	50	24	21.71	21.79	21.74	21.74	21.72				
20	QPSK	50	50	21.78	21.68	21.75	21.72	21.80	23	0		
20	QPSK	100	0	21.78	21.81	21.82	21.76	21.75				
20	16QAM	1	0	21.74	21.81	21.72	21.69	21.78				
20	16QAM	1	49	21.75	21.79	21.77	21.74	21.78	23	0		
20	16QAM	1	99	21.82	21.70	21.79	21.76	21.77				
20	16QAM	50	0	20.70	20.69	20.44	20.67	20.67				
20	16QAM	50	24	20.65	20.72	20.61	20.69	20.69				
20	16QAM	50	50	20.53	20.62	20.72	20.68	20.63				
20	16QAM	100	0	20.67	20.69	20.69	20.77	20.67				
20	16QAM	1	0	20.54	20.63	20.54	20.62	20.58				
20	16QAM	1	49	20.62	20.68	20.55	20.75	20.68				
20	16QAM	1	99	20.65	20.75	20.55	20.71	20.65				
20	16QAM	50	0	19.84	19.59	19.61	19.63	19.59				
20	16QAM	50	24	19.89	19.71	19.53	19.69	19.64				
20	16QAM	50	50	19.73	19.67	19.89	19.83	19.54	21	2		
20	16QAM	100	0	19.73	19.63	19.50	19.63	19.62				
20	25QAM	1	0	17.86	17.81	17.57	17.87	17.80				
20	25QAM	1	49	17.68	17.67	17.87	17.67	17.71	19	4		
20	25QAM	1	99	17.82	17.83	17.68	17.80	17.79				
20	25QAM	50	0	17.81	17.60	17.66	17.64	17.59				
20	25QAM	50	24	17.89	17.69	17.71	17.60	17.67				
20	25QAM	50	50	17.62	17.71	17.62	17.66	17.70				
20	25QAM	100	0	17.63	17.65	17.70	17.64	17.57				
Frequency (MHz)				2505.5	2548.3	2593	2637.8	2692.5	turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.73	21.59	21.72	21.59	21.69	21.59			
15	QPSK	1	37	21.61	21.73	21.70	21.68	21.63				
15	QPSK	1	74	21.62	21.67	21.68	21.66	21.67	23.00	0		
15	QPSK	38	0	21.69	21.72	21.60	21.66	21.57				
15	QPSK	36	20	21.70	21.63	21.71	21.71	21.69				
15	QPSK	36	39	21.60	21.68	21.71	21.69	21.59	23	0		
15	QPSK	75	0	21.62	21.66	21.69	21.65	21.68				
15	16QAM	1	0	21.62	21.65	21.68	21.64	21.67				
15	16QAM	1	37	21.71	21.59	21.65	21.61	21.65	23	0		
15	16QAM	1	74	21.68	21.63	21.71	21.64	21.65				
15	16QAM	36	0	20.71	20.66	20.54	20.60	20.60				
15	16QAM	36	20	20.57	20.72	20.51	20.64	20.61				
15	16QAM	36	39	20.54	20.64	20.52	20.62	20.50	22	1		
15	16QAM	75	0	20.64	20.66	20.59	20.66	20.54				
15	64QAM	1	0	20.58	20.53	20.60	20.49	20.51				
15	64QAM	1	37	20.62	20.56	20.51	20.62	20.65				
15	64QAM	1	74	20.64	20.58	20.59	20.64	20.61	22	1		
15	64QAM	36	0	19.62	19.59	19.64	19.54	19.55				
15	64QAM	36	20	19.75	19.58	19.50	19.57	19.67				
15	64QAM	36	39	19.65	19.58	19.78	19.62	19.63				
15	64QAM	75	0	19.73	19.56	19.37	19.60	19.50				
15	25QAM	1	0	17.75	17.75	17.64	17.74	17.62				
15	25QAM	1	37	17.57	17.61	17.73	17.74	17.74				
15	25QAM	1	74	17.50	17.58	17.64	17.56	17.66				
15	25QAM	36	0	17.61	17.60	17.76	17.57	17.63				
15	25QAM	36	20	17.64	17.62	17.76	17.59	17.64				
15	25QAM	36	39	17.62	17.66	17.53	17.63	17.62	19	4		
15	25QAM	75	0	17.56	17.55	17.77	17.54	17.52				
Channel				39700	40160	40620	41050	41540	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				22.01	224.6	229.7	234.8	239.9	<td></td> <td></td> <td></td>			
20	QPSK	1	0	21.60	21.69	21.68	21.57	21.67				
20	QPSK	1	25	21.58	21.59	21.66	21.58	21.66	23.00	0		
20	QPSK	1	49	21.58	21.69	21.69	21.66	21.67				
20	QPSK	25	0	21.62	21.61	21.68	21.70	21.58				
20	QPSK	25	12	21.59	21.67	21.66	21.69	21.58				
20	QPSK	25	12	21.67	21.63	21.69	21.65	21.58	23	0		
20	QPSK	50	0	21.68	21.68	21.63	21.66	21.66				
20	16QAM	1	0	21.62	21.65	21.61	21.71	21.70				
20	16QAM	1	25	21.63	21.60	21.68	21.68	21.59	23	0		
20	16QAM	1	49	21.70	21.62	21.69	21.64	21.67				
20	16QAM	25	0	20.66	20.62	20.41	20.58	20.63				
20	16QAM	25	12	20.58	20.72	20.54	20.69	20.62				
20	16QAM	25	25	20.53	20.51	20.68	20.65	20.62	22	1		
20	16QAM	50	0	20.57	20.78	20.68	20.62	20.75				
20	16QAM	50	12	20.57	20.59	20.59	20.59	20.59				
20	64QAM	1	25	20.57	20.56	20.50	20.65	20.57				
20	64QAM	1	49	20.61	20.65	20.51	20.61	20.57				
20	64QAM	25	0	19.64	19.67	19.59	19.63	19.55				
20	64QAM	25	12	19.76	19.62	19.68	19.54	19.58				
20	64QAM	25	25	19.77	19.63	19.72	19.50	19.50	21	2		
20	64QAM	50	0	19.65	19.65	19.38	19.54	19.62				
20	25QAM	1	0	17.73	17.78	17.50	17.75	17.70				
20	25QAM	1	25	17.64	17.66	17.77	17.74	17.71				
20	25QAM	1	49	17.67	17.62	17.82	17.67	17.67				
20	25QAM	25	0	17.49	17.64	17.74	17.64	17.64				
20	25QAM	25	12	17.75	17.52	17.64	17.66	17.57				
20	25QAM	25	25	17.66	17.63	17.60	17.60	17.69	19	4		
20	25QAM	50	0	17.57	17.57	17.71	17.58	17.60				
Channel				39700	40160	40620	41050	41540	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2697.5	<td></td> <td></td> <td></td>			
5	QPSK	1	0	21.69	21.73	21.69	21.58	21.62				
5	QPSK	1	12	21.71	21.64	21.63	21.64	21.65	23.00	0		
5	QPSK	1	24	21.70	21.67	21.63	21.64	21.58				
5	QPSK	12	0	21.71	21.71	21.63	21.72	21.66				
5	QPSK	12	7	21.71	21.61	21.59	21.68	21.63				
5	QPSK	12	13	21.67	21.69	21.58	21.69	21.65	23	0		
5	QPSK	25	0	21.73	21.64	21.70	21.66	21.66				
5	QPSK	25	7	21.68	21.62	21.67	21.59	21.60				
5	16QAM	1	12	21.73	21.61	21.73	21.70	21.65				
5	16QAM	1	24	21.72	21.71	21.61	21.65	21.61				
5	16QAM	12	0	20.79	20.59	20.50	20.60	20.56				
5	16QAM	12	7	20.63	20.60	20.60	20.70	20.64				
5	16QAM	12	13	20.56	20.56	20.70	20.63	20.61	22	1		
5	16QAM	25	0	20.66	20.64	20.71	20.74	20.71				
5	64QAM	1	0	20.70	20.63	20.64	20.62	20.60				
5	64QAM	1	12	20.53	20.69	20.45	20.61	20.59	22	1		
5	64QAM	1	24	20.56	20.66	20.46	20.66	20.60				
5	64QAM	12	0	19.61	19.54	19.64	19.60	19.54				
5	64QAM	12	7	19.81	19.59	19.53	19.57	19.58				
5	64QAM	12	13	19.65	19.53	19.71	19.53	19.52	21	2		
5	64QAM	25	0	19.62	19.59	19.63	19.50	19.60				
5	25QAM	1	0	17.78	17.71	17.49	17.69	17.60				
5	25QAM	1	12	17.57	17.71	17.69	17.70	17.67				
5	25QAM	1	24	17.54	17.55	17.67	17.65	17.53				
5	25QAM	12	0	17.56	17.59	17.68	17.60	17.49				
5	25QAM	12	7	17.67	17.67	17.67	17.67	17.67				
5	25QAM	12	13	17.64	17.59	17.52	17.65	17.61	19	4		
5	25QAM	25	0	17.58	17.58	17.79	17.59	17.63				

GSM1900 Ant 2 DSIS6							
GSM1900 Ant 2		Burst Average Power (dBm)		Tune-up		Frame Average Power (dBm)	
TX Channel		512	661	810	Limit	512	661
Frequency (MHz)		1852.2	1860	1868.8	1862.2	1868	1876.8
GSM 1 Tx slot		28.65	29.98	29.65	30.50	19.65	20.98
GPRS 1 Tx slot		28.65	30.03	29.65	30.50	19.65	21.03
GPRS 2 Tx slot		28.55	27.87	27.71	28.50	20.55	21.87
GPRS 3 Tx slot		25.07	26.15	26.12	27.20	20.75	21.83
GPRS 4 Tx slot		23.51	24.55	24.28	25.50	20.51	21.55
EDGE 1 Tx slot		24.74	25.69	26.07	26.50	15.74	16.69
EDGE 2 Tx slot		23.58	24.55	24.50	25.50	17.58	18.55
EDGE 3 Tx slot		22.00	23.16	23.34	24.00	17.74	18.90
EDGE 4 Tx slot		20.52	21.58	21.77	22.50	17.52	18.77
WCDMA II Ant 2 DSIS6				WCDMA IV Ant 2 DSIS6			
Band		WCDMA II Ant 2		WCDMA IV Ant 2			
TX Channel		9282	9400	9538	1312	1413	1513
RX Channel		8652	8800	8958	1537	1638	1738
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6
3GPP Rel 99		20.96	21.01	20.96	22.20	21.39	21.45
3GPP Rel 99		20.99	21.05	21.05	22.20	21.43	21.41
3GPP Rel 6		19.86	19.90	20.01	21.20	20.31	20.45
3GPP Rel 6		19.93	20.01	20.12	21.20	20.39	20.50
3GPP Rel 6		19.36	19.66	19.50	20.70	19.78	20.01
3GPP Rel 6		19.41	19.54	19.42	20.70	19.74	19.86
3GPP Rel 6		19.93	20.09	20.07	21.20	20.28	20.55
3GPP Rel 6		20.03	20.09	19.95	21.20	20.39	20.52
3GPP Rel 6		19.42	19.51	19.49	20.70	19.76	19.86
3GPP Rel 6		19.44	19.52	19.38	20.70	19.53	19.53
3GPP Rel 6		20.00	19.98	20.08	21.20	20.45	20.35
3GPP Rel 6		17.97	18.12	18.11	19.20	18.41	18.48
3GPP Rel 6		18.99	19.03	19.10	20.20	19.37	19.49
3GPP Rel 6		17.97	17.99	18.11	19.20	18.30	18.39
3GPP Rel 6		19.95	20.18	20.05	21.20	20.46	20.43

Band 2 Ant 2 DS16									
BW (MHz)	Modulat on	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.13	21.15	21.12			
20	QPSK	1	49	21.10	21.07	21.03	22.2	0	
20	QPSK	1	99	21.08	21.05	21.04			
20	QPSK	50	0	21.11	21.12	21.08			
20	QPSK	50	24	21.11	21.05	21.04	22.2	0	
20	QPSK	50	50	21.08	21.10	21.02			
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	22.2	0	
20	16QAM	1	99	21.12	21.14	21.05			
20	16QAM	50	0	20.55	20.52	20.44			
20	16QAM	50	24	20.37	20.25	20.31	22	0.2	
20	16QAM	50	50	20.31	20.29	20.34			
20	16QAM	100	0	20.34	20.43	20.44			
20	64QAM	1	0	20.37	20.38	20.35			
20	64QAM	1	49	20.21	20.31	20.21	22	0.2	
20	64QAM	1	99	20.39	20.28	20.35			
20	64QAM	50	0	19.38	19.38	19.41			
20	64QAM	50	24	19.50	19.53	19.59	21	1.2	
20	64QAM	50	50	19.43	19.54	19.56			
20	64QAM	100	0	19.48	19.39	19.42			
20	256QAM	1	0	17.47	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	17.52	17.40	17.32			
20	256QAM	50	24	17.44	17.40	17.52	19	3.2	
20	256QAM	50	50	17.41	17.40	17.35			
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	21.04	21.04	22.2	0	
15	QPSK	1	74	21.06	21.05	21.07			
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	20.91	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	20.30	20.24	20.31			
15	16QAM	75	0	20.29	20.35	20.31			
15	64QAM	1	0	20.40	20.34	20.29			
15	64QAM	1	37	20.24	20.20	20.15	22	0.2	
15	64QAM	1	74	20.29	20.19	20.19			
15	64QAM	36	0	19.28	19.27	19.41			
15	64QAM	36	20	19.57	19.48	19.42	21	1.2	
15	64QAM	36	39	19.41	19.47	19.42			
15	64QAM	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	17.31	17.34	17.29			
15	256QAM	36	0	17.26	17.24	17.29			
15	256QAM	36	20	17.48	17.41	17.44	19	3.2	
15	256QAM	36	39	17.32	17.29	17.29			
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	21.04	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	20.26	20.27	20.22	22	0.2	
10	16QAM	25	25	20.31	20.33	20.19			
10	16QAM	50	0	20.27	20.35	20.26			
10	64QAM	1	0	20.34	20.29	20.28			
10	64QAM	1	25	20.21	20.31	20.28	22	0.2	
10	64QAM	1	49	20.21	20.24	20.28			
10	64QAM	25	0	19.36	19.34	19.34			
10	64QAM	25	12	19.56	19.55	19.44	21	1.2	
10	64QAM	25	25	19.49	19.49	19.48			
10	64QAM	50	0	19.26	19.38	19.34			
10	256QAM	1	0	17.39	17.49	17.48			
10	256QAM	1	25	17.38	17.44	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	20.99	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	21.06	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	64QAM	1	0	20.29	20.40	20.41			
5	64QAM	1	12	20.30	20.26	20.15	22	0.2	
5	64QAM	1	24	20.26	20.33	20.24			
5	64QAM	12	0	19.38	19.39	19.37			
5	64QAM	12	7	19.47	19.48	19.50	21	1.2	
5	64QAM	12	13	19.47	19.46	19.42			
5	64QAM	25	0	19.29	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	17.47	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	20.63	21.04	20.96	22.2	0	
3	QPSK	1	14	21.06	21.06	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	20.99	22.2	0	
3	16QAM	1	8	21.00	21.01	20.98			
3	16QAM	1	14	21.01	21.04	20.94			
3	16QAM	8	0	20.46	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	20.28	20.30			
3	64QAM	1	0	20.34	20.35	20.30			
3	64QAM	1	8	20.26	20.29	20.27	22	0.2	
3	64QAM	1	14	20.22	20.21	20.26			
3	64QAM	8	0	19.34	19.37	19.39			
3	64QAM	8	4	19.50	19.47	19.46	21	1.2	
3	64QAM	8	7	19.46	19.55	19.44			
3	64QAM	15	0	19.28	19.24	19.26			
3	256QAM	1	0	17.40	17.36	17.37			
3	256QAM	1	8	17.41	17.32	17.45	19	3.2	
3	256QAM	1	14	17.32	17.37	17.33			
3	256QAM	8	0	17.33	17.31	17.28			
3	256QAM	8	4	17.48	17.50	17.42	19	3.2	
3	256QAM	8	7	17.26	17.35	17.36			
3	256QAM	15	0	17.37	17.40	17.35			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.60	18.60	18.60			
3	QPSK	1	8	18.60	18.60	18.60	21	1.2	
3	QPSK	1	14	18.60	18.60	18.60			
3	QPSK	8							



1.4	QPSK	1	0	21.02	20.95	21.00	22.2	0
1.4	QPSK	1	3	20.92	20.93	20.92		
1.4	QPSK	1	5	20.93	20.94	20.94		
1.4	QPSK	3	0	21.01	21.00	21.01		
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	22.2	0
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		
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	22	0.2
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		
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	19	3.2
1.4	256QAM	1	3	17.25	17.42	17.46		
1.4	256QAM	1	5	17.48	17.44	17.42		
1.4	256QAM	3	0	17.46	17.48	17.44		
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	22	0
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		
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	22	0
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		
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	21.8	0.2
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		
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	18.8	3.2
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	17.48	17.35	17.49		
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										Band 66 Ant 2 DS16											
BW MHz	Module on	RB Size	RB Offset	Power Low Ch./Freq. 26140	Power Middle Ch./Freq. 26340	Power High Ch./Freq. 26560	Tune-up limit (dBm)	MPR (dB)		BW MHz	Module on	RB Size	RB Offset	Power Low Ch./Freq. 13070	Power Middle Ch./Freq. 13222	Power High Ch./Freq. 13372	Tune-up limit (dBm)	MPR (dB)			
Channel				Frequency (MHz)						Channel				Frequency (MHz)							
20	QPSK	1	0	21.15	21.17	21.13	22.2	0		20	QPSK	1	0	20.83	20.87	20.82	22	0			
20	QPSK	1	49	21.11	21.10	21.12				20	QPSK	1	49	20.87	20.59	20.59					
20	QPSK	1	99	21.10	21.15	21.01				20	QPSK	1	99	20.58	20.60	20.66					
20	QPSK	50	0	21.13	21.15	21.08	22.2	0		20	QPSK	50	0	20.60	20.65	20.67	22	0			
20	QPSK	50	24	21.10	21.03	21.06				20	QPSK	50	24	20.58	20.56	20.61					
20	QPSK	50	50	21.10	21.12	21.08				20	QPSK	50	50	20.60	20.62	20.61					
20	QPSK	100	0	21.09	21.13	21.07	22.2	0		20	QPSK	100	0	20.60	20.62	20.58	22	0			
20	16QAM	1	0	21.16	21.05	21.14				20	16QAM	1	0	20.54	20.59	20.65					
20	16QAM	1	49	21.02	21.04	21.03				20	16QAM	1	49	20.54	20.58	20.64					
20	16QAM	1	99	21.15	21.01	21.06	22	0.2		20	16QAM	1	99	20.61	20.62	20.59	22	0			
20	16QAM	50	0	20.47	20.48	20.33				20	16QAM	50	0	20.49	20.49	20.45					
20	16QAM	50	24	20.31	20.43	20.29				20	16QAM	50	24	20.19	20.41	20.19					
20	16QAM	50	50	20.25	20.28	20.23	22	0		20	16QAM	50	50	20.21	20.24	20.33	22	0			
20	16QAM	100	0	20.38	20.36	20.32				20	16QAM	100	0	20.24	20.34	20.33					
20	64QAM	1	0	20.39	20.52	20.35				20	64QAM	1	0	20.47	20.44	20.45					
20	64QAM	1	49	20.22	20.18	20.32	22	0.2		20	64QAM	1	49	20.24	20.22	20.31	22	0			
20	64QAM	1	99	20.45	20.32	20.22				20	64QAM	1	99	20.39	20.41	20.25					
20	64QAM	50	0	19.47	19.36	19.42				20	64QAM	50	0	19.46	19.33	19.39					
20	64QAM	50	24	19.57	19.51	19.50	21	1.2		20	64QAM	50	24	19.51	19.41	19.52	21	1			
20	64QAM	50	50	19.50	19.45	19.53				20	64QAM	50	50	19.51	19.46	19.49					
20	64QAM	100	0	19.28	19.34	19.27				20	64QAM	100	0	19.31	19.42	19.40					
20	256QAM	1	0	17.54	17.48	17.48	19	3.2		20	256QAM	1	0	17.43	17.43	17.58	19	3			
20	256QAM	1	49	17.46	17.52	17.44				20	256QAM	1	49	17.43	17.50	17.52					
20	256QAM	1	99	17.33	17.46	17.23				20	256QAM	1	99	17.27	17.45	17.22					
20	256QAM	50	0	17.26	17.28	17.19	19	3.2		20	256QAM	50	0	17.32	17.34	17.28	19	3			
20	256QAM	50	24	17.38	17.40	17.44				20	256QAM	50	24	17.46	17.40	17.45					
20	256QAM	50	50	17.45	17.40	17.42				20	256QAM	50	50	17.39	17.34	17.45					
20	256QAM	100	0	17.56	17.46	17.52			20	256QAM	100	0	17.44	17.34	17.49						
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)		Channel				13047	13222	13367	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1857.5	1880	1907.5				Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	20.99	20.98	20.94	22.2	0		15	QPSK	1	0	20.59	20.63	20.66	22	0			
15	QPSK	1	37	20.96	21.06	20.92				15	QPSK	1	37	20.56	20.62	20.58					
15	QPSK	1	74	21.06	20.97	20.92				15	QPSK	1	74	20.64	20.64	20.58					
15	QPSK	36	0	20.97	21.01	21.02	22.2	0		15	QPSK	36	0	20.60	20.60	20.64	22	0			
15	QPSK	36	20	20.93	21.07	20.98				15	QPSK	36	20	20.68	20.64	20.63					
15	QPSK	36	39	20.95	20.97	21.00				15	QPSK	36	39	20.61	20.59	20.61					
15	QPSK	75	0	20.95	21.00	21.00	22.2	0		15	QPSK	75	0	20.56	20.59	20.65	22	0			
15	16QAM	1	0	21.06	20.94	20.95				15	16QAM	1	0	20.57	20.63	20.55					
15	16QAM	1	37	21.06	21.00	21.07				15	16QAM	1	37	20.52	20.59	20.65					
15	16QAM	1	74	21.04	21.05	20.97	22	0.2		15	16QAM	1	74	20.49	20.55	20.50	22	0			
15	16QAM	36	0	20.46	20.43	20.40				15	16QAM	36	0	20.47	20.44	20.44					
15	16QAM	36	20	20.34	20.32	20.34				15	16QAM	36	20	20.25	20.31	20.24					
15	16QAM	36	39	20.23	20.28	20.32	22	0.2		15	16QAM	36	39	20.19	20.23	20.24	22	0			
15	16QAM	75	0	20.31	20.43	20.41				15	16QAM	75	0	20.23	20.30	20.43					
15	64QAM	1	0	20.45	20.47	20.36				15	64QAM	1	0	20.33	20.49	20.30					
15	64QAM	1	37	20.16	20.23	20.31	22	0.2		15	64QAM	1	37	20.28	20.29	20.22	22	0			
15	64QAM	1	74	20.36	20.34	20.26				15	64QAM	1	74	20.33	20.33	20.30					
15	64QAM	36	0	19.42	19.35	19.39				15	64QAM	36	0	19.44	19.44	19.36					
15	64QAM	36	20	19.51	19.42	19.56	21	1.2		15	64QAM	36	20	19.51	19.40	19.48	21	1			
15	64QAM	36	39	19.39	19.44	19.53				15	64QAM	36	39	19.54	19.50	19.55					
15	64QAM	75	0	19.24	19.34	19.40				15	64QAM	75	0	19.40	19.40	19.48					
15	256QAM	1	0	17.53	17.45	17.51	19	3.2		15	256QAM	1	0	17.49	17.40	17.55	19	3			
15	256QAM	1	37	17.33	17.53	17.51				15	256QAM	1	37	17.49	17.47	17.46					
15	256QAM	1	74	17.33	17.43	17.30				15	256QAM	1	74	17.27	17.40	17.34					
15	256QAM	36	0	17.20	17.36	17.32	19	3.2		15	256QAM	36	0	17.25	17.35	17.29	19	3			
15	256QAM	36	20	17.52	17.38	17.36				15	256QAM	36	20	17.46	17.40	17.45					
15	256QAM	36	39	17.53	17.44	17.30				15	256QAM	36	39	17.52	17.37	17.38					
15	256QAM	75	0	17.57	17.40	17.39			15	256QAM	75	0	17.51	17.40	17.48						
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)		Channel				13202	13222	13262	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1855	1880	1910				Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	21.07	21.05	21.04	22.2	0		10	QPSK	1	0	20.57	20.58	20.53	22	0			
10	QPSK	1	25	20.94	20.98	20.97				10	QPSK	1	25	20.64	20.66	20.64					
10	QPSK	1	49	20.96	20.97	20.96				10	QPSK	1	49	20.60	20.60	20.60					
10	QPSK	25	0	21.06	20.92	21.00	22.2	0		10	QPSK	25	0	20.60	20.62	20.60	22	0			
10	QPSK	25	12	20.96	21.02	20.93				10	QPSK	25	12	20.55	20.62	20.60					
10	QPSK	25	25	20.98	21.05	20.99				10	QPSK	25	25	20.53	20.63	20.52					
10	QPSK	50	0	20.98	21.04	20.92	22.2	0		10	QPSK	50	0	20.55	20.60	20.58	22	0			
10	16QAM	1	0	21.00	21.02	21.06				10	16QAM	1	0	20.56	20.66	20.54					
10	16QAM	1	25	20.92	21.01	20.97				10	16QAM	1	25	20.52	20.60	20.53					
10	16QAM	1	49	21.04	21.01	20.98	22	0.2		10	16QAM	1	49	20.56	20.64	20.62	22	0			
10	16QAM	25	0	20.43	20.37	20.34				10	16QAM	25	0	20.43	20.51	20.46					
10	16QAM	25	12	20.28	20.45	20.30				10	16QAM	25	12	20.19	20.45	20.19					
10	16QAM	25	25	20.28	20.31	20.31	22	0.2		10	16QAM	25	25	20.27	20.20	20.28	22	0			
10	16QAM	50	0	20.38	20.27	20.34				10	16QAM	50	0	20.46	20.46	20.37					
10	64QAM	1	0	20.46	20.43	20.36				10	64QAM	1	0	20.46	20.46	20.37					
10	64QAM	1	25	20.31	20.26	20.23	22	0.2		10	64QAM	1	25	20.19	20.21	20.23	22	0			
10	64QAM	1	49	20.36	20.39	20.33				10	64QAM	1	49	20.30	20.30	20.34					
10	64QAM	25	0	19.45	19.39	19.35				10	64QAM	25	0	19.48	19.44	19.45					
10	64QAM	25	12	19.59	19.54	19.52	21	1.2		10	64QAM	25	12	19.49	19.46	19.48	21	1			
10	64QAM	25	25	19.49	19.37	19.44				10	64QAM	25	25	19.47	19.52	19.52					
10	64QAM	50	0	19.25	19.33	19.30				10	64QAM	50	0	19.31	19.46	19.38					
10	256QAM	1	0	17.46	17.45	17.59	19	3.2		10	256QAM	1	0	17.48	17.48	17.54	19	3			
10	256QAM	1	25	17.41	17.48	17.49				10	256										

1.4	QPSK	1	0	20.96	20.97	21.02	22.2	0
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	22.2	0
1.4	16QAM	1	0	20.96	21.04	20.93	22.2	0
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	22	0.2
1.4	64QAM	1	0	20.47	20.37	20.51	22	0.2
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	20.46		
1.4	64QAM	6	0	19.38	19.38	19.34	21	1.2
1.4	256QAM	1	0	17.46	17.42	17.25	19	3.2
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	19	3.2

1.4	QPSK	1	0	20.65	20.62	20.51	22	0
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	22	0
1.4	16QAM	1	0	20.66	20.55	20.66	22	0
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	21.8	0.2
1.4	64QAM	1	0	20.46	20.39	20.54	21.8	0.2
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	20.39	20.34		
1.4	64QAM	6	0	19.48	19.46	19.29	20.8	1.2
1.4	256QAM	1	0	17.47	17.46	17.33	18.8	3.2
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	18.8	3.2

Band 38 Ant 2 DS16												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				37860	38000	38150						
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	21.45	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	16QAM	1	0	21.51	21.40	21.36						
20	16QAM	1	49	21.50	21.50	21.46	22.8	0				
20	16QAM	1	99	21.51	21.54	21.38						
20	16QAM	50	0	20.58	20.68	20.55						
20	16QAM	50	24	20.39	20.63	20.49	22					
20	16QAM	50	50	20.36	20.36	20.56						
20	16QAM	100	0	20.56	20.62	20.50						
20	16QAM	1	0	20.61	20.66	20.51						
20	16QAM	1	49	20.41	20.51	20.44	22	0.8				
20	16QAM	1	99	20.62	20.63	20.44						
20	16QAM	50	0	19.73	19.56	19.56						
20	16QAM	50	24	19.84	19.61	19.79	21	1.8				
20	16QAM	50	50	19.70	19.60	19.71						
20	16QAM	100	0	19.46	19.64	19.47						
20	256QAM	1	0	17.74	17.68	17.79						
20	256QAM	1	49	17.68	17.64	17.69	19	3.8				
20	256QAM	1	99	17.49	17.59	17.56						
20	256QAM	50	0	17.41	17.56	17.39						
20	256QAM	50	24	17.66	17.62	17.66	19	3.8				
20	256QAM	50	50	17.70	17.58	17.51						
20	256QAM	100	0	17.74	17.66	17.66						
Frequency (MHz)				2577.5	3600.0	3812.5	turn-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	21.34	21.39	21.33						
15	QPSK	1	37	21.39	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	75	0	21.40	21.37	21.32						
15	16QAM	1	0	21.35	21.35	21.31						
15	16QAM	1	37	21.41	21.31	21.31	22.8	0				
15	16QAM	1	74	21.35	21.41	21.29						
15	16QAM	36	0	20.62	20.49	20.55						
15	16QAM	36	20	20.37	20.44	20.41	22	0.8				
15	16QAM	36	39	20.27	20.31	20.46						
15	16QAM	75	0	20.33	20.38	20.48						
15	16QAM	1	0	20.56	20.56	20.55						
15	16QAM	1	37	20.40	20.34	20.43	22	0.8				
15	16QAM	1	74	20.42	20.46	20.43						
15	16QAM	36	0	19.62	19.54	19.46						
15	16QAM	36	20	19.64	19.56	19.72	21	1.8				
15	16QAM	36	39	19.59	19.51	19.67						
15	16QAM	75	0	19.43	19.46	19.45						
15	256QAM	1	0	17.59	17.56	17.60						
15	256QAM	1	37	17.57	17.60	17.50	19	3.8				
15	256QAM	1	74	17.48	17.49	17.53						
15	256QAM	36	0	17.38	17.39	17.43						
15	256QAM	36	20	17.48	17.56	17.49	19	3.8				
15	256QAM	36	39	17.59	17.45	17.52						
15	256QAM	75	0	17.67	17.63	17.61						
Channel				37860	38000	38200	turn-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	21.23	21.45	21.26						
10	QPSK	1	25	21.29	21.43	21.26	22.8	0				
10	QPSK	1	49	21.30	21.36	21.35						
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	16QAM	1	0	21.31	21.42	21.31						
10	16QAM	1	25	21.30	21.40	21.31	22.8	0				
10	16QAM	1	49	21.30	21.37	21.34						
10	16QAM	25	0	20.51	20.60	20.48						
10	16QAM	25	12	20.33	20.48	20.33	22	0.8				
10	16QAM	25	25	20.27	20.35	20.45						
10	16QAM	50	0	20.37	20.39	20.47						
10	16QAM	1	0	20.50	20.48	20.42	22	0.8				
10	16QAM	1	25	20.34	20.33	20.47						
10	16QAM	1	49	20.44	20.44	20.43						
10	16QAM	25	0	19.58	19.52	19.48						
10	16QAM	25	12	19.73	19.50	19.65	21	1.8				
10	16QAM	25	25	19.54	19.60	19.54						
10	16QAM	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	3.8				
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	17.60	19	3.8				
10	256QAM	25	25	17.47	17.51	17.42						
10	256QAM	50	0	17.65	17.57	17.57						
Channel				2675	2695	2717.5	turn-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2572.5	2592.5	2612.5						
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	21.40						
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	16QAM	1	0	21.41	21.33	21.32						
5	16QAM	1	12	21.33	21.37	21.26	22.8	0				
5	16QAM	1	24	21.28	21.39	21.27						
5	16QAM	12	0	20.53	20.56	20.44						
5	16QAM	12	7	20.29	20.43	20.39	22	0.8				
5	16QAM	12	13	20.34	20.38	20.32						
5	16QAM	25	0	20.47	20.44	20.51						
5	16QAM	1	0	20.52	20.58	20.55						
5	16QAM	1	12	20.29	20.35	20.46	22	0.8				
5	16QAM	1	24	20.53	20.43	20.40						
5	16QAM	12	0	19.56	19.41	19.59	21	1.8				
5	16QAM	12	7	19.70	19.58	19.65						
5	16QAM	12	13	19.60	19.61	19.57						
5	16QAM	25	0	19.39	19.54	19.41						
5	256QAM	1	0	17.53	17.55	17.68	19	3.8				
5	256QAM	1	12	17.43	17.60	17.49						
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	19	3.8				
5	256QAM	12	13	17.47	17.56	17.50						
5	256QAM	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 Mid Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				36950	40185	40620	41055	41490				
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	21.56	21.51	21.45				
20	QPSK	50	24	21.52	21.46	21.53	21.45	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	21.45				
20	16QAM	1	0	21.54	21.55	21.56	21.44	21.48				
20	16QAM	1	49	21.48	21.45	21.44	21.48	21.53	22.8	0		
20	16QAM	1	99	21.53	21.56	21.53	21.55	21.45				
20	16QAM	50	0	20.45	20.51	20.51	20.47	20.45				
20	16QAM	50	24	20.45	20.63	20.52	20.43	20.47				
20	16QAM	50	50	20.51	20.41	20.41	20.56	20.51	22			
20	16QAM	100	0	20.45	20.51	20.54	20.59	20.53				
20	16QAM	1	0	20.80	20.72	20.58	20.53	20.64				
20	16QAM	1	49	20.37	20.50	20.40	20.46	20.52	22	0.8		
20	16QAM	1	99	20.62	20.63	20.49	20.50	20.45				
20	16QAM	50	0	19.62	19.66	18.63	19.58	19.57				
20	16QAM	50	24	19.66	19.60	19.76	19.82	19.75				
20	16QAM	50	50	19.70	19.71	19.49	19.71	19.73	21	1.8		
20	16QAM	100	0	19.53	19.53	19.57	19.53	19.54				
20	25QAM	1	0	17.71	17.66	17.69	17.66	17.75				
20	25QAM	1	49	17.67	17.70	17.66	17.71	17.60	19	3.8		
20	25QAM	1	99	17.46	17.54	17.41	17.43	17.35				
20	25QAM	50	0	17.57	17.57	17.41	17.44	17.40				
20	25QAM	50	24	17.62	17.73	17.60	17.58	17.71				
20	25QAM	50	50	17.61	17.63	17.64	17.62	17.57				
20	25QAM	100	0	17.64	17.67	17.59	17.64	17.72				
Frequency (MHz)				25015	25413	25950	26313	26525	turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.40	21.43	21.48	21.49	21.52				
15	QPSK	1	37	21.44	21.52	21.48	21.51	21.40	22.80	0		
15	QPSK	1	74	21.41	21.52	21.39	21.51	21.41				
15	QPSK	50	0	21.47	21.51	21.40	21.38	21.42				
15	QPSK	36	20	21.43	21.53	21.42	21.40	21.45				
15	QPSK	36	39	21.40	21.51	21.48	21.45	21.39	22.8	0		
15	QPSK	75	0	21.40	21.50	21.51	21.44	21.49				
15	16QAM	1	0	21.39	21.39	21.41	21.48	21.45				
15	16QAM	1	37	21.53	21.48	21.41	21.44	21.47	22.8	0		
15	16QAM	1	74	21.52	21.41	21.38	21.38	21.37				
15	16QAM	36	0	20.57	20.58	20.55	20.60	20.60				
15	16QAM	36	20	20.37	20.50	20.34	20.44	20.46				
15	16QAM	36	39	20.36	20.41	20.36	20.45	20.46	22	0.8		
15	16QAM	75	0	20.44	20.53	20.59	20.45	20.58				
15	16QAM	1	0	20.59	20.55	20.55	20.56	20.46				
15	16QAM	1	37	20.36	20.35	20.40	20.42	20.36	22	0.8		
15	16QAM	1	74	20.46	20.46	20.51	20.43	20.41				
15	16QAM	36	0	19.67	19.66	19.66	19.61	19.61				
15	16QAM	36	20	19.67	19.56	19.65	19.78	19.72				
15	16QAM	36	39	19.67	19.52	19.74	19.74	19.66	21	1.8		
15	16QAM	75	0	19.46	19.59	19.56	19.51	19.45				
15	25QAM	1	0	17.67	17.68	17.69	17.67	17.73				
15	25QAM	1	37	17.62	17.62	17.68	17.65	17.61				
15	25QAM	1	74	17.55	17.60	17.37	17.42	17.37				
15	25QAM	36	0	17.36	17.53	17.43	17.36	17.47				
15	25QAM	36	20	17.58	17.58	17.64	17.60	17.63	19	3.8		
15	25QAM	36	39	17.56	17.56	17.47	17.57	17.57				
15	25QAM	75	0	17.61	17.61	17.67	17.67	17.68				
Channel				36700	40160	40620	41080	41450	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25011	25447	25953	26309	26585				
10	QPSK	1	0	21.47	21.54	21.36	21.46	21.42				
10	QPSK	1	25	21.40	21.40	21.43	21.46	21.45	22.80	0		
10	QPSK	1	49	21.41	21.44	21.39	21.40	21.52				
10	QPSK	25	0	21.50	21.43	21.35	21.47	21.47				
10	QPSK	25	12	21.39	21.50	21.49	21.39	21.50				
10	QPSK	25	25	21.46	21.46	21.39	21.46	21.46	22.8	0		
10	QPSK	50	0	21.43	21.48	21.37	21.41	21.39				
10	16QAM	1	0	21.50	21.47	21.40	21.52	21.46				
10	16QAM	1	25	21.42	21.45	21.44	21.50	21.39	22.8	0		
10	16QAM	1	49	21.41	21.47	21.36	21.50	21.50				
10	16QAM	25	0	20.56	20.56	20.56	20.56	20.56				
10	16QAM	25	12	20.32	20.51	20.38	20.35	20.45				
10	16QAM	25	25	20.46	20.44	20.37	20.45	20.49	22	0.8		
10	16QAM	50	0	20.50	20.56	20.44	20.47	20.52				
10	16QAM	50	12	20.52	20.52	20.57	20.46	20.57				
10	16QAM	1	25	20.44	20.43	20.40	20.50	20.42				
10	16QAM	1	49	20.54	20.63	20.39	20.48	20.50				
10	16QAM	25	0	19.59	19.64	19.55	19.57	19.52				
10	16QAM	25	12	19.79	19.61	19.74	19.71	19.71	21	1.8		
10	16QAM	25	25	19.58	19.58	19.66	19.66	19.66				
10	16QAM	50	0	19.50	19.53	19.54	19.47	19.47				
10	25QAM	1	0	17.70	17.65	17.67	17.74	17.61				
10	25QAM	1	25	17.58	17.65	17.62	17.67	17.55	19	3.8		
10	25QAM	1	49	17.56	17.55	17.44	17.44	17.46				
10	25QAM	25	0	17.42	17.42	17.41	17.42	17.37				
10	25QAM	25	12	17.67	17.67	17.63	17.65	17.57	19	3.8		
10	25QAM	25	25	17.67	17.59	17.45	17.54	17.59				
10	25QAM	50	0	17.58	17.62	17.62	17.57	17.59				
Frequency (MHz)				2498.5	2545.8	25953	26403.0	26575	turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.50	21.42	21.42	21.44	21.43				
5	QPSK	1	12	21.52	21.42	21.38	21.42	21.44	22.80	0		
5	QPSK	1	25	21.49	21.46	21.50	21.47	21.47				
5	QPSK	12	0	21.52	21.53	21.43	21.43	21.37				
5	QPSK	12	7	21.52	21.52	21.38	21.44	21.39	22.8	0		
5	QPSK	12	13	21.39	21.54	21.46	21.41	21.43				
5	QPSK	25	0	21.40	21.44	21.46	21.37	21.53				
5	16QAM	1	0	21.39	21.46	21.51	21.44	21.41				
5	16QAM	12	0	21.42	21.45	21.40	21.41	21.43	22.8	0		
5	16QAM	1	24	21.40	21.39	21.39	21.49	21.45				
5	16QAM	12	0	20.53	20.57	20.63	20.52	20.54				
5	16QAM	12	7	20.36	20.53	20.45	20.32	20.46				
5	16QAM	12	13	20.46	20.46	20.46	20.46	20.46	22	0.8		
5	16QAM	25	0	20.39	20.53	20.59	20.56	20.55				
5	16QAM	1	0	20.62	20.59	20.54	20.55	20.53				
5	16QAM	1	12	20.37	20.33	20.42	20.45	20.45				
5	16QAM	1	25	20.57	20.57	20.41	20.48	20.39	22	0.8		
5	16QAM	12	0	19.63	19.63	19.62	19.51	19.57				
5	16QAM	12	7	19.73	19.55	19.77	19.73	19.70	21	1.8		
5	16QAM	12	13	19.59	19.52	18.66	19.70	19.65				
5	16QAM	25	0	19.46	19.60	19.50	19.55	19.46				
5	16QAM	1	0	17.63	17.63	17.63	17.70	17.68				
5	25QAM	1	12	17.63	17.65	17.64	17.67	17.53	19	3.8		
5	25QAM	1	24	17.44	17.51	17.52	17.42	17.47				
5	25QAM	12	0	17.45	17.53	17.43	17.39	17.47				
5	25QAM	12	7	17.54	17.57	17.56	17.61	17.66				
5	25QAM	12	13	17.54	17.54	17.54	17.54	17.54	19	3.8		
5	25QAM	25	0	17.59	17.63	17.58	17.63	17.61				

Band 7 Ant 3 DS16

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20950	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	20.56		
20	16QAM	1	99	20.48	20.65	20.55	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	21	2
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	16.66	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	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.48	21.50	21.52	23	0
15	QPSK	1	37	21.53	21.50	21.56		
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	20.38	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	36	0	19.50	19.75	19.47		
15	16QAM	36	20	19.34	19.61	19.38		
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	18.71	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	16.56	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				20700	21075	21400		
Frequency (MHz)				2500	2532	2565	Tune-up limit (dBm)	MPR (dB)
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	20.46	20.46		
10	QPSK	50	0	20.65	20.59	20.52	22	1
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	21	2
10	16QAM	25	0	19.60	18.74	19.59		
10	16QAM	25	12	19.40	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	Tune-up limit (dBm)	MPR (dB)
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	20.40	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	20	3
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	18	5
5	64QAM	12	13	18.66	18.56	18.70		
5	64QAM	25	0	18.44	18.65	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	16.75		
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 Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				37869	37890	38110							
20	QPSK	1	0	2148	2152	2144							
20	QPSK	1	49	2149	2147	2141			23	0			
20	QPSK	1	99	2140	2146	2142							
20	QPSK	50	0	2059	2065	2056							
20	QPSK	50	24	2051	2063	2057							
20	QPSK	50	50	2051	2039	2047			22	1			
20	QPSK	100	0	2061	2062	2058							
20	16QAM	1	0	2047	2051	2036							
20	16QAM	1	49	2052	2063	2054							
20	16QAM	1	99	2044	2066	2051							
20	16QAM	50	0	1952	1973	1958							
20	16QAM	50	24	1931	1963	1933							
20	16QAM	50	50	1931	1936	1950			21				
20	16QAM	100	0	1933	1956	1952							
20	16QAM	1	0	1963	1966	1949							
20	16QAM	1	49	1937	1950	1953			21	2			
20	16QAM	1	99	1970	1965	1952							
20	16QAM	50	0	1874	1853	1848							
20	16QAM	50	24	1866	1863	1885							
20	16QAM	50	50	1870	1864	1871			20	3			
20	16QAM	100	0	1840	1868	1840							
20	256QAM	1	0	1678	1662	1682							
20	256QAM	1	49	1672	1670	1674							
20	256QAM	1	99	1657	1659	1653							
20	256QAM	50	0	1636	1663	1640							
20	256QAM	50	24	1663	1655	1668							
20	256QAM	50	50	1677	1664	1661							
20	256QAM	100	0	1680	1670	1669							
Channel													
Frequency (MHz)				27575	27596	28115	Turn-up limit (dBm)	MPR (dB)					
15	QPSK	1	0	2144	2134	2136							
15	QPSK	1	49	2144	2134	2130			23	0			
15	QPSK	1	74	2144	2143	2150							
15	QPSK	36	0	2050	2059	2059							
15	QPSK	36	20	2038	2043	2042							
15	QPSK	36	39	2048	2032	2044			22	1			
15	QPSK	75	0	2048	2049	2042							
15	16QAM	1	0	2038	2026	2027							
15	16QAM	1	37	2046	2057	2034							
15	16QAM	1	74	2052	2056	2050							
15	16QAM	36	0	1943	1955	1936							
15	16QAM	36	20	1936	1952	1926							
15	16QAM	36	39	1927	1925	1947			21	2			
15	16QAM	75	0	1942	1956	1946							
15	16QAM	75	49	1940	1940	1940							
15	16QAM	1	0	1843	1849	1937							
15	16QAM	1	37	1934	1947	1947			21	2			
15	16QAM	1	74	1947	1952	1938							
15	16QAM	36	0	1867	1848	1845							
15	16QAM	36	20	1870	1849	1865							
15	16QAM	36	39	1852	1853	1853							
15	16QAM	75	0	1842	1855	1835							
15	256QAM	1	0	1666	1650	1669							
15	256QAM	1	37	1650	1656	1652							
15	256QAM	1	74	1636	1646	1639							
15	256QAM	36	0	1627	1647	1623							
15	256QAM	36	20	1659	1652	1654							
15	256QAM	36	39	1652	1654	1636							
15	256QAM	75	0	1660	1661	1660							
Channel													
Frequency (MHz)				37890	38000	38200	Turn-up limit (dBm)	MPR (dB)					
10	QPSK	1	0	2141	2136	2131							
10	QPSK	1	25	2135	2149	2138			23	0			
10	QPSK	1	49	2132	2143	2132							
10	QPSK	25	0	2056	2067	2057							
10	QPSK	25	12	2042	2056	2052							
10	QPSK	25	25	2049	2031	2040			22	1			
10	16QAM	1	0	2038	2039	2034							
10	16QAM	1	25	2036	2045	2043							
10	16QAM	1	49	2037	2057	2053							
10	16QAM	25	0	1946	1962	1952							
10	16QAM	25	12	1936	1946	1929							
10	16QAM	25	25	1932	1935	1947							
10	16QAM	50	0	1947	1957	1933							
10	16QAM	1	0	1955	1960	1949							
10	16QAM	1	25	1934	1946	1942			21	2			
10	16QAM	1	49	1958	1951	1937							
10	16QAM	25	0	1860	1847	1839							
10	16QAM	25	12	1876	1852	1870							
10	16QAM	25	25	1857	1850	1865							
10	16QAM	50	0	1840	1848	1831							
10	256QAM	1	0	1666	1655	1676							
10	256QAM	1	25	1651	1653	1655							
10	256QAM	1	49	1647	1654	1651							
10	256QAM	25	0	1626	1642	1624							
10	256QAM	25	12	1656	1656	1656							
10	256QAM	25	25	1659	1641	1649							
10	256QAM	50	0	1666	1662	1650							
Channel													
Frequency (MHz)				27575	27596	28115	Turn-up limit (dBm)	MPR (dB)					
5	QPSK	1	0	2149	2140	2143							
5	QPSK	1	12	2141	2137	2129			23	0			
5	QPSK	1	24	2147	2144	2145							
5	QPSK	12	0	2045	2065	2049							
5	QPSK	12	7	2038	2045	2045							
5	QPSK	12	13	2051	2044	2033							
5	QPSK	25	0	2051	2052	2039							
5	16QAM	1	0	2026	2030	2032							
5	16QAM	1	12	2045	2049	2036			22	1			
5	16QAM	1	24	2038	2042	2052							
5	16QAM	12	0	1944	1951	1939							
5	16QAM	12	7	1922	1946	1934							
5	16QAM	12	13	1933	1930	1947			21	2			
5	16QAM	25	0	1948	1952	1944							
5	16QAM	1	0	1953	1957	1941							
5	16QAM	1	12	1927	1937	1935							
5	16QAM	1	24	1953	1947	1931							
5	16QAM	12	0	1861	1852	1838							
5	16QAM	12	7	1878	1854	1870							
5	16QAM	12	13	1857	1855	1862							
5	16QAM	25	0	1833	1852	1838							
5	256QAM	1	0	1658	1652	1669							
5	256QAM	1	12	1659	1656	1658							
5	256QAM	1	24	1631	1646	1652							
5	256QAM	12	0	1623	1643	1634							
5	256QAM	12	7	1661	1658	1654							
5	256QAM	12	13	1652	1645	1639							
5	256QAM	25	0	1669	1653	1662							

Band 41 Ant 3 DS16													
BW [MHz]	Modulate on	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	Turn-up limit (dBm)	MPR (dB)			
Channel													
Frequency (MHz)				39750	40185	40620	41055	41490					
20	QPSK	1	0	2143	2151	2154	2139	2140	21.39	21.40			
20	QPSK	1	49	2153	2153	2146	2142	2146			23	0	
20	QPSK	1	99	2145	2150	2152	2146	2141					
20	QPSK	50	0	2061	2062	2065	2056	2054					
20	QPSK	50	24	2063	2059	2063	2061	2063			22	1	
20	QPSK	50	50	2046	2041	2041	2041	2037					
20	QPSK	100	0	2056	2056	2056	2057	2055					
20	QPSK	1	0	2046	2053	2047	2044	2047					
20	16QAM	1	49	2057	2059	2056	2065	2056			22	1	
20	16QAM	50	24	2063	2059	2063	2061	2063					
20	16QAM	50	0	1985	1972	1970	1978	1978					
20	16QAM	50	24	1999	1997	1962	1958	1967			21		
20	16QAM	50	50	1934	1932	1936	1935	1938					
20	16QAM	100	0	1949	1961	1961	1954	1961					
20	16QAM	1	0	1934	1932	1936	1935	1938					
20	16QAM	1	49	1950	1950	1946	1951	1948			21	2	
20	16QAM	1	99	1972	1964	1962	1966	1969					
20	16QAM	50	0	1848	1859	1852	1847	1853					
20	16QAM	50	24	1865	1863	1869	1861	1865					
20	16QAM	50	50	1869	1864	1863	1860	1860			20	3	
20	16QAM	100	0	1872	1869	1869	1868	1861					
20	256QAM	1	0	1657	1666	1663	1659	1670					
20	256QAM	1	49	1677	1667	1672	1666	1673			18	5	
20	256QAM	1	99	1669	1666	1666	1666	1666					
20	256QAM	50	0	1656	1656	1657	1661	1666					
20	256QAM	50	24	1655	1648	1652	1654	1652			18	5	
20	256QAM	50	50	1670	1660	1656	1672	1662					
20	256QAM	100	0	1674	1664	1675	1666	1676	16.76	16.76	16.76	16.76	
Channel													
Frequency (MHz)				25055	25483	25933	26378	26825 <th>25.96</th> <th>26.01</th> <th>25.96</th> <th>26.01</th>	25.96	26.01	25.96	26.01	
15	QPSK	1	0	2144	2143	2139	2142	2141	21.39	21.42			
15	QPSK	1	37	2133	2139	2140	2141	2139			23.00	0	
15	QPSK	1	74	2136	2140	2142	2138	2140					
15	QPSK	36	0	2054	2054	2058	2051	2057					
15	QPSK	36	20	2055	2057	2059	2051	2046			22	1	
15	QPSK	36	39	2022	2024	2024	2031	2029					
15	QPSK	75	0	2048	2058	2060	2053	2057					
15	16QAM	1	0	2049	2049	2049	2049	2049					
15	16QAM	1	37	2047	2055	2054	2061	2049			22	1	
15	16QAM	1	74	2048	2060	2058	2060	2063					
15	16QAM	36	0	1989	1985	1958	1959	1961					
15	16QAM	36	39	1959	1959	1959	1961	1955			21	2	
15	16QAM	36	74	1936	1936	1931	1929	1930					
15	16QAM	75	0	1945	1953	1944	1950	1947					
15	16QAM	1	0	1955	1959	1956	1958	1954					
15	16QAM	1	37	1938	1942	1940	1933	1938			21	2	
15	16QAM	1	74	1937	1942	1942	1938	1942					
15	16QAM	36	0	1836	1849	1837	1845	1845					
15	16QAM	36	20	1853	1851	1860	1858	1857					
15	16QAM	36	39	1859	1861	1851	1848	1851			20	3	
15	16QAM	75	0	1859	1850	1856	1865	1858					
15	256QAM	1	0	1648	1653	1648	1649	1653					
15	256QAM	1	37	1666	1661	1664	1652	1657					
15	256QAM	1	74	1648	1650	1648	1645	1653					
15	256QAM	36	0	1651	1659	1643	1658	1649					
15	256QAM	36	39	1645	1653	1648	1650	1638					
15	256QAM	36	74	1658	1653	1658	1649	1661			18	5	
15	256QAM	75	0	1655	1665	1666	1655	1663					
Channel													
Frequency (MHz)				39700	40160	40620	41080	41543 <th>25.96</th> <th>26.01</th> <th>25.96</th> <th>26.01</th>	25.96	26.01	25.96	26.01	
10	QPSK	1	0	2143	2147	2153	2140	2140	21.39	21.40			
10	QPSK	1	25	2143	2144	2134	2132	2139			23.00	0	
10	QPSK	1	49	2132	2143	2132	2131	2139					
10	QPSK	25	0	2058	2063	2061	2048	2062					
10	QPSK	25	12	2045	2057	2054	2053	2049			22	1	
10	QPSK	25	25	2032	2034	2034	2034	2034					
10	QPSK	50	0	2044	2051	2047	2058	2054					
10	16QAM	1	0	2048	2040	2042	2042	2046					
10	16QAM	1	25	2050	2060	2058	2058	2047			22	1	
10	16QAM	1	50	2048	2048	2048	2048	2048					
10	16QAM	25	0	1970	1955	1963	1960	1960					
10	16QAM	25	12	1952	1955	1957	1960	1950					
10	16QAM	25	25	1934	1925	1931	1927	1931			21	2	
10	16QAM	50	0	1952	1940	1950	1952	1951					
10	16QAM	1	0	1925	1942	1942	1937	1944					
10	16QAM	1	25	1935	1937	1941	1937	1945					
10	16QAM	1	49	1953	1949	1963	1950	1959					
10	16QAM	25	0	1846	1850	1846	1840	1851					
10	16QAM	25	12	1850	1849	1849	1849	1849					
10	16QAM	25	25	1859	1852	1851	1847	1851			20	3	
10	16QAM	50	0	1862	1860	1861	1854	1861					
10	256QAM	1	0	1654	1649	1657	1650	1648					
10	256QAM	1	25	1659	1667	1664	1657	1667			18	5	
10	256QAM	1	49	1649	1649	1649	1649	1649					
10	256QAM	25	0	1648	1659	1652	1647	1655					
10	256QAM	25	12	1638	1640	1647	1632	1646					
10	256QAM	25	25	1653	1659	1649	1658	1652			18	5	
10	256QAM	50	0	1659	1668	1664	1661	1658					
Channel													
Frequency (MHz)				24985	25458	25933	264030	26875 <th>25.96</th> <th>26.01</th> <th>25.96</th> <th>26.01</th>	25.96	26.01	25.96	26.01	
5	QPSK	1	0	2142	2144	2146	2141	2137					
5	QPSK	1	12	2140	2144	2144	2135	2139			23.00	0	
5	QPSK	1	24	2143	2144	2144	2131	2139					
5	QPSK	12	0	2059	2062	2058	2056	2052			22	1	
5	QPSK	12	7	2047	2054	2049	2054	2055					
5	QPSK	12	13	2023	2038	2032	2035	2024					
5	QPSK	25	0	2059	2046	2052	2056	2050					
5	QPSK	25	7	2047	2045	2045	2045	2045					
5	16QAM	1	12	2046	2053	2049	2046	2050			22	1	
5	16QAM	1	24	2053	2048	2054	2063	2061					
5	16QAM	12	0	1970	1961	1980	1964	1967					
5	16QAM	12	7	1943	1942	1942	1948	1947					
5	16QAM	12	13	1922	1934	1936	1924	1932			21	2	
5	16QAM	25	0	1939	1951	1951	1947	1949					
5	16QAM	1	0	1933	1961	1957	1958	1960					
5	16QAM	1	12	1943	1932	1934	1948	1949			21	2	
5	16QAM	1	24	1942	1942	1942	1942	1942					
5	16QAM	12	0	1850	1845	1851	1836	1844					
5	16QAM	12	7	1853	1853	1848	1848	1856			20	3	
5	16QAM	12	13	1860	1846	1860	1854	1847					
5	16QAM	25	0	1852	1859	1851	1862	1864					
5	16QAM	1	0	1648	1648	1648	1648	1648					
5	256QAM	1	12	1657	1660	1655	1661	1658			18	5	
5	256QAM	1	24	1642	1643	1649	1652	1651					
5	256QAM	12	0	1656	1659	1650	1648	1648					
5	256QAM	12	7	1649	1649	1649	1649	1649					
5	256QAM	12	13	1649	1660	1652	1654	1651			18	5	
5	256QAM	25	0	1663	1664	1663	1652	1656					

Band 42 Part 27Q Ant 7 DSI6									
BW [MHz]	Modulat ion	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	22.66	22.70	22.73	24	0	
20	QPSK	1	49	22.53	22.70	22.53			
20	QPSK	1	99	22.63	22.57	22.65			
20	QPSK	50	0	21.63	21.74	21.59	23	1	
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			
20	16QAM	1	99	21.60	21.64	21.67	22	2	
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	21	3	
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	19	5	
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	19	5	
20	256QAM	1	49	17.71	17.66	17.60			
20	256QAM	1	99	17.58	17.57	17.46			
20	256QAM	50	0	17.55	17.51	17.57	19	5	
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	19	5	
Channel				42190	42590	43010			
Frequency (MHz)				3457.5	3500	3542.5	19	5	MPR (dB)
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	22.64	22.46	22.64			
15	QPSK	36	0	21.46	21.59	21.59	23	1	
15	QPSK	36	20	21.51	21.52	21.49			
15	QPSK	36	39	21.46	21.36	21.32			
15	QPSK	75	0	21.66	21.59	21.45	23	1	
15	16QAM	1	0	21.26	21.31	21.38			
15	16QAM	1	37	21.44	21.31	21.51			
15	16QAM	1	74	21.54	21.49	21.55	22	2	
15	16QAM	36	0	20.53	20.67	20.63			
15	16QAM	36	20	20.33	20.41	20.41			
15	16QAM	36	39	20.49	20.41	20.34	22	2	
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	21	3	
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	19	5	
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	19	5	
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	5	
15	256QAM	36	20	17.54	17.58	17.69			
15	256QAM	36	39	17.37	17.41	17.55			
15	256QAM	75	0	17.46	17.62	17.54	19	5	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545	19	5	MPR (dB)
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	22.63	22.53	22.65			
10	QPSK	25	0	21.56	21.59	21.49	23	1	
10	QPSK	25	12	21.46	21.55	21.50			
10	QPSK	25	25	21.37	21.38	21.32			
10	QPSK	50	0	21.55	21.56	21.43	23	1	
10	16QAM	1	0	21.27	21.31	21.38			
10	16QAM	1	25	21.31	21.44	21.41			
10	16QAM	1	49	21.44	21.53	21.45	22	2	
10	16QAM	25	0	20.64	20.68	20.55			
10	16QAM	25	12	20.36	20.35	20.37			
10	16QAM	25	25	20.36	20.48	20.28	22	2	
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	21	3	
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	19	5	
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	19	5	
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	5	
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	19	5	
Channel				42116	42590	43068			
Frequency (MHz)				3452.5	3500	3547.5	19	5	MPR (dB)
5	QPSK	1	0	22.66	22.61	22.54	24	0	
5	QPSK	1	12	22.49	22.61	22.55			
5	QPSK	1	24	22.56	22.49	22.54			
5	QPSK	12	0	21.45	21.61	21.60	23	1	
5	QPSK	12	7	21.44	21.58	21.49			
5	QPSK	12	13	21.36	21.43	21.44			
5	QPSK	25	0	21.52	21.55	21.52	23	1	
5	16QAM	1	0	21.23	21.44	21.46			
5	16QAM	1	12	21.28	21.38	21.48			
5	16QAM	1	24	21.54	21.55	21.53	22	2	
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	20.38	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	21	3	
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	19	5	
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	19	5	
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	5	
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 DSI7

GSM850 Ant 0 DSI7							
GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)		
Tx Channel	128	198	251		128	198	251
Frequency (MHz)	854.2	856.4	848.8		854.2	856.4	848.8
GSM 1 Tx slot	32.70	32.82	32.78	33.50	23.70	23.82	23.78
GPRS 1 Tx slot	32.74	32.95	32.88	33.50	23.74	23.85	23.88
GPRS 2 Tx slots	29.65	30.91	30.88	31.50	23.65	24.91	24.88
GPRS 3 Tx slots	28.18	29.33	29.31	30.00	23.90	25.07	25.05
GPRS 4 Tx slots	26.54	27.73	27.91	28.00	23.54	24.73	24.91
EDGE 1 Tx slot	25.65	26.45	26.71	27.00	18.65	17.45	17.71
EDGE 2 Tx slots	24.67	25.48	25.28	26.00	18.67	19.48	19.28
EDGE 3 Tx slots	23.14	23.92	23.91	24.50	18.88	19.66	19.65
EDGE 4 Tx slots	21.52	22.24	22.21	23.00	18.52	19.24	19.21

WCDMA V Ant 0 DSI7				
Band	WCDMA V Ant 0			Tune-up Limit (dBm)
Tx Channel	4152	4192	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	856.4	858.4	848.5	
3GPP Rel 99 AMR 12.2kbps	22.51	22.62	22.56	24.00
3GPP Rel 99 RMC 12.2kbps	22.55	22.55	22.83	24.00
3GPP Rel 6 HSQPA Subtest-1	21.97	21.69	21.68	23.00
3GPP Rel 6 HSQPA Subtest-2	21.61	21.64	21.62	23.00
3GPP Rel 6 HSQPA Subtest-3	21.07	21.17	21.07	22.50
3GPP Rel 6 HSQPA Subtest-4	21.00	21.15	21.15	22.50
3GPP Rel 8 DC-HSQPA Subtest-1	21.53	21.63	21.64	23.00
3GPP Rel 8 DC-HSQPA Subtest-2	21.61	21.71	21.57	23.00
3GPP Rel 8 DC-HSQPA Subtest-3	21.03	21.11	21.08	22.50
3GPP Rel 8 DC-HSQPA 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 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									
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
10	QPSK	25	0	21.61	21.66	21.67			
10	QPSK	25	12	21.62	21.64	21.54			
10	QPSK	25	25	21.59	21.55	21.58			23
10	QPSK	50	0	21.61	21.65	21.60			
10	16QAM	1	0	21.59	21.65	21.50			
10	16QAM	1	25	21.61	21.53	21.60			
10	16QAM	1	49	21.61	21.61	21.58			23
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
10	16QAM	50	0	20.60	20.63	20.63			
10	64QAM	1	0	20.63	20.61	20.68			
10	64QAM	1	25	20.60	20.57	20.58			22
10	64QAM	1	49	20.65	20.58	20.56			
10	64QAM	25	0	19.59	19.56	19.66			
10	64QAM	25	12	19.67	19.65	19.53			
10	64QAM	25	25	19.65	19.67	19.66			21
10	64QAM	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
10	256QAM	1	49	17.59	17.62	17.61			
10	256QAM	25	0	17.65	17.60	17.67			
10	256QAM	25	12	17.68	17.67	17.58			
10	256QAM	25	25	17.57	17.71	17.61			19
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	19	22.45	22.48	22.30			
5	QPSK	1	24	22.40	22.35	22.47			24
5	QPSK	12	0	21.43	21.66	21.63			
5	QPSK	12	7	21.57	21.54	21.44			23
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
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
5	16QAM	12	13	20.46	20.56	20.55			
5	16QAM	25	0	20.55	20.48	20.55			
5	64QAM	1	0	20.45	20.57	20.63			
5	64QAM	1	12	20.47	20.48	20.55			22
5	64QAM	1	24	20.51	20.42	20.39			
5	64QAM	12	0	19.47	19.40	19.59			
5	64QAM	12	7	19.61	19.57	19.45			21
5	64QAM	12	13	19.56	19.47	19.59			
5	64QAM	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	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	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
3	QPSK	1	14	22.51	22.36	22.49			
3	QPSK	8	0	21.46	21.66	21.50			
3	QPSK	8	4	21.48	21.57	21.41			23
3	QPSK	8	8	21.50	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
3	16QAM	1	14	21.44	21.53	21.54			
3	16QAM	8	0	20.62	20.48	20.53			22
3	16QAM	8	4	20.54	20.59	20.46			
3	16QAM	8	7	20.46	20.54	20.58			
3	16QAM	15	0	20.51	20.61	20.59			
3	64QAM	1	0	20.50	20.56	20.59			
3	64QAM	1	8	20.61	20.39	20.54			22
3	64QAM	1	14	21.44	21.50	21.41			
3	64QAM	8	0	19.55	19.49	19.60			
3	64QAM	8	4	19.57	19.59	19.41			21
3	64QAM	8	7	19.50	19.52	19.48			
3	64QAM	15	0	19.63	19.53	19.38			
3	256QAM	1	0	17.56	17.60	17.42			
3	256QAM	1	8	17.45	17.57	17.57			19
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
3	256QAM	8	7	17.42	17.67	17.54			
3	256QAM	15	0	17.53	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
1.4	QPSK	3	0	22.44	22.51	22.48			
1.4	QPSK	3	3	22.50	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
1.4	16QAM	1	0	21.45	21.60	21.37			
1.4	16QAM	1	3	21.43	21.38	21.44			
1.4	16QAM	1	5	21.44	21.50	21.41			23
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
1.4	64QAM	1	0	20.59	20.54	20.63			
1.4	64QAM	1	3	20.42	20.54	20.58			
1.4	64QAM	1	5	20.57	20.46	20.50			22
1.4	64QAM	3	0	20.52	20.52	20.45			
1.4	64QAM	3	1	20.52	20.53	20.47			
1.4	64QAM	3	3	20.52	20.49	20.50			21
1.4	64QAM	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
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	3	17.46	17.65	17.48			19
1.4	256QAM	6	0	17.44	17.53	17.62			

Band 7 Ant 0 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									
Frequency (MHz)									
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	21.52	21.47			
20	QPSK	50	24	21.48	21.49	21.47		22.7	0
20	QPSK	50	50	21.36	21.46	21.36			
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	21.45			
20	16QAM	50	0	20.54	20.50	20.50			22
20	16QAM	50	24	20.63	20.50	20.50			0.7
20	16QAM	50	50	20.43	20.51	20.59			
20	16QAM	100	0	20.56	20.52	20.57			
20	64QAM	1	0	20.60	20.56	20.57			
20	64QAM	1	49	20.55	20.44	20.49			22
20	64QAM	1	99	20.59	20.40	20.42			
20	64QAM	50	0	19.44	19.38	19.60			
20	64QAM	50	24	19.52	19.57	19.41			21
20	64QAM	50	50	19.54	19.54	19.57			1.7
20	64QAM	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
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			19
20	256QAM	50	50	17.47	17.57	17.43			
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	49	21.36	21.35	21.26		22.7	0
15	QPSK	1	99	21.42	21.53	21.46			
15	QPSK	50	0	21.40	21.52	21.47			
15	QPSK	50	24	21.48	21.49	21.47		22.7	0
15	QPSK	50	50	21.36	21.46	21.36			
15	QPSK	36	39	21.31	21.35	21.32			
15	QPSK	75	0	21.34	21.41	21.31			
15	16QAM	1	0	21.26	21.31	21.26			
15	16QAM	1	37	21.34	21.31	21.28		22.7	0
15	16QAM	1	74	21.36	21.35	21.27			
15	16QAM	36	24	20.81	20.57	20.58			
15	16QAM	36	20	20.81	20.57	20.58			
15	16QAM	36	20	20.53	20.64	20.57		22	0.7
15	16QAM	36	39	20.41	20.47	20.51			
15	16QAM	75	0	20.44	20.60	20.57			
15	64QAM	1	0	20.59	20.47	20.57			
15	64QAM	1	37	20.55	20.40	20.50		22	0.7
15	64QAM	1	74	20.82	20.45	20.41			
15	64QAM	36	0	19.56	19.51	19.54			
15	64QAM	36	20	19.65	19.59	19.40			21
15	64QAM	36	39	19.61	19.50	19.50			
15	64QAM	75	0	19.53	19.40	19.47		19.7	
15	256QAM	1	0	17.51	17.57	17.42			
15	256QAM	1	37	17.58	17.58	17.52		19	3.7
15	256QAM	1	74	17.52	17.54	17.56			
15	256QAM	36	0	17.52	17.58	17.56			
15	256QAM	36	20	17.50	17.62	17.52			19
15	256QAM	36	39	17.68	17.68	17.47			
15	256QAM	75	0	17.50	17.52	17.52			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.27	21.44	21.37			
10	QPSK	1	25	21.38	21.45	21.35		22.7	0
10	QPSK	1	49	21.28	21.45	21.30			
10	QPSK	1	99	21.32	21.46	21.35			
10	QPSK	25	12	21.40	21.34	21.27		22.7	0
10	QPSK	50	25	21.26	21.33	21.21			
10	QPSK	50	0	21.30	21.47	21.29			
10	16QAM	1	0	21.27	21.42	21.35			
10	16QAM	1	25	21.33	21.40	21.30		22.7	0
10	16QAM	1	49	21.28	21.38	21.27			
10	16QAM	25	0	20.51	20.49	20.51			
10	16QAM	25	12	20.66	20.51	20.40		22	0.7
10	16QAM	25	25	20.53	20.55	20.61			
10	16QAM	50	0	20.47	20.53	20.49			
10	16QAM	50	12	20.59	20.53	20.63			
10	64QAM	1	25	20.57	20.51	20.50		22	0.7
10	64QAM	1	49	20.47	20.44	20.47			
10	64QAM	25	0	19.41	19.52	19.55			
10	64QAM	25	12	19.52	19.55	19.49		21	1.7
10	64QAM	25	25	19.60	19.47	19.54			
10	64QAM	50	0	19.47	19.44	19.46			
10	256QAM	1	0	17.50	17.67	17.40			
10	256QAM	1	25	17.48	17.50	17.56		19	3.7
10	256QAM	1	49	17.57	17.53	17.49			
10	256QAM	25	0	17.58	17.45	17.51			
10	256QAM	25	12	17.64	17.64	17.50		19	3.7
10	256QAM	25	25	17.51	17.57	17.51			
10	256QAM	50	0	17.44	17.40	17.53			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.33	21.41	21.39			
5	QPSK	1	12	21.38	21.41	21.30		22.7	0
5	QPSK	1	24	21.34	21.35	21.24			
5	QPSK	12	0	21.33	21.46	21.30			
5	QPSK	12	7	21.36	21.36	21.31		22.7	0
5	QPSK	12	13	21.28	21.40	21.28			
5	QPSK	25	0	21.35	21.38	21.31			
5	16QAM	1	0	21.39	21.39	21.37			
5	16QAM	1	12	21.32	21.32	21.21		22.7	0
5	16QAM	1	24	21.23	21.43	21.28			
5	16QAM	12	0	20.55	20.59	20.44			
5	16QAM	12	7	20.53	20.49	20.52		22	0.7
5	16QAM	12	13	20.48	20.48	20.50			
5	16QAM	25	0	20.51	20.51	20.50			
5	16QAM	25	12	20.52	20.50	20.57		20.7	
5	64QAM	1	12	20.45	20.54	20.50			
5	64QAM	1	24	20.49	20.42	20.46			
5	64QAM	12	0	19.57	19.39	19.62			
5	64QAM	12	7	19.52	19.59	19.48		21	1.7
5	64QAM	12	13	19.52	19.52	19.39			
5	64QAM	25	0	19.53	19.43	19.62			
5	256QAM	1	0	17.50	17.58	17.51			
5	256QAM	1	12	17.55	17.51	17.58		19	3.7
5	256QAM	1	24	17.51	17.51	17.49			
5	256QAM	12	0	17.56	17.52	17.51			
5	256QAM	12	7	17.47	17.47	17.44		19	3.7
5	256QAM	12	13	17.52	17.66	17.53			
5	256QAM	25	0	17.56	17.51	17.52			

Band 13 Ant 0 DSI7									
BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2325					
Frequency (MHz)				762					
10	QPSK	1	0		22.71		24	0	
10	QPSK	1	25		22.60				
10	QPSK	1	49		22.38				
10	QPSK	25	0		21.61		23	1	
10	QPSK	25	12		21.62				
10	QPSK	25	25		21.53				
10	QPSK	50	0		21.67		23	1	
10	16QAM	1	0		21.60				
10	16QAM	1	25		21.51				
10	16QAM	1	49		21.56		22	2	
10	16QAM	25	0		20.88				
10	16QAM	25	12		20.67				
10	16QAM	25	25		20.54		22	2	
10	16QAM	50	0		20.56				
10	64QAM	1	0		20.69				
10	64QAM	1	25		20.54		22	2	
10	64QAM	1	49		20.58				
10	64QAM	25	0		19.49				
10	64QAM	25	12		19.57		21	3	
10	64QAM	25	25		19.69				
10	64QAM	50	0		19.57				
10	256QAM	1	0		17.69		19	5	
10	256QAM	1	25		17.64				
10	256QAM	1	49		17.67				
10	256QAM	25	0		17.67		19	5	
10	256QAM	25	12		17.73				
10	256QAM	25	25		17.69				
10	256QAM	50	0		17.55				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
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	23	1
5	QPSK	12	7		22.50	22.55	22.42		
5	QPSK	12	13		22.42	22.53	22.61		
5	QPSK	25	0		21.42	21.58	21.47	23	1
5	16QAM	1	0		21.50	21.55	21.29		
5	16QAM	1	12		21.41	21.38	21.44		
5	16QAM	1	24		21.41	21.46	21.42	22	2
5	16QAM	12	0		21.49	21.48	21.36		
5	16QAM	12	7		21.54	21.56	21.44		
5	16QAM	12	13		21.43	21.60	21.50	22	2
5	16QAM	25	0		20.50	20.41	20.52		
5	16QAM	25	0		20.50	20.41	20.52		
5	64QAM	1	0		20.60	20.56	20.68	22	2
5	64QAM	1	12		20.47	20.55	20.49		
5	64QAM	1	24		20.63	20.46	20.47		
5	64QAM	12	0		20.39	20.58	20.48	21	3
5	64QAM	12	7		20.59	20.50	20.49		
5	64QAM	12	13		20.48	20.52	20.46		
5	64QAM	25	0		19.50	19.56	19.45	19	5
5	256QAM	1	0		17.57	17.57	17.44		
5	256QAM	1	12		17.40	17.62	17.70		
5	256QAM	1	24		17.57	17.60	17.52	19	5
5	256QAM	12	0		17.53	17.56	17.83		
5	256QAM	12	7		17.55	17.56	17.46		
5	256QAM	12	13		17.53	17.61	17.53		
5	256QAM	25	0		17.42	17.47	17.63		

Band 17 Ant 0 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760					
Frequency (MHz)				710	710	711			
10	QPSK	1	0	22.61	22.67	22.58	24	0	
10	QPSK	1	25	22.42	22.60	22.54			
10	QPSK	1	49	22.59	22.45	22.51			
10	QPSK	25	0	21.57	21.65	21.64	23	1	
10	QPSK	25	12	21.55	21.62	21.57			
10	QPSK	25	25	21.59	21.59	21.59			
10	QPSK	50	0	21.61	21.63	21.59	23	1	
10	16QAM	1	0	21.54	21.67	21.48			
10	16QAM	1	25	21.58	21.57	21.59			
10	16QAM	1	49	21.63	21.54	21.61	22	2	
10	16QAM	25	0	20.85	20.86	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	64QAM	1	0	20.67	20.56	20.65			
10	64QAM	1	25	20.57	20.58	20.54	22	2	
10	64QAM	1	49	20.68	20.68	20.52			
10	64QAM	25	0	19.60	19.58	19.62			
10	64QAM	25	12	19.71	19.61	19.54	21	3	
10	64QAM	25	25	19.66	19.55	19.71			
10	64QAM	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	19	5	
10	256QAM	25	12	17.75	17.59	17.69			
10	256QAM	25	25	17.68	17.72	17.63			
10	256QAM	50	0	17.63	17.56	17.70			
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				708.5	710	713.5			
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	21.63	23	1	
5	QPSK	12	7	21.54	21.52	21.45			
5	QPSK	12	13	21.55	21.41	21.55			
5	QPSK	25	0	21.51	21.60	21.46	23	1	
5	16QAM	1	0	21.41	21.56	21.43			
5	16QAM	1	12	21.49	21.38	21.57			
5	16QAM	1	24	21.58	21.57	21.44	22	2	
5	16QAM	12	0	20.51	20.60	20.45			
5	16QAM	12	7	20.64	20.52	20.50			
5	16QAM	12	13	20.47	20.45	20.50	22	2	
5	16QAM	25	0	20.47	20.51	20.48			
5	64QAM	1	0	20.53	20.54	20.51			
5	64QAM	1	12	20.46	20.47	20.49	22	2	
5	64QAM	1	24	20.52	20.51	20.47			
5	64QAM	12	0	19.53	19.49	19.56	21	3	
5	64QAM	12	7	19.54	19.53	19.42			
5	64QAM	12	13	19.53	19.54	19.62			
5	64QAM	25	0	19.55	19.48	19.44	19	5	
5	256QAM	1	0	17.53	17.66	17.40			
5	256QAM	1	12	17.53	17.63	17.59			
5	256QAM	1	24	17.47	17.49	17.43	19	5	
5	256QAM	12	0	17.50	17.48	17.54			
5	256QAM	12	7	17.65	17.55	17.49			
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				20705					
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.48	22.49	22.44	24	0	
15	QPSK	1	37	22.31	22.45	22.32			
15	QPSK	1	74	22.46	22.41	22.44			
15	QPSK	36	0	21.55	21.57	21.53	23	1	
15	QPSK	36	20	21.51	21.55	21.47			
15	QPSK	36	39	21.51	21.55	21.52			
15	QPSK	75	0	21.54	21.56	21.54	22	2	
15	16QAM	1	0	21.46	21.48	21.38			
15	16QAM	1	37	21.49	21.39	21.47			
15	16QAM	1	74	21.44	21.39	21.48	21	1	
15	16QAM	36	0	20.59	20.51	20.59			
15	16QAM	36	20	20.52	20.53	20.30			
15	16QAM	36	39	20.51	20.48	20.58	20	2	
15	16QAM	75	0	20.43	20.54	20.52			
15	16QAM	1	0	20.55	20.50	20.50			
15	16QAM	1	37	20.52	20.50	20.48	20	2	
15	16QAM	1	74	20.52	20.50	20.48			
15	16QAM	36	0	20.52	20.50	20.41			
15	16QAM	36	0	19.50	19.42	19.60	21	1	
15	16QAM	36	20	19.64	19.60	19.38			
15	16QAM	36	39	19.67	19.58	19.54			
15	16QAM	75	0	19.57	19.58	19.54	19	5	
15	25QAM	1	0	17.48	17.58	17.41			
15	25QAM	1	37	17.52	17.63	17.63			
15	25QAM	1	74	17.44	17.56	17.50	19	5	
15	25QAM	36	0	17.50	17.60	17.61			
15	25QAM	36	20	17.55	17.59	17.35			
15	25QAM	36	39	17.41	17.62	17.55	19	5	
15	25QAM	75	0	17.47	17.39	17.50			
15	25QAM	75	0	17.47	17.39	17.50			
Channel				20740	20885	20990 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.38	22.38	22.44	24	0	
10	QPSK	1	25	22.21	22.33	22.21			
10	QPSK	1	25	22.21	22.33	22.21			
10	QPSK	25	0	21.37	21.45	21.36	23	1	
10	QPSK	25	12	21.35	21.46	21.32			
10	QPSK	25	25	21.37	21.36	21.34			
10	QPSK	50	0	21.41	21.37	21.41	22	2	
10	16QAM	1	0	21.43	21.34	21.31			
10	16QAM	1	25	21.43	21.34	21.31			
10	16QAM	1	49	21.33	21.36	21.35	21	3	
10	16QAM	25	0	20.53	20.45	20.33			
10	16QAM	25	12	20.44	20.41	20.32			
10	16QAM	25	25	20.37	20.48	20.27	21	3	
10	16QAM	50	0	19.45	19.39	19.34			
10	16QAM	50	25	19.46	19.36	19.42			
10	16QAM	1	0	20.41	20.48	20.47	21	2	
10	16QAM	1	25	20.47	20.32	20.40			
10	16QAM	1	49	20.53	20.42	20.38			
10	16QAM	25	0	19.46	19.46	19.38	19	5	
10	16QAM	25	12	19.45	19.39	19.34			
10	16QAM	25	25	19.46	19.36	19.42			
10	25QAM	1	0	17.46	17.52	17.46	19	5	
10	25QAM	1	25	17.43	17.39	17.52			
10	25QAM	1	49	17.40	17.38	17.35			
10	25QAM	1	74	17.41	17.42	17.55	19	5	
10	25QAM	25	12	17.50	17.41	17.32			
10	25QAM	25	25	17.43	17.48	17.34			
10	25QAM	50	0	17.47	17.28	17.46	19	5	
10	25QAM	50	0	17.47	17.28	17.46			
10	25QAM	50	0	17.47	17.28	17.46			
Channel				20715	20865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.35	22.40	22.60	24	0	
5	QPSK	1	12	22.42	22.42	22.40			
5	QPSK	1	24	22.36	22.42	22.40			
5	QPSK	12	0	21.41	21.56	21.53	23	1	
5	QPSK	12	7	21.45	21.36	21.30			
5	QPSK	12	13	21.44	21.41	21.39			
5	16QAM	1	0	21.41	21.34	21.48	23	1	
5	16QAM	1	12	21.32	21.34	21.41			
5	16QAM	1	24	21.38	21.39	21.39			
5	16QAM	12	0	20.44	20.51	20.31	22	2	
5	16QAM	12	7	20.53	20.42	20.39			
5	16QAM	12	13	20.39	20.34	20.39			
5	16QAM	25	0	20.39	20.35	20.41	21	3	
5	16QAM	25	0	20.41	20.39	20.56			
5	16QAM	1	12	20.47	20.45	20.43			
5	16QAM	1	24	20.50	20.37	20.32	21	3	
5	16QAM	1	24	20.47	20.37	20.32			
5	16QAM	12	7	19.46	19.42	19.25			
5	16QAM	12	13	19.45	19.46	19.35	19	5	
5	16QAM	25	0	19.56	19.42	19.39			
5	25QAM	1	0	17.49	17.49	17.37			
5	25QAM	1	12	17.52	17.43	17.47	19	5	
5	25QAM	1	24	17.53	17.42	17.34			
5	25QAM	12	0	17.42	17.43	17.40			
5	25QAM	12	7	17.42	17.52	17.46	19	5	
5	25QAM	12	13	17.44	17.53	17.47			
5	25QAM	25	0	17.46	17.40	17.38			
Channel				20765	20865	27035	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	847.5			
3	QPSK	1	0	22.34	22.43	22.28	24	0	
3	QPSK	1	8	22.29	22.33	22.36			
3	QPSK	1	14	22.36	22.23	22.37			
3	QPSK	8	0	21.34	21.46	21.40	23	1	
3	QPSK	8	7	21.38	21.43	21.27			
3	QPSK	8	7	21.37	21.29	21.33			
3	QPSK	15	0	21.41	21.50	21.41	22	2	
3	16QAM	1	0	21.43	21.43	21.21			
3	16QAM	1	8	21.38	21.33	21.42			
3	16QAM	1	14	21.42	21.35	21.43	22	2	
3	16QAM	15	0	20.43	20.38	20.38			
3	16QAM	15	8	20.44	20.41	20.35			
3	16QAM	8	7	20.41	20.38	20.47	21	3	
3	16QAM	8	7	20.41	20.38	20.42			
3	16QAM	1	0	20.47	20.43	20.40			
3	16QAM	1	8	20.42	20.35	20.42	21	3	
3	16QAM	1	14	20.44	20.42	20.38			
3	16QAM	8	0	19.37	19.41	19.50			
3	16QAM	8	4	19.54	19.47	19.34	19	5	
3	16QAM	8	7	19.44	19.49	19.49			
3	16QAM	15	0	19.54	19.33	19.38			
3	25QAM	1	0	17.49	17.49	17.31	19	5	
3	25QAM	1	8	17.35	17.45	17.37			
3	25QAM	1	14	17.37	17.36	17.37			
3	25QAM	8	4	17.43	17.51	17.52	19	5	
3	25QAM	8	4	17.43	17.51	17.52			
3	25QAM	15	0	17.47	17.47	17.48			
Channel				20867	20865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.32	22.39	22.43	24	0	
1.4	QPSK	1	3	22.09	22.28	22.08			
1.4	QPSK	1	5	22.29	22.07	22.02			
1.4	QPSK	3	0	22.33	22.22	22.32	24	0	
1.4	QPSK	3	1	22.29	22.23	22.21			
1.4	QPSK	3	3	22.29	22.33	22.34			
1.4	16QAM	1	0	21.32	21.32	21.20	23	1	
1.4	16QAM	1	3	21.15	21.25	21.38			
1.4	16QAM	1	5	21.25	21.27	21.24			
1.4	16QAM	3	0	21.21	21.41	21.17	22	2	
1.4	16QAM	3	1	21.35	21.33	21.29			
1.4	16QAM	3	3	21.27	21.39	21.32			
1.4	16QAM	6	0	20.33	20.33	20.22	22	2	
1.4	16QAM	6	0	20.33	20.33	20.22			
1.4	16QAM	6	0	20.33	20.33	20.22			
1.4	16QAM	1	5	20.33	20.29	20.29	21	3	
1.4	16QAM	3	0	20.25	20.37	20.18			
1.4	16QAM	3	1	20.31	20.38	20.25			
1.4	25QAM	1	3	20.31	20.38	20.27	19	5	
1.4	25QAM	1	5	17.40	17.38	17.37			
1.4	25QAM	3	0	17.44	17.25	17.50			
1.4	25QAM	3	1	17.38	17.37	17.37	19	5	
1.4	25QAM	3	3	17.25	17.47	17.35			
1.4	25QAM	6	0	17.18	17.37	17.40			

Band 38 Ant 0 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											
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	20.52	20.55	20.53	21.5	0			
20	QPSK	49	20.39	20.49	20.34						
20	QPSK	1	99	20.44	20.53	20.43	21.5	0			
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	20.49					
20	QPSK	100	0	20.48	20.51	20.50	21.5	0			
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	20.39	20.48	20.47					
20	16QAM	50	0	20.43	20.53	20.43	21.5	0			
20	16QAM	50	24	20.38	20.42	20.39					
20	16QAM	50	50	20.41	20.53	20.37	21.5	0			
20	16QAM	100	0	20.36	20.50	20.35					
20	16QAM	1	99	20.45	20.40	20.38	21	0.5			
20	64QAM	50	0	19.47	19.48	19.48					
20	64QAM	50	24	19.56	19.63	19.46	21	0.5			
20	64QAM	50	50	19.48	19.53	19.48					
20	64QAM	100	0	19.58	19.49	19.41	19				
20	256QAM	1	0	17.51	17.66	17.47					
20	256QAM	1	49	17.56	17.54	17.55	19	2.5			
20	256QAM	1	99	17.46	17.59	17.56					
20	256QAM	50	0	17.48	17.49	17.54	19	2.5			
20	256QAM	50	24	17.60	17.63	17.60					
20	256QAM	50	50	17.49	17.65	17.46	19	2.5			
20	256QAM	100	0	17.47	17.51	17.48					
Channel											
Frequency (MHz)				2577.5	2595	2612.5	Time-up limit (dBm)	MPR (dB)			
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	20.37	20.36	20.28	21.5	0			
15	QPSK	36	0	20.37	20.40	20.28					
15	QPSK	36	20	20.38	20.35	20.37	21.5	0			
15	QPSK	36	39	20.38	20.48	20.29					
15	16QAM	1	0	20.39	20.40	20.42	21.5	0			
15	16QAM	1	37	20.44	20.49	20.33					
15	16QAM	1	74	20.32	20.42	20.32	21.5	0			
15	16QAM	36	0	20.33	20.39	20.33					
15	16QAM	36	20	20.36	20.41	20.34	21.5	0			
15	16QAM	36	39	20.44	20.44	20.34					
15	16QAM	75	0	20.35	20.40	20.32	21.5	0			
15	64QAM	1	0	20.33	20.49	20.34					
15	64QAM	1	37	20.45	20.40	20.42	21	0.5			
15	64QAM	1	74	20.46	20.39	20.42					
15	64QAM	36	0	19.41	19.40	19.54	21	0.5			
15	64QAM	36	20	19.47	19.47	19.28					
15	64QAM	36	39	19.44	19.45	19.43	19				
15	64QAM	75	0	19.46	19.46	19.46					
15	256QAM	1	0	17.44	17.56	17.29	19	2			
15	256QAM	1	37	17.45	17.54	17.43					
15	256QAM	1	74	17.38	17.39	17.45	19	2			
15	256QAM	36	0	17.40	17.53	17.42					
15	256QAM	36	20	17.48	17.53	17.46	19	2			
15	256QAM	36	39	17.38	17.58	17.34					
15	256QAM	75	0	17.36	17.28	17.33	19	2			
Channel											
Frequency (MHz)				2575	2595	2615	Time-up limit (dBm)	MPR (dB)			
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	20.40					
10	QPSK	25	12	20.38	20.44	20.32	21.5	0			
10	QPSK	25	25	20.35	20.46	20.41					
10	QPSK	50	0	20.40	20.35	20.41	21.5	0			
10	IQAM	1	0	20.32	20.44	20.29					
10	IQAM	1	0	20.41	20.41	20.41	21.5	0			
10	IQAM	1	49	20.44	20.44	20.29					
10	16QAM	1	0	20.42	20.44	20.29	21.5	0			
10	16QAM	25	0	20.37	20.47	20.44					
10	16QAM	25	12	20.38	20.35	20.36	21.5	0			
10	16QAM	25	25	20.39	20.37	20.40					
10	16QAM	50	0	20.40	20.48	20.37	21.5	0			
10	64QAM	1	0	20.40	20.50	20.43					
10	64QAM	1	25	20.43	20.39	20.37	21.5	0			
10	64QAM	1	49	20.44	20.44	20.43					
10	64QAM	25	0	19.41	19.31	19.52	21	0.5			
10	64QAM	25	12	19.42	19.52	19.28					
10	64QAM	25	25	19.47	19.39	19.47	19				
10	64QAM	50	0	19.48	19.33	19.31					
10	256QAM	1	0	17.48	17.45	17.40	19	2.5			
10	256QAM	1	25	17.45	17.50	17.55					
10	256QAM	1	49	17.39	17.39	17.47	19	2.5			
10	256QAM	25	0	17.50	17.37	17.46					
10	256QAM	25	12	17.51	17.54	17.36	19	2.5			
10	256QAM	25	25	17.37	17.50	17.38					
10	256QAM	50	0	17.37	17.31	17.43	19	2.5			
Channel											
Frequency (MHz)				37775	38000	38225	Time-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	20.42	20.44	20.36	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	20.31					
5	QPSK	12	7	20.37	20.42	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	21.5	0			
5	16QAM	1	0	20.40	20.38	20.43					
5	16QAM	1	12	20.43	20.46	20.33	21.5	0			
5	16QAM	1	24	20.44	20.41	20.31					
5	16QAM	12	0	20.44	20.43	20.35	21.5	0			
5	16QAM	12	7	20.48	20.45	20.34					
5	16QAM	12	13	20.47	20.43	20.39	21.5	0			
5	16QAM	25	0	20.40	20.41	20.35					
5	64QAM	1	0	20.40	20.44	20.43	21	0.5			
5	64QAM	1	24	20.46	20.45	20.41					
5	64QAM	1	49	20.46	20.46	20.37	21	0.5			
5	64QAM	12	7	19.49	19.43	19.25					
5	64QAM	12	13	19.48	19.42	19.37	21	0.5			
5	64QAM	25	0	19.54	19.43	19.31					
5	256QAM	1	0	17.43	17.44	17.32	19	2.5			
5	256QAM	1	12	17.47	17.47	17.54					
5	256QAM	1	24	17.45	17.40	17.34	19	2.5			
5	256QAM	12	0	17.37	17.36	17.30					
5	256QAM	12	7	17.44	17.40	17.38	19	2.5			
5	256QAM	12	13	17.47	17.44	17.39					
5	256QAM	25	0	17.44	17.31	17.41	19	2.5			

GSM850 Ant 1 DS17									
GSM850 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		126	189	251	Limit		126	189	251
Frequency (MHz)		142.2	148.4	144.8			142.2	148.4	144.8
GSM 1 Tx slot		31.88	32.75	32.98	33.50		22.88	23.75	23.98
GPRS 1 Tx slot		31.96	32.65	32.96	33.50		22.96	23.65	23.96
GPRS 2 Tx slots		29.67	30.96	30.95	31.50		23.67	24.96	24.50
GPRS 3 Tx slots		28.12	28.97	28.88	30.00		23.86	24.71	24.62
GPRS 4 Tx slots		25.52	27.16	27.47	27.50		22.52	24.16	24.47
EDGE 1 Tx slot		25.81	26.52	26.54	27.00		16.81	17.52	17.54
EDGE 2 Tx slots		24.47	25.27	25.32	26.00		18.47	19.27	19.32
EDGE 3 Tx slots		22.91	23.84	23.76	24.50		18.65	19.98	20.24
EDGE 4 Tx slots		21.23	22.16	22.18	23.00		18.23	19.16	19.18
GSM1900 Ant 1 DS17									
GSM1900 Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1850.2	1860	1868.8	Limit (dBm)		1850.2	1860	1868.8
GSM 1 Tx slot		27.01	27.75	27.81	28.80		18.01	18.75	18.81
GPRS 1 Tx slot		26.97	27.85	27.83	28.80		17.97	18.85	18.83
GPRS 2 Tx slots		24.04	25.33	25.31	25.80		18.04	19.33	19.31
GPRS 3 Tx slots		22.43	23.43	23.36	24.10		18.17	19.17	19.10
GPRS 4 Tx slots		21.07	22.08	22.50	22.80		18.07	19.08	19.50
EDGE 1 Tx slot		22.55	23.78	23.77	24.50		13.55	14.78	14.77
EDGE 2 Tx slots		21.68	22.65	22.78	23.50		15.68	16.68	16.78
EDGE 3 Tx slots		20.05	21.05	21.14	22.00		15.79	16.78	16.88
EDGE 4 Tx slots		18.49	19.53	19.55	20.00		15.49	16.53	16.55
WCDMA II Ant 1 DS17									
WCDMA II Ant 1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		9262	9400	9538	Limit		1312	1413	1513
Rx Channel		9602	9800	9938	Limit (dBm)		1537	1608	1708
Frequency (MHz)		1852.4	1860	1867.6			1712.4	1752.6	1752.6
3GPP Ref #9		AMR 12.2Kbps	17.13	17.22	17.15	18.20	17.81	17.83	17.81
3GPP Ref #6		RMC 12.2Kbps	17.19	17.23	17.22	18.20	17.87	17.91	17.86
3GPP Ref #8		HSDPA Subtest-1	16.41	16.31	16.38	17.20	17.08	16.95	17.08
3GPP Ref #6		HSDPA Subtest-2	16.29	16.27	16.35	17.20	16.93	16.89	16.98
3GPP Ref #6		HSDPA Subtest-3	15.69	15.83	15.87	16.70	16.31	16.43	16.45
3GPP Ref #6		HSDPA Subtest-4	15.66	15.87	15.86	16.70	16.31	16.46	16.47
3GPP Ref #8		DC-HSDPA Subtest-1	16.33	16.36	16.35	17.20	16.81	16.91	16.92
3GPP Ref #8		DC-HSDPA Subtest-2	16.35	16.46	16.11	17.20	16.91	17.10	16.83
3GPP Ref #8		DC-HSDPA Subtest-3	15.83	15.69	15.72	16.70	16.44	16.27	16.41
3GPP Ref #8		DC-HSDPA Subtest-4	15.66	15.80	15.80	16.70	16.32	16.36	16.36
3GPP Ref #6		HSUPA Subtest-1	16.41	16.35	16.34	17.20	16.95	16.84	17.02
3GPP Ref #6		HSUPA Subtest-2	14.13	14.45	14.43	15.20	14.72	14.92	15.01
3GPP Ref #6		HSUPA Subtest-3	15.26	15.32	15.36	16.20	15.78	15.86	15.94
3GPP Ref #6		HSUPA Subtest-4	14.20	14.30	14.29	15.20	14.80	14.93	15.00
3GPP Ref #6		HSUPA Subtest-5	16.19	16.29	16.29	17.20	16.79	16.85	17.02



Band 2 Ant 1 DS17												
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Max Ch./Freq.	Power Min Ch./Freq.	Power High Ch./Freq.	Turn-on time [sec]	APR (dB)				
Channel												
Frequency [MHz]												
20	QPSK	1	0	16.14	16.15	16.11			17.5	0		
20	QPSK	1	48	16.12	16.13	16.08						
20	QPSK	1	96	16.08	16.13	16.05						
20	QPSK	50	24	16.09	16.12	16.04						
20	QPSK	50	50	16.05	16.05	16.07			17.5	0		
20	QPSK	100	0	16.08	16.11	16.09						
20	16QAM	1	96	16.01	16.04	16.04						
20	16QAM	50	0	16.02	16.00	16.11						
20	16QAM	50	24	16.10	16.05	16.02			17.5	0		
20	16QAM	50	50	16.09	16.07	16.05						
20	16QAM	100	0	15.96	16.01	15.96						
20	16QAM	1	0	15.98	16.01	15.96						
20	16QAM	1	48	15.97	16.05	16.02			17.5	0		
20	16QAM	1	96	15.99	16.01	16.02						
20	16QAM	50	24	16.02	16.10	16.05						
20	16QAM	50	50	16.01	16.05	16.07						
20	256QAM	1	96	15.96	15.96	16.08			17.5	0		
20	256QAM	1	96	16.01	16.05	16.07						
20	256QAM	50	24	16.09	16.05	16.09						
20	256QAM	50	50	15.97	16.07	16.01						
20	256QAM	100	0	15.98	16.02	16.01			17.5	0		
20	256QAM	100	50	15.99	16.00	15.99						
Channel												
Frequency [MHz]												
16	QPSK	1	0	15.88	16.01	15.85			17.5	0		
16	QPSK	1	37	15.82	16.03	15.99						
16	QPSK	1	74	15.68	16.00	15.99						
16	QPSK	36	0	15.88	15.88	15.88						
16	QPSK	36	36	15.84	15.91	15.87			17.5	0		
16	QPSK	36	36	15.86	15.86	15.88						
16	QPSK	75	0	15.91	15.95	15.94						
16	16QAM	1	0	15.88	15.99	15.88						
16	16QAM	1	37	15.96	16.00	15.95			17.5	0		
16	16QAM	1	74	15.87	15.93	15.94						
16	16QAM	36	0	15.87	15.96	15.99						
16	16QAM	36	36	15.91	16.01	15.94						
16	16QAM	75	0	15.98	16.00	15.96			17.5	0		
16	16QAM	75	0	15.98	16.00	15.96						
16	16QAM	1	37	15.95	16.02	15.98						
16	16QAM	1	74	15.93	15.91	15.95						
16	16QAM	36	0	15.95	15.95	15.88			17.5	0		
16	16QAM	36	36	15.92	16.02	16.00						
16	16QAM	36	36	15.95	15.92	15.90						
16	16QAM	75	0	15.87	15.93	15.88						
16	256QAM	1	37	15.97	16.00	15.95			17.5	0		
16	256QAM	1	74	15.99	15.94	15.96						
16	256QAM	36	0	15.92	15.98	15.94						
16	256QAM	36	36	15.95	15.87	15.94						
16	256QAM	75	0	15.88	15.96	15.92			17.5	0		
16	256QAM	75	0	15.88	15.96	15.92						
16	256QAM	1	37	15.97	16.00	15.95						
16	256QAM	1	74	15.99	15.94	15.96						
16	256QAM	36	0	15.92	15.98	15.94			17.5	0		
16	256QAM	36	36	15.95	15.87	15.94						
16	256QAM	36	36	15.88	15.88	15.92						
16	256QAM	75	0	15.88	15.96	15.92						
Channel												
Frequency [MHz]												
16	QPSK	1	0	15.84	15.92	15.84			17.5	0		
16	QPSK	1	25	15.86	15.95	15.93						
16	QPSK	1	49	15.91	15.95	15.91						
16	QPSK	25	0	15.90	15.92	15.90						
16	QPSK	25	12	15.88	16.02	15.92			17.5	0		
16	QPSK	25	25	15.93	16.00	15.94						
16	QPSK	16	0	15.91	16.01	15.91						
16	16QAM	1	0	15.87	15.98	15.92						
16	16QAM	1	25	15.96	15.88	15.90			17.5	0		
16	16QAM	1	49	15.90	15.96	15.92						
16	16QAM	25	0	15.90	15.94	15.92						
16	16QAM	25	12	15.99	15.88	15.97						
16	16QAM	36	0	15.92	15.96	15.97			17.5	0		
16	16QAM	36	36	15.95	15.89	15.87						
16	16QAM	50	0	15.93	15.89	15.87						
16	16QAM	1	0	15.85	15.98	15.90						
16	16QAM	1	25	15.92	15.95	15.91			17.5	0		
16	16QAM	1	49	15.95	15.98	15.95						
16	16QAM	25	0	15.95	15.88	15.94						
16	16QAM	25	12	15.94	15.95	15.98						
16	16QAM	25	25	15.85	15.97	15.92			17.5	0		
16	16QAM	50	0	15.87	15.87	16.01						
16	256QAM	1	0	15.85	15.93	15.85						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15.96			17.5	0		
16	256QAM	1	49	15.90	16.00	15.96						
16	256QAM	25	0	15.84	15.91	15.93						
16	256QAM	25	12	15.92	15.98	15.94						
16	256QAM	25	25	15.86	15.93	15.98			17.5	0		
16	256QAM	50	0	15.85	15.98	15.90						
16	256QAM	50	25	15.82	15.94	15.99						
16	256QAM	1	25	15.82	15.85	15.96						
16	256QAM	1	49	15.90	16.00	15						



Band 12 Ant 1 DSI7												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.45	22.50	22.48			24	0		
10	QPSK	1	25	22.24	22.42	22.48						
10	QPSK	1	49	22.42	22.31	22.31			23	1		
10	QPSK	25	0	21.42	21.56	21.55						
10	QPSK	25	12	21.43	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			23	1		
10	16QAM	1	0	21.55	21.52	21.53						
10	16QAM	1	25	21.37	21.47	21.48			22	2		
10	16QAM	1	49	21.47	21.43	21.48						
10	16QAM	25	0	20.59	20.59	20.59			22	2		
10	16QAM	25	12	20.59	20.58	20.51						
10	16QAM	25	25	20.32	20.34	20.57			22	2		
10	84QAM	1	0	20.42	20.55	20.56						
10	84QAM	1	25	20.36	20.42	20.36			22	2		
10	84QAM	1	49	20.49	20.45	20.45						
10	84QAM	25	0	19.41	19.43	19.54			21	3		
10	84QAM	25	12	19.56	19.42	19.57						
10	84QAM	25	25	19.59	19.35	19.62			19	5		
10	84QAM	50	0	19.47	19.43	19.35						
10	256QAM	1	0	17.62	17.53	17.38			19	5		
10	256QAM	1	25	17.43	17.50	17.61						
10	256QAM	1	49	17.45	17.37	17.44			19	5		
10	256QAM	25	0	17.42	17.51	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	17.47						
10	256QAM	50	0	17.43	17.43	17.47						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.42	22.41	22.27			24	0		
5	QPSK	1	25	22.30	22.47	22.43						
5	QPSK	1	24	22.41	22.20	22.37			23	1		
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	21.32						
5	QPSK	25	0	21.48	21.52	21.51			23	1		
5	16QAM	1	0	21.51	21.48	21.54						
5	16QAM	1	12	21.30	21.37	21.42			22	2		
5	16QAM	1	25	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	25	0	20.42	20.57	20.48			22	2		
5	84QAM	1	0	20.39	20.39	20.30						
5	84QAM	1	25	20.36	20.49	20.38			21	3		
5	84QAM	1	24	20.45	20.47	20.40						
5	84QAM	12	0	19.42	19.44	19.49			19	5		
5	84QAM	12	7	19.43	19.33	19.35						
5	84QAM	12	13	19.43	19.36	19.57			19	5		
5	84QAM	25	0	19.48	19.35	19.25						
5	256QAM	1	0	17.51	17.43	17.54			19	5		
5	256QAM	1	12	17.59	17.48	17.55						
5	256QAM	1	24	17.34	17.33	17.37			19	5		
5	256QAM	12	0	17.46	17.36	17.42						
5	256QAM	12	7	17.46	17.37	17.41			19	5		
5	256QAM	12	13	17.36	17.41	17.39						
5	256QAM	25	0	17.41	17.33	17.47			19	5		
5	256QAM	25	0	17.42	17.38	17.45						
5	256QAM	25	12	17.42	17.42	17.45						
5	256QAM	25	25	17.38	17.47	17.45						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.45	22.45	22.27			24	0		
3	QPSK	1	8	22.28	22.38	22.43						
3	QPSK	1	14	22.46	22.31	22.31			23	1		
3	QPSK	5	0	21.41	21.56	21.42						
3	QPSK	5	4	21.39	21.51	21.34			23	1		
3	QPSK	5	7	21.49	21.35	21.48						
3	QPSK	16	0	21.47	21.51	21.42			23	1		
3	16QAM	1	0	21.20	21.38	21.30						
3	16QAM	1	8	21.34	21.44	21.41			22	2		
3	16QAM	1	14	21.37	21.45	21.51						
3	16QAM	5	0	20.53	20.37	20.30			22	2		
3	16QAM	5	4	20.35	20.47	20.28						
3	16QAM	5	7	20.32	20.30	20.48			21	3		
3	16QAM	16	0	20.41	20.48	20.42						
3	84QAM	1	0	20.42	20.42	20.43			22	2		
3	84QAM	1	8	20.33	20.45	20.30						
3	84QAM	1	14	20.45	20.50	20.34			22	2		
3	84QAM	5	0	19.43	19.44	19.35						
3	84QAM	5	4	19.50	19.35	19.35			21	3		
3	84QAM	5	7	19.49	19.31	19.49						
3	84QAM	16	0	19.54	19.40	19.20			19	5		
3	256QAM	1	0	17.53	17.48	17.34						
3	256QAM	1	8	17.39	17.51	17.48			19	5		
3	256QAM	1	14	17.34	17.54	17.45						
3	256QAM	5	0	17.25	17.41	17.44			19	5		
3	256QAM	5	4	17.57	17.47	17.52						
3	256QAM	5	7	17.48	17.51	17.38			19	5		
3	256QAM	16	0	17.41	17.30	17.45						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.45	22.52	22.45			24	0		
1.4	QPSK	1	3	22.26	22.35	22.14						
1.4	QPSK	1	5	22.42	22.28	22.39			24	0		
1.4	QPSK	3	0	22.27	22.34	22.44						
1.4	QPSK	3	1	22.41	22.33	22.52			23	1		
1.4	QPSK	3	3	22.47	22.37	22.43						
1.4	QPSK	6	0	21.36	21.36	21.57			23	1		
1.4	16QAM	1	0	21.42	21.48	21.23						
1.4	16QAM	1	3	21.39	21.31	21.27			23	1		
1.4	16QAM	1	5	21.27	21.38	21.35						
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	21.48	21.41			22	2		
1.4	16QAM	6	0	20.33	20.40	20.37						
1.4	84QAM	1	0	20.55	20.43	20.50			21	3		
1.4	84QAM	1	3	20.37	20.38	20.32						
1.4	84QAM	3	0	20.40	20.37	20.40			22	2		
1.4	84QAM	3	3	20.47	20.32	20.42						
1.4	256QAM	1	0	19.36	19.33	19.34			21	3		
1.4	256QAM	1	0	17.40	17.51	17.36						
1.4	256QAM	1	3	17.42	17.51	17.52			21	3		
1.4	256QAM	1	5	17.53	17.44	17.40						
1.4	256QAM	3	0	17.54	17.48	17.57			21	3		
1.4	256QAM	3	1	17.50	17.45	17.25						
1.4	256QAM	3	3	17.42	17.57	17.25			21	3		
1.4	256QAM	6	0	17.59	17.36	17.58						

Band 13 Ant 1 DSI7 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.45	22.45	24	0		
10	QPSK	1	25	22.45	22.45	22.45				
10	QPSK	1	49	22.32	22.32	22.32	23	1		
10	QPSK	25	0	21.54	21.54	21.54				
10	QPSK	25	12	21.48	21.48	21.48	22	2		
10	QPSK	25	37	21.32	21.32	21.32				
10	QPSK	50	0	21.51	21.51	21.51	21	3		
10	QPSK	50	25	21.47	21.47	21.47				
10	QPSK	50	50	21.45	21.45	21.45	20	4		
10	QPSK	50	75	21.45	21.45	21.45				
10	QPSK	25	0	20.96	20.96	20.96	19	5		
10	QPSK	25	12	20.96	20.96	20.96				
10	QPSK	25	37	20.96	20.96	20.96	18	6		
10	QPSK	25	62	20.96	20.96	20.96				
10	QPSK	50	0	17.54	17.54	17.54	17	7		
10	QPSK	50	25	17.48	17.48	17.48				
10	QPSK	50	50	17.48	17.48	17.48	16	8		
10	QPSK	50	75	17.48	17.48	17.48				
10	QPSK	25	0	16.31	16.31	16.31	15	9		
10	QPSK	25	12	16.31	16.31	16.31				
10	QPSK	25	37	16.31	16.31	16.31	14	10		
10	QPSK	25	62	16.31	16.31	16.31				
10	QPSK	50	0	17.45	17.45	17.45	13	11		
10	QPSK	50	25	17.45	17.45	17.45				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.43	22.43	24	0		
5	QPSK	1	12	22.28	22.44	22.48				
5	QPSK	1	25	22.17	22.17	22.17	23	1		
5	QPSK	12	0	21.33	21.34	21.34				
5	QPSK	12	7	21.38	21.44	21.50	22	2		
5	QPSK	12	14	21.39	21.39	21.39				
5	QPSK	25	0	21.51	21.49	21.53	21	3		
5	QPSK	25	12	21.22	21.47	21.18				
5	QPSK	1	24	21.31	21.31	21.42	20	4		
5	QPSK	12	0	20.44	20.30	20.23				
5	QPSK	12	7	20.43	20.43	20.39	19	5		
5	QPSK	12	13	20.32	20.42	20.46				
5	QPSK	25	0	20.95	20.92	20.98	18	6		
5	QPSK	25	12	20.93	20.93	20.93				
5	QPSK	1	12	20.29	20.43	20.33	17	7		
5	QPSK	1	24	20.29	20.42	20.24				
5	QPSK	1	37	20.38	20.38	20.43	16	8		
5	QPSK	12	0	19.49	19.38	19.52				
5	QPSK	12	13	19.36	19.39	19.50	15	9		
5	QPSK	12	24	19.48	19.33	19.51				
5	QPSK	1	0	17.44	17.56	17.67	14	10		
5	QPSK	1	12	17.32	17.43	17.54				
5	QPSK	25	0	17.26	17.26	17.38	13	11		
5	QPSK	25	12	17.39	17.34	17.33				
5	QPSK	25	37	17.37	17.37	17.37	12	12		
5	QPSK	25	62	17.46	17.26	17.45				

Band 25 Ant 1 DS17												
BW (MHz)	Modulat (MHz)	RB Size (MHz)	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-on Time (sec)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.15	16.17	16.11			17.5	0		
20	QPSK	1	49	15.87	16.12	16.12						
20	QPSK	1	96	15.86	16.01	15.96			17.5	0		
20	QPSK	50	0	16.12	16.15	16.13						
20	QPSK	50	24	16.05	16.12	16.05			17.5	0		
20	QPSK	50	50	16.03	15.99	16.06						
20	QPSK	100	0	16.08	16.14	16.08			17.5	0		
20	ISDM	1	0	16.03	16.01	16.05						
20	ISDM	1	49	15.86	16.00	16.03			17.5	0		
20	ISDM	1	99	16.06	16.07	16.06						
20	ISDM	50	0	16.03	16.02	16.11			17.5	0		
20	ISDM	50	24	15.87	15.99	16.07						
20	ISDM	50	50	16.10	16.04	15.96			17.5	0		
20	ISDM	100	0	16.02	16.09	15.96						
20	ISDM	1	0	16.04	16.11	16.06			17.5	0		
20	ISDM	1	49	15.98	16.05	15.96						
20	ISDM	1	99	16.01	16.05	15.96			17.5	0		
20	ISDM	50	24	16.03	15.97	16.05						
20	ISDM	50	50	16.09	16.10	16.01			17.5	0		
20	ISDM	100	0	16.05	16.05	16.10						
20	ISDM	1	0	16.06	16.04	16.09			17.5	0		
20	ISDM	1	49	15.96	16.04	16.09						
20	ISDM	1	99	16.04	16.03	16.07			17.5	0		
20	ISDM	50	24	15.97	15.98	16.05						
20	ISDM	50	50	16.03	16.04	16.04			17.5	0		
20	ISDM	100	0	16.09	16.02	16.04						
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.93	15.90	15.91			17.5	0		
15	QPSK	1	37	15.99	15.84	16.01						
15	QPSK	1	74	15.92	15.92	15.94			17.5	0		
15	QPSK	36	0	15.99	15.99	15.94						
15	QPSK	36	20	15.91	15.86	15.92			17.5	0		
15	QPSK	36	36	15.99	16.01	15.95						
15	ISDM	1	0	15.87	15.91	15.95			17.5	0		
15	ISDM	1	0	15.98	15.96	16.00						
15	ISDM	1	37	15.90	15.88	15.90			17.5	0		
15	ISDM	1	74	16.01	16.01	15.91						
15	ISDM	1	99	15.95	16.00	16.00			17.5	0		
15	ISDM	36	20	15.91	15.95	15.98						
15	ISDM	36	36	15.94	15.95	15.96			17.5	0		
15	ISDM	75	0	15.94	15.99	15.97						
15	ISDM	1	0	15.94	15.87	15.97			17.5	0		
15	ISDM	1	37	15.95	15.92	15.95						
15	ISDM	1	74	15.94	15.93	15.95			17.5	0		
15	ISDM	36	0	15.96	15.89	15.88						
15	ISDM	36	20	15.92	16.01	15.96			17.5	0		
15	ISDM	36	36	15.95	16.01	15.98						
15	ISDM	75	0	15.86	15.91	15.97			17.5	0		
15	ISDM	1	0	15.85	15.90	15.91						
15	ISDM	1	37	15.98	15.89	15.99			17.5	0		
15	ISDM	1	74	15.90	15.96	15.99						
15	ISDM	36	0	15.93	15.94	15.96			17.5	0		
15	ISDM	36	20	15.96	15.98	15.98						
15	ISDM	36	36	15.92	15.97	15.93			17.5	0		
15	ISDM	75	0	15.86	15.91	15.88						
Channel												
Frequency (MHz)												
10	QPSK	1	0	10.93	10.91	10.90			17.5	0		
10	QPSK	1	12	10.86	10.97	10.92						
10	QPSK	1	24	10.86	10.92	10.90			17.5	0		
10	QPSK	1	37	10.89	10.91	10.91						
10	QPSK	12	7	10.95	10.96	10.96			17.5	0		
10	QPSK	12	13	10.99	10.96	10.96						
10	QPSK	25	0	10.95	10.89	10.91			17.5	0		
10	ISDM	1	0	10.95	10.89	10.90						
10	ISDM	1	12	10.98	10.99	10.95			17.5	0		
10	ISDM	1	14	10.89	10.91	10.91						
10	ISDM	12	0	10.95	10.90	10.87			17.5	0		
10	ISDM	12	7	10.98	10.96	10.97						
10	ISDM	12	13	10.93	10.93	10.98			17.5	0		
10	ISDM	25	0	10.88	10.91	10.91						
10	ISDM	1	0	10.86	10.96	10.86			17.5	0		
10	ISDM	1	12	10.89	10.92	10.94						
10	ISDM	1	24	10.91	10.92	10.99			17.5	0		
10	ISDM	12	0	10.91	10.94	10.99						
10	ISDM	12	7	10.87	10.92	10.87			17.5	0		
10	ISDM	12	13	10.96	10.90	10.94						
10	ISDM	25	0	10.90	10.89	10.98			17.5	0		
10	ISDM	1	0	10.90	10.89	10.98						
10	ISDM	1	12	10.88	10.87	10.85			17.5	0		
10	ISDM	1	24	10.92	10.98	10.99						
10	ISDM	12	0	10.84	10.86	10.95			17.5	0		
10	ISDM	12	7	10.98	10.90	10.87						
10	ISDM	12	13	10.93	10.94	10.87			17.5	0		
10	ISDM	25	0	10.95	10.93	10.93						
Channel												
Frequency (MHz)												
5	QPSK	1	0	5.93	5.89	5.86			17.5	0		
5	QPSK	1	12	5.99	5.87	5.92						
5	QPSK	1	24	5.86	5.92	5.90			17.5	0		
5	QPSK	1	37	5.95	5.84	5.91						
5	QPSK	12	7	5.95	5.89	5.96			17.5	0		
5	QPSK	12	13	5.99	5.96	5.96						
5	QPSK	25	0	5.95	5.89	5.91			17.5	0		
5	ISDM	1	0	5.95	5.89	5.90						
5	ISDM	1	12	5.98	5.99	5.95			17.5	0		
5	ISDM	1	14	5.89	5.91	5.91						
5	ISDM	12	0	5.95	5.89	5.87			17.5	0		
5	ISDM	12	7	5.98	5.96	5.97						
5	ISDM	12	13	5.93	5.93	5.98			17.5	0		
5	ISDM	25	0	5.88	5.91	5.91						
5	ISDM	1	0	5.86	5.96	5.86			17.5	0		
5	ISDM	1	12	5.89	5.92	5.94						
5	ISDM	1	24	5.91	5.92	5.99			17.5	0		
5	ISDM	12	0	5.91	5.94	5.99						
5	ISDM	12	7	5.87	5.92	5.87			17.5	0		
5	ISDM	12	13	5.96	5.90	5.94						
5	ISDM	25	0	5.90	5.89	10.98			17.5	0		
5	ISDM	1	0	5.90	5.89	10.98						
5	ISDM	1	12	10.88	10.87	10.85			17.5	0		
5	ISDM	1	24	10.92	10.98	10.99						
5	ISDM	12	0	10.84	10.86	10.95			17.5	0		
5	ISDM	12	7	10.98	10.90	10.87						
5	ISDM	12	13	10.93	10.94	10.87			17.5	0		
5	ISDM	25	0	10.95	10.93	10.93						
Channel												
Frequency (MHz)												
3	QPSK	1	0	3.93	3.89	3.90			17.5	0		
3	QPSK	1	8	3.93	3.87	3.95						
3	QPSK	1	14	3.89	3.90	3.98			17.5	0		
3	QPSK	8	0	3.90	3.84	3.96						
3	QPSK	8	4	3.98	3.88	3.91			17.5	0		
3	QPSK	8	7	3.93	3.96	3.96						
3	QPSK	15	0	3.95	3.90	3.93			17.5	0		
3	ISDM	1	0	3.92	3.97	3.89						
3	ISDM	1	8	3.95	3.90	3.93			17.5	0		
3	ISDM	1	14	3.87	3.92	3.90						
3	ISDM	8	0	3.94	3.90	3.96			17.5	0		
3	ISDM	8	4	3.98	3.88	3.91						
3	ISDM	8	7	3.93	3.96	3.96			17.5	0		
3	ISDM	15	0	3.95	3.90	3.93						
3	ISDM	1	0	3.92	3.97	3.89			17.5	0		
3	ISDM	1	8	3.95	3.90	3.93						
3	ISDM	1	14	3.87	3.92	3.90			17.5	0		
3	ISDM	8	0	3.94	3.90	3.96						
3	ISDM	8	4	3.98	3.88	3.91			17.5	0		
3	ISDM	8	7	3.93	3.96	3.96						
3	ISDM	15	0	3.95	3.90	3.93			17.5	0		
3	ISDM	1	0	3.92	3.97	3.89						
3	ISDM	1	8	3.95	3.89	3.93			17.5	0		
3	ISDM	1	14	3.87	3.92	3.90						
3	ISDM	8	0	3.94	3.90	3.96			17.5	0		
3	ISDM	8	4	3.98	3.88	3.91						
3	ISDM	8	7	3.93	3.96	3.96			17.5	0		
3	ISDM	15	0	3.95	3.90	3.93						
3	ISDM	1	0	3.92	3.97	3.89			17.5	0		
3	ISDM	1	8	3.95	3.89	3.93						
3	ISDM	1	14	3.87	3.92	3.90			17.5	0		
3	ISDM	8	0	3.94	3.90	3.96						
3	ISDM	8	4	3.98	3.88	3.91			17.5	0		
3	ISDM	8	7	3.93	3.96	3.96						
3	ISDM	15	0	3.95	3.90	3.93			17.5	0		
3	ISDM	1	0	3.92	3.97	3.89						
3	ISDM	1	8	3.95	3.89	3.93			17.5	0		
3	ISDM	1	14	3.87	3.92	3.90						
3	ISDM	8	0	3.94	3.90	3.96			17.5	0		
3	ISDM	8	4	3.98	3.88	3.91						
3	ISDM	8	7	3.93	3.96	3.96			17.5	0		
3	ISDM	15	0	3.95	3.90	3.93						
3	ISDM	1	0	3.92	3.97	3.89			17.5	0		
3	ISDM	1	8	3.95	3.89	3.93						
3	ISDM	1	14	3.87	3.92	3.90			17.5	0		
3	ISDM	8										

Band 38 Ant 1 DS17												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
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	17.82	17.83	17.77						
20	QPSK	50	24	17.75	17.82	17.71						
20	QPSK	50	50	17.88	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	17.68	17.73	17.77	19	0				
20	16QAM	50	50	17.73	17.76	17.82						
20	16QAM	100	0	17.82	17.67	17.75						
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	17.68	17.75	17.73						
20	16QAM	50	0	17.82	17.81	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	17.78	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	17.72	19	0				
20	256QAM	50	50	17.79	17.79	17.73						
20	256QAM	100	0	17.68	17.70	17.82						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.63	17.70	17.65						
15	QPSK	1	37	17.68	17.58	17.69	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	17.62	17.71						
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	17.68	19	0				
15	16QAM	1	74	17.58	17.62	17.65						
15	16QAM	36	0	17.75	17.70	17.82						
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	75	0	17.60	17.67	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	17.60	17.67	17.69						
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	17.68	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	17.68						
15	256QAM	75	0	17.57	17.66	17.64						
Channel												
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	17.58	17.68	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	17.60	17.59	17.71						
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	17.68	17.63	17.71						
10	16QAM	25	12	17.62	17.68	17.61	19	0				
10	16QAM	25	25	17.71	17.69	17.58						
10	16QAM	50	0	17.70	17.60	17.60						
10	16QAM	50	0	17.67	17.68	17.68						
10	16QAM	50	24	17.62	17.67	17.67	19	0				
10	16QAM	50	50	17.61	17.71	17.67						
10	16QAM	100	0	17.63	17.62	17.63						
10	16QAM	100	0	17.61	17.68	17.66						
10	16QAM	25	12	17.63	17.62	17.63	19	0				
10	16QAM	25	25	17.60	17.71	17.72						
10	256QAM	50	0	17.64	17.65	17.67						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.60	17.71	17.68						
5	QPSK	1	12	17.61	17.71	17.66	19	0				
5	QPSK	1	24	17.62	17.59	17.65						
5	QPSK	5	0	17.68	17.62	17.70						
5	QPSK	12	7	17.70	17.58	17.59						
5	QPSK	12	13	17.70	17.72	17.69						
5	QPSK	25	0	17.72	17.57	17.60						
5	QPSK	25	1	17.58	17.63	17.57	19	0				
5	QPSK	1	12	17.59	17.66	17.64						
5	16QAM	1	24	17.62	17.69	17.60						
5	16QAM	12	7	17.62	17.67	17.63	19	0				
5	16QAM	12	13	17.68	17.59	17.62						
5	16QAM	25	0	17.70	17.57	17.61						
5	16QAM	25	13	17.68	17.62	17.63	19	0				
5	256QAM	1	12	17.65	17.67	17.57						
5	256QAM	1	24	17.71	17.59	17.72						
5	256QAM	12	0	17.72	17.65	17.58	19	0				
5	256QAM	12	7	17.73	17.65	17.59						
5	256QAM	12	13	17.68	17.62	17.63	19	0				
5	256QAM	25	0	17.64	17.63	17.62						

GSM1900 Ant 2 DS17									
GSM1900 Ant 2		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1852.2	1860	1868.8			1852.2	1860	1868.8
GSM 1 Tx slot		28.60	29.98	29.60	30.50		19.60	20.98	20.60
GPRS 1 Tx slot		28.65	30.03	29.65	30.50		19.65	21.03	20.65
GPRS 2 Tx slots		28.50	27.87	27.71	28.50		20.55	21.87	21.71
GPRS 3 Tx slots		25.01	26.10	26.12	27.20		20.75	21.93	21.86
GPRS 4 Tx slots		23.51	24.55	24.28	25.50		20.51	21.55	21.28
EDGE 1 Tx slot		24.74	25.69	26.07	26.50		15.74	16.69	17.07
EDGE 2 Tx slots		23.58	24.55	24.50	25.50		17.58	18.55	18.53
EDGE 3 Tx slots		22.00	23.16	23.34	24.00		17.74	18.90	19.08
EDGE 4 Tx slots		20.52	21.58	21.77	22.50		17.52	18.58	18.77
WCDMA II Ant 2 DS17									
Band		WCDMA II Ant 2			Tune-up		WCDMA IV Ant 2		
TX Channel		9282	9400	9538	Limit		1312	1413	1513
RX Channel		8952	9050	9198			1537	1638	1738
Frequency (MHz)		1852.4	1880	1907.6			1712.4	1732.6	1752.6
3GPP Rel 99		AMR 12.2Kbps	20.34	20.40	20.42	21.10	17.39	17.42	17.45
3GPP Rel 99		RMC 12.2Kbps	20.45	20.45	20.42	21.10	17.46	17.48	17.42
3GPP Rel 6		HS-DSPPA Subtest-1	19.26	19.42	19.52	20.10	16.35	16.39	16.43
3GPP Rel 6		HS-DSPPA Subtest-2	19.30	19.45	19.45	20.10	16.48	16.49	16.50
3GPP Rel 6		HS-DSPPA Subtest-3	18.70	18.90	18.80	19.60	15.84	15.94	15.79
3GPP Rel 6		HS-DSPPA Subtest-4	18.83	18.93	18.91	19.60	15.80	15.95	15.93
3GPP Rel 8		DC-HS-DSPPA Subtest-1	19.32	19.51	19.50	20.10	16.43	16.39	16.46
3GPP Rel 8		DC-HS-DSPPA Subtest-2	19.45	19.52	19.25	20.10	16.49	16.57	16.34
3GPP Rel 8		DC-HS-DSPPA Subtest-3	18.80	18.88	18.94	19.60	15.71	15.94	16.04
3GPP Rel 8		DC-HS-DSPPA Subtest-4	18.86	18.98	18.75	19.60	15.89	15.50	15.75
3GPP Rel 6		HS-UPA Subtest-1	19.41	19.45	19.41	20.10	16.38	16.43	16.37
3GPP Rel 6		HS-UPA Subtest-2	17.30	17.45	17.55	18.10	14.31	14.47	14.43
3GPP Rel 6		HS-UPA Subtest-3	18.33	18.45	18.53	19.10	15.38	15.36	15.57
3GPP Rel 6		HS-UPA Subtest-4	17.37	17.40	17.43	18.10	14.35	14.50	14.49
3GPP Rel 6		HS-UPA Subtest-5	19.45	19.51	19.57	20.10	16.38	16.47	16.48

Band 2 Ant 2 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (dBm)	APRS (dBm)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.52	18.55	18.54			19.5	0
20	QPSK	1	49	18.44	18.51	18.43				
20	QPSK	1	99	18.49	18.53	18.39				
20	QPSK	50	0	18.48	18.54	18.52				
20	QPSK	50	24	18.55	18.47	18.40			19.5	0
20	QPSK	50	50	18.44	18.44	18.52				
20	QPSK	100	0	18.52	18.53	18.52				
20	QPSK	100	0	18.46	18.55	18.40				
20	16QAM	1	49	18.45	18.52	18.50			19.5	0
20	16QAM	1	99	18.43	18.52	18.38				
20	16QAM	50	0	18.47	18.49	18.45				
20	16QAM	50	24	18.51	18.47	18.51				
20	16QAM	100	0	18.47	18.49	18.45			19.5	0
20	16QAM	100	0	18.55	18.51	18.45				
20	16QAM	1	0	18.40	18.41	18.45				
20	16QAM	1	49	18.52	18.51	18.47				
20	16QAM	50	0	18.43	18.43	18.51			19.5	0
20	16QAM	50	0	18.44	18.50	18.38				
20	16QAM	50	24	18.51	18.52	18.42				
20	16QAM	100	0	18.52	18.46	18.44				
20	16QAM	100	0	18.52	18.54	18.43			19.5	0
20	16QAM	1	0	18.40	18.41	18.45				
20	16QAM	1	49	18.52	18.51	18.47				
20	16QAM	50	0	18.43	18.43	18.51				
20	256QAM	1	49	17.48	17.38	17.40			19	0.5
20	256QAM	1	99	17.40	17.35	17.32				
20	256QAM	50	0	17.36	17.34	17.32				
20	256QAM	50	24	17.44	17.49	17.52				
20	256QAM	100	0	17.40	17.40	17.35			19	0.5
20	256QAM	100	0	17.37	17.40	17.45				
Channel										
Frequency (MHz)										
18	QPSK	1	0	18.31	18.45	18.37			19.5	0
18	QPSK	1	37	18.45	18.33	18.34				
18	QPSK	1	74	18.38	18.37	18.32				
18	QPSK	36	0	18.33	18.38	18.34				
18	QPSK	36	20	18.42	18.39	18.38			19.5	0
18	QPSK	36	36	18.42	18.32	18.31				
18	QPSK	75	0	18.43	18.40	18.32				
18	16QAM	1	0	18.40	18.38	18.32				
18	16QAM	1	37	18.31	18.39	18.37			19.5	0
18	16QAM	1	74	18.32	18.41	18.37				
18	16QAM	36	0	18.39	18.37	18.40				
18	16QAM	36	20	18.30	18.33	18.31				
18	16QAM	75	0	18.38	18.40	18.37			19.5	0
18	16QAM	75	0	18.37	18.40	18.35				
18	16QAM	1	0	18.36	18.40	18.37				
18	16QAM	1	37	18.40	18.40	18.35				
18	256QAM	1	37	17.42	17.35	17.32			19	0.5
18	256QAM	1	74	17.31	17.34	17.27				
18	256QAM	36	0	17.36	17.42	17.36				
18	256QAM	36	20	17.48	17.41	17.44				
18	256QAM	75	0	17.32	17.29	17.27			19	0.5
18	256QAM	75	0	17.31	17.41	17.38				
Channel										
Frequency (MHz)										
18	QPSK	1	0	18.31	18.45	18.37			19.5	0
18	QPSK	1	12	18.33	18.34	18.31				
18	QPSK	1	24	18.35	18.35	18.30				
18	QPSK	12	0	18.31	18.35	18.32				
18	QPSK	12	7	18.32	18.35	18.27			19.5	0
18	QPSK	12	13	18.31	18.35	18.30				
18	QPSK	25	0	18.36	18.38	18.40				
18	QPSK	25	0	18.36	18.38	18.40				
18	QPSK	1	0	18.42	18.32	18.29			19.5	0
18	QPSK	1	12	18.43	18.35	18.30				
18	QPSK	1	24	18.33	18.35	18.29				
18	QPSK	12	0	18.36	18.38	18.36				
18	QPSK	12	7	18.37	18.38	18.35			19.5	0
18	QPSK	12	13	18.33	18.35	18.30				
18	QPSK	25	0	18.42	18.40	18.36				
18	QPSK	25	0	18.42	18.40	18.36				
18	16QAM	1	0	18.40	18.38	18.32			19.5	0
18	16QAM	1	12	18.41	18.38	18.33				
18	16QAM	1	24	18.34	18.31	18.31				
18	16QAM	12	0	18.39	18.36	18.36				
18	16QAM	12	7	18.40	18.40	18.37			19.5	0
18	16QAM	12	13	18.39	18.45	18.31				
18	16QAM	25	0	18.47	18.47	18.43				
18	16QAM	25	0	18.47	18.47	18.43				
18	256QAM	1	0	17.40	17.49	17.44			19	0.5
18	256QAM	1	12	17.43	17.47	17.42				
18	256QAM	1	24	17.28	17.33	17.27				
18	256QAM	12	0	17.36	17.30	17.28				
18	256QAM	12	7	17.37	17.37	17.32			19.5	0
18	256QAM	12	13	17.31	17.34	17.32				
18	256QAM	25	0	17.43	17.44	17.34				
18	256QAM	25	0	17.43	17.44	17.34				
Channel										
Frequency (MHz)										
14	QPSK	1	0	18.41	18.45	18.38			19.5	0
14	QPSK	1	33	18.44	18.44	18.34				
14	QPSK	1	56	18.41	18.33	18.41				
14	QPSK	3	0	18.46	18.45	18.38				
14	QPSK	3	0	18.36	18.42	18.38			19.5	0
14	QPSK	3	3	18.40	18.30	18.40				
14	16QAM	1	0	18.42	18.32	18.29				
14	16QAM	1	3	18.35	18.46	18.36				
14	16QAM	3	0	18.44	18.37	18.45			19.5	0
14	16QAM	3	3	18.39	18.37	18.29				
14	16QAM	3	1	18.42	18.44	18.40				
14	16QAM	6	0	18.40	18.35	18.32				
14	16QAM	1	0	18.33	18.34	18.28			19.5	0
14	16QAM	1	3	18.41	18.31	18.27				
14	16QAM	1	5	18.38	18.41	18.40				
14	16QAM	3	0	18.31	18.36	18.40				
14	16QAM	3	3	18.30	18.44	18.29			19.5	0
14	16QAM	6	0	18.36	18.46	18.36				
14	16QAM	6	3	18.37	18.42	17.29				
14	256QAM	3	3	17.29	17.42	17.42				
14	256QAM	3	0	17.48	17.48	17.44			19	0.5
14	256QAM	3	1	17.39	17.48	17.22				
14	256QAM	6	0	17.48	17.48	17.44				
14	256QAM	6	0	17.29	17.43	17.48				



Band 25 Ant 2 DSI7														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fires	Power Middle Ch./Fires	Power High Ch./Fires	Tune-up (MHz)	APRS (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.54	18.57	18.55	19.5	0						
20	QPSK	1	49	18.43	18.43	18.48								
20	QPSK	1	99	18.49	18.47	18.47								
20	QPSK	50	0	18.52	18.50	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	18.46	18.40	18.46								
20	16QAM	1	99	18.52	18.51	18.49	19.5	0						
20	16QAM	50	0	18.52	18.45	18.50								
20	16QAM	50	24	18.51	18.41	18.49								
20	16QAM	50	50	18.52	18.47	18.56								
20	64QAM	1	0	18.52	18.46	18.50	19.5	0						
20	64QAM	1	49	18.44	18.50	18.51								
20	64QAM	1	99	18.47	18.54	18.40								
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	256QAM	1	49	17.45	17.49	17.48								
20	256QAM	1	99	17.53	17.46	17.23								
20	256QAM	50	0	17.25	17.36	17.29	19.5	0.5						
20	256QAM	50	24	17.38	17.40	17.44								
20	256QAM	50	50	17.45	17.40	17.42								
20	256QAM	100	0	17.57	17.40	17.39								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.57	18.60	18.57	19.5	0						
15	QPSK	1	37	18.46	18.31	18.42								
15	QPSK	1	74	18.39	18.32	18.30								
15	QPSK	36	0	18.43	18.32	18.34								
15	QPSK	36	20	18.32	18.43	18.35	19.5	0						
15	QPSK	36	36	18.46	18.40	18.27								
15	QPSK	75	0	18.45	18.44	18.38								
15	16QAM	1	0	18.38	18.48	18.39								
15	16QAM	1	37	18.35	18.38	18.26	19.5	0						
15	16QAM	1	74	18.41	18.32	18.29								
15	16QAM	36	0	18.43	18.40	18.36								
15	16QAM	36	20	18.38	18.34	18.38								
15	16QAM	36	36	18.45	18.32	18.29	19.5	0						
15	16QAM	75	0	18.46	18.41	18.38								
15	64QAM	1	0	18.53	18.40	18.27								
15	64QAM	1	37	18.41	18.37	18.29								
15	64QAM	1	74	18.41	18.35	18.34	19.5	0						
15	64QAM	36	0	18.57	18.43	18.40								
15	64QAM	36	20	18.43	18.45	18.31								
15	64QAM	36	36	18.45	18.30	18.27								
15	256QAM	1	0	17.53	17.45	17.51	19.5	0.5						
15	256QAM	1	37	17.53	17.53	17.51								
15	256QAM	1	74	17.53	17.43	17.30								
15	256QAM	36	0	17.32	17.36	17.42								
15	256QAM	36	20	17.52	17.38	17.36	19.5	0.5						
15	256QAM	36	36	17.53	17.44	17.30								
15	256QAM	75	0	17.57	17.40	17.39								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.39	18.33	18.30	19.5	0						
10	QPSK	1	25	18.33	18.41	18.33								
10	QPSK	1	49	18.46	18.40	18.26								
10	QPSK	1	61	18.42	18.42	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								
10	16QAM	25	0	18.41	18.33	18.39	19.5	0						
10	16QAM	25	12	18.38	18.38	18.39								
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	18.36	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								
10	64QAM	25	12	18.35	18.45	18.33	19.5	0						
10	64QAM	25	25	18.34	18.43	18.41								
10	64QAM	50	0	18.53	18.41	18.33								
10	256QAM	1	45	17.45	17.45	17.59								
10	256QAM	1	25	17.41	17.48	17.49	19.5	0.5						
10	256QAM	1	49	17.57	17.53	17.23								
10	256QAM	25	0	17.35	17.25	17.25								
10	256QAM	25	12	17.39	17.40	17.37								
10	256QAM	25	25	17.53	17.59	17.44	19.5	0.5						
10	256QAM	50	0	17.55	17.55	17.45								
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.34	18.33	18.40	19.5	0						
5	QPSK	1	12	18.45	18.46	18.39								
5	QPSK	1	24	18.50	18.39	18.31								
5	QPSK	12	0	18.41	18.31	18.28								
5	QPSK	12	7	18.52	18.44	18.39	19.5	0						
5	QPSK	12	13	18.39	18.42	18.35								
5	QPSK	24	0	18.37	18.41	18.27								
5	16QAM	1	0	18.43	18.43	18.28								
5	16QAM	1	12	18.30	18.45	18.41	19.5	0						
5	16QAM	1	24	18.35	18.41	18.32								
5	16QAM	12	0	18.33	18.47	18.34								
5	16QAM	12	7	18.42	18.36	18.40								
5	16QAM	12	13	18.44	18.39	18.35	19.5	0						
5	16QAM	25	0	18.40	18.44	18.41								
5	64QAM	1	0	18.40	18.45	18.36								
5	64QAM	12	0	18.53	18.31	18.35								
5	64QAM	1	24	18.39	18.32	18.29	19.5	0						
5	64QAM	12	0	18.38	18.37	18.29								
5	64QAM	12	7	18.31	18.41	18.41								
5	64QAM	12	13	18.39	18.35	18.38								
5	256QAM	1	0	17.49	17.48	17.54	19.5	0.5						
5	256QAM	1	12	17.42	17.47	17.41								
5	256QAM	1	24	17.50	17.39	17.26								
5	256QAM	12	0	17.53	17.31	17.32								
5	256QAM	12	7	17.57	17.42	17.43	19.5	0.5						
5	256QAM	12	13	17.51	17.42	17.36								
5	256QAM	25	0	17.47	17.49	17.36								
5	256QAM	25	12	17.50	17.39	17.41								
Channel														
Frequency (MHz)														
3	QPSK	1	0	18.35	18.42	18.33	19.5	0						
3	QPSK	1	12	18.46	18.46	18.39								
3	QPSK	1	14	18.50	18.44	18.42								
3	QPSK	8	0	18.42	18.34	18.37								
3	QPSK	8	7	18.52	18.45	18.40	19.5	0						
3	QPSK	8	14	18.40	18.30	18.41								
3	QPSK	16	0	18.43	18.43	18.40								
3	16QAM	1	0	18.37	18.47	18.36								
3	16QAM	1	8	18.52	18.45	18.40	19.5	0						
3	16QAM	1	14	18.37	18.37	18.30								
3	16QAM	8	0	18.37	18.37	18.31								
3	16QAM	8	8	18.35	18.33	18.38								
3	256QAM	1	0	17.49	17.48	17.54	19.5	0.5						
3	256QAM	1	12	17.42	17.47	17.41								
3	256QAM	1	24	17.50	17.39	17.26								
3	256QAM	12	0	17.53	17.31	17.32								
3	256QAM	12	7	17.57	17.42	17.43	19.5	0.5						
3	256QAM	12	13	17.51	17.42	17.36								
3	256QAM	25	0	17.47	17.49	17.36								
3	256QAM	25	12	17.50	17.39	17.41								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	18.43	18.43	18.30	19.5	0						
1.4	QPSK	1	12	18.46	18.46	18.39								
1.4	QPSK	1	14	18.50	18.44	18.42								
1.4	QPSK	3	0	18.42	18.34	18.37								
1.4	QPSK	3	7	18.52	18.45	18.40	19.5	0						
1.4	QPSK	3	14	18.40	18.35	18.28								
1.4	QPSK	3	18	18.41	18.40	18.38								
1.4	16QAM	1	0	18.37	18.47	18.36								
1.4	16QAM	1	8	18.52	18.45	18.40	19.5	0						
1.4	16QAM	1	14	18.37	18.37	18.30								
1.4	16QAM	3	0	18.37	18.37	18.31								
1.4	16QAM	3	8	18.35	18.33	18.38								
1.4	256QAM	1	0	17.49	17.48	17.54	19.5	0.5						
1.4	256QAM	1	12	17.42	17.47	17.41								
1.4	256QAM	1	24	17.50	17.39	17.26								
1.4	256QAM	12	0	17.53	17.31	17.32								
1.4	256QAM	12	7	17.57	17.42	17.43	19.5	0.5						
1.4	256QAM	12	13	17.51	17.42	17.36								
1.4	256QAM	25	0	17.47	17.49	17.36								
1.4	256QAM	25	12	17.50	17.39	17.41								
Channel														
Frequency (MHz)														
0.6	QPSK	1	0	18.57	18.60	18.56	19.5	0						
0.6	QPSK	1	37	18.46	18.31	18.42								
0.6	QPSK	1	74	18.39	18.32	18.30								
0.6	QPSK	36	0	18.43	18.32	18.34								
0.6	QPSK	36	20	18.32	18.43	18.35	19.5	0						
0.6	QPSK	36	36	18.46	18.40	18.27								
0.6	QPSK	75	0	18.45	18.44	18.38								
0.6	16QAM	1	0	18.38	18.48	18.39								
0.6	16QAM	1	37	18.35	18.38	18.26	19.5	0						
0.6	16QAM	1	74	18.41	18.32	18.29								
0.6	16QAM	36	0	18.43	18.40	18.36								
0.6	16QAM	36	20	18.38	18.34	18.38								
0.6	16QAM	36	36	18.45	18.32	18.29	19.5	0						
0.6	16QAM	75	0	18.46	18.41	18.38								
0.6	64QAM	1	0	18.53	18.40	18.27								
0.6	64QAM	1	37	18.41	18.37	18.29								
0.6	64QAM	1	74	18.41	18.35	18.34	19.5	0						
0.6	64QAM	36	0	18.57	18.43	18.40								
0.6	64QAM	36	20	18.43	18.45	18.31								
0.6	64QAM	36	36	18.45	18.30	18.27								
0.6	256QAM	1	0	17.53	17.45	17.51	19.5	0.5						
0.6	256QAM	1	37	17.53	17.53	17.51								
0.6</														

Band 38 Ant 2 DS17													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	20.51	20.52	20.48							
20	QPSK	1	49	20.51	20.42	20.44	21.7	0					
20	QPSK	1	99	20.38	20.45	20.47							
20	QPSK	50	0	20.49	20.51	20.47							
20	QPSK	50	24	20.38	20.50	20.42	21.7	0					
20	QPSK	50	50	20.50	20.50	20.49							
20	QPSK	100	0	20.48	20.49	20.48							
20	16QAM	1	0	20.51	20.45	20.37							
20	16QAM	1	49	20.42	20.51	20.39	21.7	0					
20	16QAM	1	99	20.38	20.41	20.47							
20	16QAM	50	0	20.42	20.47	20.41							
20	16QAM	50	24	20.41	20.46	20.40	21.7	0					
20	16QAM	50	50	20.50	20.42	20.38							
20	16QAM	100	0	20.47	20.46	20.42							
20	16QAM	1	0	20.39	20.43	20.49							
20	16QAM	1	49	20.50	20.48	20.48	21.7	0					
20	16QAM	1	99	20.51	20.46	20.50							
20	16QAM	50	0	19.73	19.56	19.56							
20	16QAM	50	24	19.84	19.61	19.79	21	0.7					
20	16QAM	50	50	19.70	19.60	19.71							
20	16QAM	100	0	19.46	19.64	19.47							
20	256QAM	1	0	17.74	17.68	17.77							
20	256QAM	1	49	17.68	17.64	17.69	19	2.7					
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	2.7					
20	256QAM	50	50	17.70	17.58	17.61							
20	256QAM	100	0	17.74	17.68	17.66							
Channel													
Frequency (MHz)													
15	QPSK	1	0	20.33	20.40	20.32							
15	QPSK	1	37	20.37	20.48	20.31	21.7	0					
15	QPSK	1	74	20.32	20.40	20.33							
15	QPSK	36	0	20.41	20.42	20.37							
15	QPSK	36	20	20.36	20.38	20.31	21.7	0					
15	QPSK	36	39	20.50	20.46	20.38							
15	QPSK	75	0	20.46	20.43	20.32							
15	16QAM	1	0	20.44	20.40	20.43							
15	16QAM	1	37	20.36	20.42	20.35	21.7	0					
15	16QAM	1	74	20.43	20.40	20.30							
15	16QAM	36	0	20.40	20.46	20.38							
15	16QAM	36	20	20.44	20.46	20.39	21.7	0					
15	16QAM	36	39	20.40	20.46	20.32							
15	16QAM	75	0	20.47	20.45	20.45							
15	16QAM	75	0	20.42	20.45	20.45							
15	16QAM	1	37	20.40	20.38	20.37	21.7	0					
15	16QAM	1	74	20.35	20.41	20.36							
15	16QAM	36	0	19.62	19.54	19.72							
15	16QAM	36	20	19.64	19.56	19.76	21	0.7					
15	16QAM	36	39	19.60	19.58	19.73							
15	16QAM	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	2.7					
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	19	2.7					
15	256QAM	36	39	17.59	17.45	17.52							
15	256QAM	75	0	17.67	17.63	17.61							
Channel													
Frequency (MHz)													
10	QPSK	1	0	20.38	20.42	20.37							
10	QPSK	1	25	20.32	20.48	20.38	21.7	0					
10	QPSK	1	49	20.41	20.45	20.40							
10	QPSK	25	0	20.38	20.44	20.46							
10	QPSK	25	12	20.44	20.44	20.35	21.7	0					
10	QPSK	25	25	20.36	20.43	20.32							
10	QPSK	50	0	20.47	20.46	20.35							
10	16QAM	1	0	20.40	20.40	20.31							
10	16QAM	1	25	20.40	20.35	20.30	21.7	0					
10	16QAM	1	49	20.42	20.39	20.36							
10	16QAM	25	0	20.32	20.43	20.32							
10	16QAM	25	12	20.46	20.46	20.39	21.7	0					
10	16QAM	25	25	20.47	20.40	20.30							
10	16QAM	50	0	20.32	20.48	20.38							
10	16QAM	1	0	20.43	20.39	20.41	21.7	0					
10	16QAM	1	25	20.43	20.36	20.43							
10	16QAM	1	49	20.38	20.35	20.38							
10	16QAM	25	0	19.58	19.52	19.48							
10	16QAM	25	12	19.73	19.50	19.65	21	0.7					
10	16QAM	25	25	19.50	19.53	19.54							
10	16QAM	50	0	19.54	19.53	19.44							
10	256QAM	1	0	17.56	17.63	17.60							
10	256QAM	1	25	17.47	17.49	17.50	19	2.7					
10	256QAM	1	49	17.58	17.57	17.44							
10	256QAM	25	0	17.60	17.38	17.31							
10	256QAM	25	12	17.54	17.63	17.62	19	2.7					
10	256QAM	25	25	17.47	17.51	17.40							
10	256QAM	50	0	17.65	17.57	17.57							
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.39	20.50	20.43							
5	QPSK	1	12	20.44	20.50	20.32	21.7	0					
5	QPSK	1	24	20.43	20.41	20.36							
5	QPSK	12	0	20.37	20.46	20.44							
5	QPSK	12	7	20.35	20.50	20.44							
5	QPSK	12	13	20.32	20.42	20.32	21.7	0					
5	QPSK	25	0	20.36	20.42	20.43							
5	16QAM	1	0	20.34	20.42	20.38							
5	16QAM	1	12	20.40	20.41	20.36	21.7	0					
5	16QAM	1	24	20.35	20.50	20.34							
5	16QAM	12	0	20.41	20.42	20.35							
5	16QAM	12	7	20.42	20.47	20.31	21.7	0					
5	16QAM	12	13	20.35	20.43	20.41							
5	16QAM	25	0	20.40	20.45	20.41							
5	16QAM	1	0	20.46	20.41	20.41							
5	16QAM	1	12	20.37	20.46	20.45	21.7	0					
5	16QAM	1	24	20.43	20.43	20.33							
5	16QAM	12	0	19.56	19.41	19.59							
5	16QAM	12	7	19.70	19.58	19.65	21	0.7					
5	16QAM	12	13	19.60	19.61	19.57							
5	16QAM	25	0	19.39	19.54	19.41							
5	256QAM	1	0	17.53	17.56	17.68							
5	256QAM	1	12	17.43	17.60	17.31	19	2.7					
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	19	2.7					
5	256QAM	12	13	17.47	17.56	17.50							
5	256QAM	25	0	17.55	17.61	17.50							

Band 7 Ant 3 DS17

Band	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
20	Channel				2090	2110	2130	21.4	0
	Frequency (MHz)				2510	2530	2550		
	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	21.4	0
	20	QPSK	50	0	20.40	20.50	20.40		
	20	QPSK	50	24	20.51	20.42	20.55	21.4	0
	20	QPSK	50	50	20.40	20.52	20.45		
	20	QPSK	100	0	20.48	20.53	20.45	21.4	0
	20	16QAM	1	0	20.44	20.48	20.50		
	20	16QAM	1	49	20.40	20.50	20.50	21	0.4
	20	16QAM	1	99	20.40	20.51	20.45		
	20	16QAM	50	0	19.61	19.72	19.48	21	0.4
	20	16QAM	50	24	19.35	19.55	19.42		
	20	16QAM	50	50	19.39	19.35	19.56	21	0.4
	20	16QAM	100	0	19.61	19.57	19.55		
	20	64QAM	1	0	19.54	19.69	19.44	21	0.4
	20	64QAM	1	49	19.44	19.57	19.53		
	20	64QAM	1	99	19.50	19.61	19.44	20	1.4
	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	18	3.4
	20	256QAM	1	0	16.68	16.69	16.81		
	20	256QAM	1	49	16.66	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	18	3.4
	20	256QAM	50	24	16.72	16.60	16.71		
	20	256QAM	50	50	16.68	16.65	16.58	20	1.4
	20	256QAM	100	0	16.77	16.70	16.73		
	Channel				20826	21100	21375	21.4	0
	Frequency (MHz)				2507.5	2530	2562.5		
	15	QPSK	1	0	20.45	20.48	20.49	21.4	0
	15	QPSK	1	37	20.41	20.43	20.36		
	15	QPSK	1	74	20.41	20.40	20.40	21.4	0
	15	QPSK	36	0	20.40	20.35	20.46		
	15	QPSK	36	20	20.40	20.36	20.41	21	0.4
	15	QPSK	36	39	20.38	20.42	20.46		
	15	QPSK	75	0	20.47	20.37	20.45	21.4	0
	15	16QAM	1	0	20.40	20.50	20.47		
	15	16QAM	1	37	20.42	20.37	20.38	21	0.4
	15	16QAM	1	74	20.36	20.48	20.48		
	15	16QAM	36	0	19.50	19.75	19.47	20	1.4
	15	16QAM	36	20	19.34	19.61	19.38		
	15	16QAM	36	39	19.38	19.32	19.52	21	0.4
	15	16QAM	75	0	19.55	19.57	19.44		
	15	64QAM	1	0	19.68	19.60	19.58	21	0.4
	15	64QAM	1	37	19.44	19.57	19.44		
	15	64QAM	1	74	19.64	19.68	19.46	20	1.4
	15	64QAM	36	0	18.81	18.55	18.55		
	15	64QAM	36	20	18.86	18.67	18.71	18	3.4
	15	64QAM	36	39	18.62	18.58	18.68		
	15	64QAM	75	0	18.39	18.58	18.46	18	3.4
	15	256QAM	1	0	16.81	16.62	16.73		
	15	256QAM	1	37	16.60	16.68	16.65	18	3.4
	15	256QAM	1	74	16.45	16.58	16.63		
	15	256QAM	36	0	16.37	16.54	16.46	18	3.4
	15	256QAM	36	20	16.69	16.59	16.72		
	15	256QAM	36	39	16.65	16.53	16.49	20	1.4
	15	256QAM	75	0	16.74	16.65	16.61		
	Channel				20700	21100	21400	21.4	0
	Frequency (MHz)				2500	2530	2560		
	10	QPSK	1	0	20.40	20.47	20.40	21.4	0
	10	QPSK	1	25	20.43	20.36	20.37		
	10	QPSK	1	49	20.41	20.45	20.36	21.4	0
	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	21.4	0
	10	16QAM	1	0	20.42	20.44	20.39		
	10	16QAM	1	25	20.45	20.50	20.45	21	0.4
	10	16QAM	1	49	20.35	20.43	20.49		
	10	16QAM	25	0	19.60	19.74	19.59	21	0.4
	10	16QAM	25	12	19.40	19.58	19.42		
	10	16QAM	25	25	19.35	19.40	19.58	20	1.4
	10	16QAM	50	0	19.54	19.58	19.48		
	10	64QAM	1	0	19.53	19.62	19.57	18	3.4
	10	64QAM	1	25	19.46	19.52	19.54		
	10	64QAM	1	49	19.59	19.60	19.50	18	3.4
	10	64QAM	25	0	18.70	18.49	18.52		
	10	64QAM	25	12	18.85	18.57	18.78	18	3.4
	10	64QAM	25	25	18.73	18.63	18.74		
	10	64QAM	50	0	18.38	18.71	18.43	21	0.4
	10	256QAM	1	0	16.75	16.70	16.86		
	10	256QAM	1	25	16.67	16.64	16.76	21	0.4
	10	256QAM	1	49	16.47	16.54	16.52		
	10	256QAM	25	0	16.48	16.53	16.46	18	3.4
	10	256QAM	25	12	16.72	16.63	16.70		
	10	256QAM	25	25	16.69	16.62	16.49	20	1.4
	10	256QAM	50	0	16.74	16.60	16.71		
	Channel				20775	21100	21425	21.4	0
	Frequency (MHz)				2502.5	2530	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	21.4	0
	5	QPSK	12	0	20.39	20.48	20.38		
	5	QPSK	12	7	20.37	20.46	20.42	21	0.4
	5	QPSK	12	13	20.40	20.41	20.39		
	5	QPSK	25	0	20.50	20.44	20.45	21.4	0
	5	16QAM	1	0	20.35	20.40	20.36		
	5	16QAM	1	12	20.48	20.48	20.45	21	0.4
	5	16QAM	1	24	20.46	20.49	20.50		
	5	16QAM	12	0	19.53	19.66	19.48	21	0.4
	5	16QAM	12	7	19.45	19.59	19.45		
	5	16QAM	12	13	19.39	19.42	19.60	20	1.4
	5	16QAM	25	0	19.50	19.65	19.43		
	5	64QAM	1	0	19.55	19.66	19.57	21	0.4
	5	64QAM	1	12	19.39	19.46	19.51		
	5	64QAM	1	24	19.67	19.67	19.39	18	3.4
	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	18	3.4
	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	18	3.4
	5	256QAM	12	7	16.62	16.59	16.75		
	5	256QAM	12	13	16.75	16.59	16.53	20	1.4
	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 Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				37650	38000	38150							
20	QPSK	1	0	18.42	18.44	18.39							
20	QPSK	1	49	18.40	18.39	18.34	19.5	0					
20	QPSK	1	99	18.32	18.42	18.40							
20	QPSK	50	0	18.41	18.36	18.42							
20	QPSK	50	24	18.38	18.33	18.31	19.5	0					
20	QPSK	50	50	18.42	18.35	18.30							
20	QPSK	100	0	18.39	18.42	18.36							
20	16QAM	1	0	18.32	18.37	18.31							
20	16QAM	1	49	18.34	18.30	18.35	19.5	0					
20	16QAM	1	99	18.35	18.37	18.32							
20	16QAM	50	0	18.30	18.25	18.28							
20	16QAM	50	24	18.30	18.31	18.29	19.5	0					
20	16QAM	50	50	18.35	18.26	18.33							
20	16QAM	100	0	18.28	18.40	18.38							
20	64QAM	1	0	18.29	18.35	18.25							
20	64QAM	1	49	18.33	18.27	18.38	19.5	0					
20	64QAM	1	99	18.34	18.30	18.40							
20	64QAM	50	0	18.37	18.26	18.29							
20	64QAM	50	24	18.37	18.26	18.27	19.5	0					
20	64QAM	50	50	18.25	18.38	18.26							
20	256QAM	1	0	18.78	18.62	18.62							
20	256QAM	1	49	18.72	18.70	18.74	18	1.5					
20	256QAM	1	99	18.57	18.59	18.53							
20	256QAM	50	0	18.56	18.63	18.58							
20	256QAM	50	24	18.63	18.55	18.68	18	1.5					
20	256QAM	50	50	18.77	18.64	18.48							
20	256QAM	100	0	18.60	18.70	18.69							
Channel													
Frequency (MHz)				37625	38000	38175	turn-up limit (dBm)	MPR (dB)					
15	QPSK	1	0	18.37	18.34	18.31							
15	QPSK	1	37	18.39	18.27	18.29	19.5	0					
15	QPSK	1	74	18.30	18.37	18.32							
15	QPSK	36	0	18.37	18.28	18.25							
15	QPSK	36	20	18.32	18.25	18.30	19.5	0					
15	QPSK	36	39	18.32	18.26	18.34							
15	QPSK	75	0	18.35	18.39	18.35							
15	16QAM	1	0	18.35	18.34	18.27							
15	16QAM	1	37	18.31	18.31	18.33	19.5	0					
15	16QAM	1	74	18.31	18.25	18.36							
15	16QAM	36	0	18.28	18.35	18.30							
15	16QAM	36	20	18.24	18.25	18.26	19.5	0					
15	16QAM	36	39	18.24	18.28	18.34							
15	16QAM	75	0	18.29	18.28	18.37							
15	64QAM	1	0	18.33	18.34	18.28							
15	64QAM	1	37	18.28	18.30	18.36	19.5	0					
15	64QAM	1	74	18.33	18.25	18.34							
15	64QAM	36	0	18.35	18.27	18.35							
15	64QAM	36	20	18.38	18.25	18.39	19.5	0					
15	64QAM	36	39	18.35	18.33	18.37							
15	64QAM	75	0	18.34	18.30	18.36							
15	256QAM	1	0	18.65	18.50	18.69							
15	256QAM	1	37	18.50	18.56	18.52	18	1.5					
15	256QAM	1	74	18.48	18.46	18.48							
15	256QAM	36	0	18.27	18.47	18.23							
15	256QAM	36	20	18.59	18.52	18.54	18	1.5					
15	256QAM	36	39	18.52	18.54	18.36							
15	256QAM	75	0	18.60	18.61	18.60							
Channel													
Frequency (MHz)				37600	38000	38200	turn-up limit (dBm)	MPR (dB)					
10	QPSK	1	0	18.28	18.28	18.28							
10	QPSK	1	25	18.30	18.27	18.27	19.5	0					
10	QPSK	1	49	18.34	18.28	18.34							
10	QPSK	25	0	18.24	18.39	18.24							
10	QPSK	25	12	18.34	18.25	18.28	19.5	0					
10	QPSK	25	25	18.34	18.26	18.34							
10	QPSK	50	0	18.26	18.26	18.29							
10	16QAM	1	0	18.40	18.26	18.27							
10	16QAM	1	25	18.32	18.26	18.26	19.5	0					
10	16QAM	1	49	18.33	18.32	18.38							
10	16QAM	25	0	18.34	18.31	18.28							
10	16QAM	25	12	18.34	18.24	18.26	19.5	0					
10	16QAM	25	25	18.32	18.36	18.35							
10	16QAM	50	0	18.34	18.30	18.34							
10	64QAM	1	0	18.31	18.37	18.32							
10	64QAM	1	25	18.33	18.27	18.32	19.5	0					
10	64QAM	1	49	18.35	18.36	18.38							
10	64QAM	25	0	18.33	18.39	18.26							
10	64QAM	25	12	18.29	18.38	18.33	19.5	0					
10	64QAM	25	25	18.34	18.29	18.27							
10	64QAM	50	0	18.37	18.34	18.33							
10	256QAM	1	0	18.66	18.55	18.76							
10	256QAM	1	25	18.51	18.53	18.55	18	1.5					
10	256QAM	1	49	18.47	18.54	18.51							
10	256QAM	25	0	18.26	18.42	18.24							
10	256QAM	25	12	18.56	18.56	18.56	18	1.5					
10	256QAM	25	25	18.59	18.41	18.49							
10	256QAM	50	0	18.66	18.62	18.50							
Channel													
Frequency (MHz)				37575	38000	38175	turn-up limit (dBm)	MPR (dB)					
5	QPSK	1	0	18.35	18.31	18.32							
5	QPSK	1	12	18.27	18.31	18.32	19.5	0					
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	18.39	19.5	0					
5	QPSK	12	13	18.28	18.36	18.39							
5	QPSK	25	0	18.29	18.26	18.30							
5	16QAM	1	0	18.36	18.31	18.30							
5	16QAM	1	12	18.29	18.26	18.24	19.5	0					
5	16QAM	1	24	18.37	18.28	18.25							
5	16QAM	12	0	18.32	18.35	18.34							
5	16QAM	12	7	18.31	18.25	18.34	19.5	0					
5	16QAM	12	13	18.38	18.38	18.36							
5	16QAM	25	0	18.25	18.34	18.33							
5	64QAM	1	0	18.34	18.40	18.31							
5	64QAM	1	12	18.35	18.37	18.33	19.5	0					
5	64QAM	1	24	18.36	18.37	18.31							
5	64QAM	12	7	18.35	18.25	18.35	19.5	0					
5	64QAM	12	13	18.27	18.35	18.36							
5	64QAM	25	0	18.36	18.32	18.37							
5	256QAM	1	0	18.58	18.52	18.69							
5	256QAM	1	12	18.59	18.56	18.58	18	1.5					
5	256QAM	1	24	18.31	18.48	18.52							
5	256QAM	12	0	18.23	18.43	18.34							
5	256QAM	12	7	18.61	18.58	18.54	18	1.5					
5	256QAM	12	13	18.52	18.48	18.39							
5	256QAM	25	0	18.69	18.53	18.62							

Band 41 Ant 3 DS17										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid / Freq	Power Middle Ch / Freq	Power High Mid / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	18.43	18.44	18.47	18.42	18.45		
20	QPSK	1	25	18.32	18.36	18.38	18.33	18.43	19.5	0
20	QPSK	1	99	18.33	18.44	18.33	18.34	18.31		
20	QPSK	50	0	18.44	18.41	18.46	18.38	18.41		
20	QPSK	50	24	18.43	18.42	18.40	18.35	18.39	19.5	0
20	QPSK	50	49	18.43	18.43	18.39	18.35	18.38		
20	QPSK	50	74	18.43	18.43	18.35	18.33	18.43		
20	QPSK	100	0	18.41	18.43	18.45	18.39	18.44		
20	16QAM	1	0	18.32	18.37	18.45	18.33	18.43		
20	16QAM	1	49	18.34	18.33	18.44	18.32	18.44	19.5	0
20	16QAM	1	99	18.43	18.37	18.37	18.35	18.32		
20	16QAM	50	0	18.32	18.39	18.39	18.33	18.43		
20	16QAM	50	24	18.31	18.44	18.39	18.40	18.45	19.5	
20	16QAM	50	50	18.40	18.34	18.38	18.37	18.37		
20	16QAM	100	0	18.37	18.44	18.44	18.30	18.43		
20	64QAM	1	0	18.31	18.36	18.35	18.35	18.45		
20	64QAM	1	49	18.31	18.37	18.31	18.30	18.43	19.5	0
20	64QAM	1	99	18.38	18.29	18.29	18.39	18.45		
20	64QAM	50	0	18.36	18.42	18.38	18.41	18.30		
20	64QAM	50	24	18.43	18.39	18.31	18.42	18.36	19.5	0
20	64QAM	50	49	18.34	18.34	18.33	18.32	18.38		
20	64QAM	100	0	18.30	18.32	18.43	18.34	18.36		
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	0	18.37	18.26	18.37	18.26	18.35		
15	QPSK	1	37	18.31	18.29	18.33	18.27	18.31	19.50	0
15	QPSK	1	74	18.29	18.28	18.32	18.38	18.31		
15	QPSK	36	0	18.40	18.32	18.30	18.35	18.38		
15	QPSK	36	36	18.36	18.31	18.39	18.29	18.35		
15	QPSK	36	74	18.28	18.28	18.28	18.28	18.31		
15	QPSK	75	0	18.28	18.28	18.27	18.38	18.30		
15	16QAM	1	0	18.29	18.29	18.35	18.37	18.37		
15	16QAM	1	37	18.31	18.40	18.37	18.30	18.26	19.5	0
15	16QAM	1	74	18.33	18.35	18.31	18.33	18.27		
15	16QAM	36	0	18.36	18.41	18.36	18.28	18.37		
15	16QAM	36	36	18.35	18.33	18.30	18.37	18.36	19.5	0
15	16QAM	36	74	18.34	18.33	18.32	18.37	18.36		
15	16QAM	75	0	18.30	18.32	18.39	18.24	18.24		
15	64QAM	1	0	18.39	18.29	18.37	18.37	18.34		
15	64QAM	1	37	18.27	18.40	18.31	18.29	18.28	19.5	0
15	64QAM	1	74	18.25	18.27	18.39	18.39	18.35		
15	64QAM	36	0	18.39	18.33	18.33	18.31	18.31		
15	64QAM	36	36	18.31	18.27	18.34	18.38	18.39	19.5	0
15	64QAM	36	74	18.30	18.30	18.38	18.40	18.26		
15	64QAM	75	0	18.31	18.33	18.25	18.32	18.37		
15	256QAM	1	0	16.58	16.47	16.59	16.49	16.58		
15	256QAM	1	37	16.66	16.61	16.64	16.52	16.57		
15	256QAM	1	74	16.48	16.50	16.48	16.55	16.53		
15	256QAM	36	0	16.51	16.59	16.53	16.56	16.49		
15	256QAM	36	36	16.45	16.53	16.48	16.50	16.38	18	1.5
15	256QAM	36	74	16.50	16.50	16.50	16.50	16.50		
15	256QAM	75	0	16.55	16.65	16.66	16.55	16.63		
Channel										
Frequency (MHz)				39700	40180	40620	41080	41490	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	0	18.32	18.37	18.39	18.37	18.36		
10	QPSK	1	25	18.25	18.36	18.36	18.35	18.35	19.50	0
10	QPSK	1	49	18.40	18.31	18.31	18.40	18.38		
10	QPSK	25	0	18.35	18.35	18.35	18.30	18.20		
10	QPSK	25	12	18.38	18.33	18.32	18.32	18.24	19.5	0
10	QPSK	50	0	18.32	18.32	18.32	18.40	18.29		
10	16QAM	1	0	18.29	18.25	18.28	18.32	18.33		
10	16QAM	1	25	18.27	18.31	18.31	18.35	18.35	19.5	0
10	16QAM	49	0	18.25	18.29	18.33	18.31	18.25		
10	16QAM	25	0	18.33	18.33	18.33	18.34	18.33		
10	16QAM	25	12	18.34	18.34	18.33	18.30	18.25	19.5	0
10	16QAM	25	25	18.30	18.35	18.26	18.28	18.35		
10	16QAM	50	0	18.29	18.37	18.36	18.29	18.28		
10	16QAM	1	25	18.40	18.40	18.40	18.35	18.35	19.5	0
10	64QAM	25	0	18.35	18.35	18.35	18.30	18.24	19.5	0
10	64QAM	25	12	18.33	18.26	18.31	18.30	18.27		
10	64QAM	25	25	18.36	18.40	18.32	18.29	18.34		
10	64QAM	50	0	18.27	18.31	18.36	18.36	18.32	19.5	0
10	64QAM	50	0	18.29	18.38	18.39	18.40	18.45		
10	256QAM	1	0	16.54	16.49	16.57	16.50	16.48		
10	256QAM	1	25	16.59	16.67	16.64	16.57	16.67	18	1.5
10	256QAM	49	0	16.54	16.49	16.48	16.56	16.49		
10	256QAM	25	0	16.58	16.65	16.65	16.47	16.55		
10	256QAM	25	12	16.58	16.40	16.47	16.52	16.45	18	1.5
10	256QAM	25	25	16.53	16.59	16.49	16.58	16.52		
10	256QAM	50	0	16.59	16.64	16.64	16.61	16.58		
Channel										
Frequency (MHz)				2495	2549.5	2593	2640.30	2687.5	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	0	18.37	18.28	18.35	18.28	18.26	19.50	0
5	QPSK	1	12	18.39	18.35	18.24	18.32	18.27		
5	QPSK	24	0	18.29	18.24	18.28	18.33	18.34		
5	QPSK	12	0	18.39	18.28	18.25	18.30	18.32		
5	QPSK	12	7	18.30	18.26	18.27	18.35	18.30	19.5	0
5	QPSK	12	13	18.33	18.28	18.40	18.30	18.32		
5	QPSK	25	0	18.39	18.29	18.34	18.27	18.39		
5	16QAM	1	0	18.37	18.36	18.36	18.36	18.36	19.5	0
5	16QAM	1	12	18.37	18.36	18.35	18.35	18.35		
5	16QAM	1	24	18.24	18.27	18.29	18.30	18.28		
5	16QAM	12	0	18.29	18.28	18.36	18.39	18.25		
5	16QAM	12	7	18.37	18.32	18.30	18.33	18.36	19.5	0
5	16QAM	12	13	18.30	18.35	18.26	18.27	18.38		
5	64QAM	1	0	18.27	18.40	18.34	18.25	18.25		
5	64QAM	1	12	18.38	18.28	18.39	18.29	18.32	19.5	0
5	64QAM	1	24	18.30	18.33	18.26	18.30	18.33		
5	64QAM	12	0	18.30	18.25	18.35	18.30	18.28		
5	64QAM	12	7	18.34	18.25	18.34	18.31	18.36		
5	64QAM	12	13	18.32	18.34	18.36	18.26	18.35		
5	8QAM	25	0	18.40	18.31	18.28	18.27	18.25		
5	256QAM	1	0	16.57	16.67	16.67	16.57	16.58	18	1.5
5	256QAM	1	12	16.57	16.60	16.55	16.61	16.58		
5	256QAM	1	24	16.42	16.43	16.49	16.52	16.51		
5	256QAM	12	0	16.56	16.59	16.50	16.46	16.48		
5	256QAM	12	7	16.50	16.45	16.37	16.44	16.44		
5	256QAM	12	13	16.49	16.42	16.37	16.42	16.41	18	1.5
5	256QAM	25	0	16.63	16.64	16.63	16.52	16.56		

Band 42 Part 27Q Ant 7 DSI7									
BW [MHz]	Modulation on	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	19.64	19.67	19.63			
20	QPSK	1	49	19.65	19.48	19.59			
20	QPSK	50	0	19.54	19.61	19.59			
20	QPSK	50	24	19.60	19.56	19.58	20.7	0	
20	QPSK	50	50	19.53	19.53	19.50			
20	QPSK	100	0	19.53	19.59	19.51			
20	16QAM	1	0	19.59	19.65	19.57	20.7	0	
20	16QAM	1	49	19.47	19.62	19.60			
20	16QAM	1	99	19.65	19.54	19.53			
20	16QAM	50	0	19.60	19.57	19.61	20.7	0	
20	16QAM	50	24	19.65	19.53	19.64			
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	19	1.7	
20	256QAM	1	49	17.71	17.66	17.60			
20	256QAM	1	99	17.58	17.57	17.66			
20	256QAM	50	0	17.55	17.51	17.57	19	1.7	
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				42195	42595	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.50	19.56	19.62	20.7	0	
15	QPSK	1	37	19.56	19.57	19.59			
15	QPSK	1	74	19.47	19.53	19.50			
15	QPSK	36	0	19.51	19.50	19.54	20.7	0	
15	QPSK	36	20	19.61	19.49	19.62			
15	QPSK	36	39	19.51	19.56	19.58			
15	QPSK	75	0	19.54	19.57	19.62	20.7	0	
15	16QAM	1	0	19.48	19.48	19.55			
15	16QAM	1	37	19.48	19.50	19.51			
15	16QAM	1	74	19.58	19.51	19.51	20.7	0	
15	16QAM	36	0	19.53	19.54	19.54			
15	16QAM	36	20	19.61	19.54	19.62			
15	16QAM	36	39	19.55	19.48	19.59	20.7	0	
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	19	1.7	
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	1.7	
15	256QAM	36	20	17.54	17.58	17.69			
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	19.63	19.51	19.53	20.7	0	
10	QPSK	1	25	19.48	19.53	19.57			
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	19.53			
10	QPSK	25	25	19.58	19.53	19.54			
10	QPSK	50	0	19.48	19.58	19.63	20.7	0	
10	16QAM	1	0	19.53	19.56	19.61			
10	16QAM	1	25	19.61	19.49	19.58			
10	16QAM	1	49	19.52	19.59	19.52	20.7	0	
10	16QAM	25	0	19.48	19.50	19.59			
10	16QAM	25	12	19.51	19.62	19.59			
10	16QAM	25	25	19.56	19.62	19.51	20.7	0	
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	1	49	19.48	19.60	19.59			
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	17.68	17.53	17.69	19	1.7	
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	1.7	
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				42116	42599	43068			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.61	19.49	19.52	20.7	0	
5	QPSK	1	12	19.56	19.61	19.49			
5	QPSK	1	24	19.60	19.53	19.52			
5	QPSK	12	0	19.54	19.50	19.60	20.7	0	
5	QPSK	12	7	19.62	19.57	19.51			
5	QPSK	12	13	19.48	19.53	19.54			
5	QPSK	25	0	19.59	19.54	19.59	20.7	0	
5	16QAM	1	0	19.57	19.58	19.56			
5	16QAM	1	12	19.52	19.50	19.48			
5	16QAM	1	24	19.55	19.63	19.63	20.7	0	
5	16QAM	12	0	19.59	19.56	19.56			
5	16QAM	12	7	19.56	19.51	19.57			
5	16QAM	12	13	19.54	19.51	19.59	20.7	0	
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	19.63	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	19	1.7	
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	1.7	
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			



Band 2 Ant 1 Other PA Default

BW	Modul	RB Size	RB Offset	Power Low	Power High	Power Low	Power High	Turn-on	Turn-off	APRS
Frequency (MHz)	Channel	RB Size	RB Offset	Power Low	Power High	Power Low	Power High	Turn-on	Turn-off	APRS
20	OPRKS	1	0	22.48	22.48	22.48	22.48	24	0	
20	OPRKS	1	49	22.42	22.58	22.60	22.60	24	0	
20	OPRKS	1	99	22.80	22.42	22.57	22.57	24	0	
20	OPRKS	1	149	21.80	21.80	21.80	21.80	24	0	
20	OPRKS	1	199	21.58	21.58	21.44	21.44	23	1	
20	OPRKS	1	249	21.61	21.54	21.54	21.54	23	1	
20	OPRKS	1	299	21.60	21.60	21.47	21.47	23	1	
20	OPRKS	1	349	21.44	21.44	21.39	21.39	23	1	
20	OPRKS	1	399	21.53	21.56	21.53	21.53	23	1	
20	OPRKS	1	449	21.62	21.62	21.49	21.49	23	1	
20	OPRKS	1	499	20.59	20.59	20.41	20.41	22	2	
20	OPRKS	1	549	20.27	20.60	20.49	20.49	22	2	
20	OPRKS	1	599	20.57	20.57	20.52	20.52	22	2	
20	OPRKS	1	649	20.61	20.51	20.57	20.57	22	2	
20	OPRKS	1	699	20.57	20.57	20.57	20.57	22	2	
20	OPRKS	1	749	19.58	19.58	19.66	19.66	21	3	
20	OPRKS	1	799	19.62	19.61	19.62	19.62	21	3	
20	OPRKS	1	849	17.73	17.73	17.45	17.45	19	5	
20	OPRKS	1	899	17.66	17.64	17.75	17.75	19	5	
20	OPRKS	1	949	17.54	17.66	17.58	17.58	19	5	
20	OPRKS	1	999	17.50	17.50	17.46	17.46	19	5	
20	OPRKS	1	1049	17.71	17.61	17.76	17.76	19	5	
20	OPRKS	1	1099	17.59	17.65	17.52	17.52	19	5	
20	OPRKS	1	1149	17.68	17.68	17.68	17.68	19	5	
20	OPRKS	1	1199	16.60	16.60	16.16	16.16	Turn-on	Turn-off	APRS
20	OPRKS	1	1249	16.72	16.60	16.16	16.16	Turn-on	Turn-off	APRS
15	OPRKS	1	37	22.47	22.47	22.46	22.46	24	0	
15	OPRKS	1	37	22.47	22.47	22.46	22.46	24	0	
15	OPRKS	1	74	22.98	22.32	22.55	22.55	24	0	
15	OPRKS	1	74	22.98	22.32	22.55	22.55	24	0	
15	OPRKS	1	111	21.51	21.47	21.48	21.48	23	1	
15	OPRKS	1	111	21.51	21.47	21.48	21.48	23	1	
15	OPRKS	1	203	21.53	21.59	21.34	21.34	23	1	
15	OPRKS	1	203	21.53	21.59	21.34	21.34	23	1	
15	OPRKS	1	295	21.57	21.49	21.51	21.51	23	1	
15	OPRKS	1	295	21.57	21.49	21.51	21.51	23	1	
15	OPRKS	1	387	21.40	21.42	21.46	21.46	23	1	
15	OPRKS	1	387	21.40	21.42	21.46	21.46	23	1	
15	OPRKS	1	479	21.52	21.50	21.44	21.44	23	1	
15	OPRKS	1	479	21.52	21.50	21.44	21.44	23	1	
15	OPRKS	1	571	21.37	21.47	21.45	21.45	23	1	
15	OPRKS	1	571	21.37	21.47	21.45	21.45	23	1	
15	OPRKS	1	663	21.51	21.58	21.47	21.47	22	2	
15	OPRKS	1	663	21.51	21.58	21.47	21.47	22	2	
15	OPRKS	1	755	20.61	20.44	20.31	20.31	22	2	
15	OPRKS	1	755	20.61	20.44	20.31	20.31	22	2	
15	OPRKS	1	847	20.53	20.55	20.45	20.45	22	2	
15	OPRKS	1	847	20.53	20.55	20.45	20.45	22	2	
15	OPRKS	1	939	20.52	20.55	20.45	20.45	22	2	
15	OPRKS	1	939	20.52	20.55	20.45	20.45	22	2	
15	OPRKS	1	1031	20.52	20.42	20.48	20.48	22	2	
15	OPRKS	1	1031	20.52	20.42	20.48	20.48	22	2	
15	OPRKS	1	1123	20.55	20.51	20.45	20.45	22	2	
15	OPRKS	1	1123	20.55	20.51	20.45	20.45	22	2	
15	OPRKS	1	1215	20.49	20.52	20.52	20.52	22	2	
15	OPRKS	1	1215	20.49	20.52	20.52	20.52	22	2	
15	OPRKS	1	1307	19.52	19.52	19.46	19.46	21	3	
15	OPRKS	1	1307	19.52	19.52	19.46	19.46	21	3	
15	OPRKS	1	1399	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	1399	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	1491	17.43	17.53	17.49	17.49	19	5	
15	OPRKS	1	1491	17.43	17.53	17.49	17.49	19	5	
15	OPRKS	1	1583	17.44	17.44	17.39	17.39	19	5	
15	OPRKS	1	1583	17.44	17.44	17.39	17.39	19	5	
15	OPRKS	1	1675	17.59	17.59	17.46	17.46	19	5	
15	OPRKS	1	1675	17.59	17.59	17.46	17.46	19	5	
15	OPRKS	1	1767	17.76	17.76	17.62	17.62	19	5	
15	OPRKS	1	1767	17.76	17.76	17.62	17.62	19	5	
15	OPRKS	1	1859	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	1859	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	1951	17.58	17.58	17.46	17.46	19	5	
15	OPRKS	1	1951	17.58	17.58	17.46	17.46	19	5	
15	OPRKS	1	2043	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2043	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2135	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2135	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2227	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2227	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2319	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2319	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2411	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2411	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2503	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2503	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2595	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2595	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2687	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2687	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2779	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2779	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2871	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2871	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	2963	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	2963	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3055	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3055	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3147	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3147	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3239	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3239	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3331	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3331	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3423	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3423	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3515	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3515	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3607	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3607	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3699	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3699	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3791	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3791	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3883	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3883	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	3975	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	3975	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4067	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4067	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4159	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4159	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4251	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4251	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4343	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4343	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4435	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4435	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4527	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4527	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4619	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4619	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4711	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4711	17.43	17.43	17.38	17.38	19	5	
15	OPRKS	1	4803	17.53	17.53	17.42	17.42	19	5	
15	OPRKS	1	4803	17.53	17.53	17.42	1			



Band 38 Ant 1 Other PA Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				37850	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	50	0	22.07	22.03	22.12						
20	QPSK	50	24	22.08	22.06	22.15						
20	QPSK	100	0	22.06	22.11	22.06						
20	16QAM	1	0	21.94	22.13	21.92						
20	16QAM	1	49	22.14	22.13	22.06						
20	16QAM	50	0	21.23	21.10	21.01						
20	16QAM	50	24	21.10	21.18	21.08						
20	16QAM	50	50	20.98	21.06	21.27						
20	16QAM	100	0	21.15	21.26	21.05						
20	64QAM	1	0	21.03	21.02	21.11						
20	64QAM	1	49	21.10	21.12	21.00						
20	64QAM	1	99	21.00	21.06	21.10						
20	64QAM	50	0	20.12	20.10	20.08						
20	64QAM	50	24	20.22	20.12	20.07						
20	64QAM	50	50	20.13	20.03	20.24						
20	256QAM	1	0	18.31	18.31	18.01						
20	256QAM	1	49	18.08	18.25	18.16						
20	256QAM	1	99	17.88	18.06	18.15						
20	256QAM	50	0	18.05	18.03	18.15						
20	256QAM	50	24	18.27	18.20	18.16						
20	256QAM	50	50	18.15	18.09	18.05						
20	256QAM	100	0	18.10	18.07	18.30						
Channel												
Frequency (MHz)				22750	22900	23050	Turn-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	22.69	22.69	22.69						
15	QPSK	1	74	22.89	22.87	22.97						
15	QPSK	1	74	22.89	22.84	22.97						
15	QPSK	36	0	22.00	22.01	22.04						
15	QPSK	36	20	21.99	21.98	21.95						
15	QPSK	75	0	21.97	21.99	21.98						
15	16QAM	1	0	21.88	22.04	21.84						
15	16QAM	1	37	22.01	22.20	22.01						
15	16QAM	1	74	22.06	22.06	22.13						
15	16QAM	36	0	21.16	21.02	20.95						
15	16QAM	36	20	21.06	21.13	21.02						
15	16QAM	36	36	20.85	20.96	21.21						
15	16QAM	75	0	21.07	21.17	21.15						
15	64QAM	1	0	20.96	20.90	20.99						
15	64QAM	1	37	21.06	21.03	20.92						
15	64QAM	1	74	20.85	20.97	21.05						
15	64QAM	36	0	20.01	20.11	20.04						
15	64QAM	36	20	20.12	20.01	19.97						
15	64QAM	36	36	20.02	20.06	20.06						
15	64QAM	75	0	20.08	19.98	19.94						
15	256QAM	1	0	18.21	18.24	18.25						
15	256QAM	1	37	18.00	18.13	17.97						
15	256QAM	1	74	17.97	17.88	17.95						
15	256QAM	36	0	17.82	18.00	18.07						
15	256QAM	36	20	18.18	18.13	18.06						
15	256QAM	36	36	18.04	18.04	17.93						
15	256QAM	75	0	17.90	18.00	18.18						
Channel												
Frequency (MHz)				23750	23900	24050	Turn-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	23.00	23.11	23.02						
10	QPSK	1	25	23.00	22.92	23.05						
10	QPSK	1	49	22.87	22.86	22.91						
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	16QAM	1	0	21.81	22.05	21.81						
10	16QAM	1	25	22.04	22.05	21.98						
10	16QAM	1	49	22.06	22.05	22.09						
10	16QAM	25	0	21.18	21.08	20.96						
10	16QAM	25	12	21.87	21.86	21.91						
10	16QAM	25	25	20.86	20.95	21.20						
10	16QAM	50	0	21.11	21.22	21.07						
10	64QAM	1	0	20.96	20.90	21.06						
10	64QAM	1	25	20.97	21.08	20.97						
10	64QAM	1	49	20.85	20.94	21.07						
10	64QAM	25	0	20.08	20.10	20.00						
10	64QAM	25	12	20.11	20.06	19.98						
10	64QAM	25	25	20.03	19.98	20.17						
10	64QAM	50	0	20.10	20.01	19.90						
10	256QAM	1	0	18.23	18.26	17.92						
10	256QAM	1	25	18.01	18.18	18.27						
10	256QAM	1	49	17.87	18.01	18.10						
10	256QAM	25	0	18.00	17.95	18.05						
10	256QAM	25	12	18.17	18.13	18.09						
10	256QAM	25	25	18.12	18.04	17.92						
10	256QAM	50	0	18.05	18.02	18.27						
Channel												
Frequency (MHz)				24750	24900	25050	Turn-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	23.08	23.13	23.05						
5	QPSK	1	12	23.03	22.98	22.98						
5	QPSK	1	24	22.91	22.84	22.91						
5	QPSK	12	0	21.99	22.03	22.06						
5	QPSK	12	7	22.05	22.03	21.93						
5	QPSK	12	13	21.95	21.99	21.95						
5	QPSK	25	0	21.93	22.07	21.93						
5	16QAM	1	0	21.86	22.04	21.82						
5	16QAM	12	0	22.07	22.07	21.98						
5	16QAM	1	24	22.11	22.07	22.04						
5	16QAM	12	0	21.20	21.00	20.96						
5	16QAM	12	7	21.06	21.10	21.04						
5	16QAM	12	13	20.91	20.94	21.19						
5	64QAM	1	0	20.96	20.99	20.98						
5	64QAM	1	12	21.01	21.02	20.95						
5	64QAM	1	24	20.94	20.93	20.97						
5	64QAM	12	0	20.02	20.15	20.03						
5	64QAM	12	7	20.11	20.04	19.97						
5	64QAM	12	13	20.09	20.00	20.11						
5	256QAM	1	0	20.04	19.98	19.92						
5	256QAM	1	12	18.24	18.21	17.90						
5	256QAM	1	24	17.93	17.95	18.06						
5	256QAM	12	0	17.82	17.97	18.09						
5	256QAM	12	7	18.15	18.09	18.05						
5	256QAM	12	13	18.02	17.98	18.04						
5	256QAM	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-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				39750	40185	40600	41058	41490				
20	QPSK	1	0	23.04	22.88	23.05	22.89	22.93				
20	QPSK	1	49	23.02	22.96	22.92	23.07	22.97			24	0
20	QPSK	1	99	22.84	22.78	22.88	22.79	22.75				
20	QPSK	50	0	21.97	21.95	22.07	22.02	22.02				
20	QPSK	50	24	21.94	22.02	21.81	22.00	21.99			23	1
20	QPSK	50	50	21.86	21.81	22.05	21.76	21.78				
20	QPSK	100	0	22.02	22.04	22.06	22.01	22.02				
20	16QAM	1	0	21.75	22.00	21.87	22.09	22.03				
20	16QAM	1	49	21.59	22.08	22.00	22.00	21.98			23	1
20	16QAM	1	99	22.04	22.03	21.95	21.86	21.92				
20	16QAM	50	0	21.01	21.03	20.75	20.99	20.97				
20	16QAM	50	24	20.96	21.05	20.92	20.98	21.01			22	
20	16QAM	50	50	20.85	20.99	20.99	20.98	20.91				
20	16QAM	100	0	20.99	20.97	21.00	21.03	20.94				
20	16QAM	1	0	20.94	20.79	20.98	20.92	20.87				
20	16QAM	1	49	20.95	21.01	20.84	21.10	20.95			22	2
20	16QAM	1	99	20.95	21.07	20.89	21.05	20.99				
20	16QAM	50	0	19.90	19.89	19.87	19.91	19.86				
20	16QAM	50	24	20.17	20.01	19.76	20.03	19.92			21	3
20	16QAM	50	50	20.10	20.03	19.79	19.99	19.87				
20	16QAM	100	0	20.01	19.94	19.77	19.89	19.94				
20	256QAM	1	0	18.12	18.15	17.84	18.12	18.09				
20	256QAM	1	49	18.01	18.01	18.20	18.02	18.01			19	5
20	256QAM	1	99	17.99	17.99	17.95	17.95	17.95				
20	256QAM	50	0	17.88	17.85	18.00	17.92	17.89				
20	256QAM	50	24	18.04	17.84	18.05	17.91	18.01			19	5
20	256QAM	50	50	17.96	18.05	17.92	17.97	17.95				
20	256QAM	100	0	17.97	17.99	17.96	17.96	17.88				
Frequency (MHz)				250515	254813	259313	263078	266251	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	22.93	22.83	23.01	22.80	22.86			24.00	0
15	QPSK	1	37	22.89	22.93	22.87	22.95	22.91				
15	QPSK	1	74	22.72	22.73	22.95	22.76	22.73				
15	QPSK	36	0	21.90	21.89	21.99	21.97	21.94				
15	QPSK	36	20	21.83	21.80	21.76	21.98	21.91			23	1
15	QPSK	36	39	21.88	21.73	22.02	21.73	21.72				
15	QPSK	75	0	21.98	21.98	21.97	21.91	21.85				
15	16QAM	1	0	21.97	21.97	21.97	21.97	21.97				
15	16QAM	1	37	21.87	21.96	21.92	21.93	21.87			23	1
15	16QAM	1	74	21.99	21.97	21.82	21.97	21.82				
15	16QAM	36	0	20.93	20.97	20.65	20.90	20.87				
15	16QAM	36	20	20.92	21.00	20.83	20.91	20.90				
15	16QAM	75	0	20.93	20.93	20.93	20.87	20.87				
15	16QAM	75	0	20.92	20.89	20.87	21.00	20.90				
15	64QAM	1	0	20.83	20.73	20.89	20.89	20.89				
15	64QAM	1	37	20.89	20.92	20.77	21.04	20.83			22	2
15	64QAM	1	74	20.86	20.86	20.79	20.88	20.86				
15	64QAM	36	0	19.80	19.81	19.79	19.79	19.77				
15	64QAM	36	20	20.93	19.83	19.66	19.98	19.80			21	3
15	64QAM	75	0	19.67	19.90	19.69	19.84	19.71				
15	256QAM	1	0	18.08	18.07	17.74	18.02	17.93				
15	256QAM	1	37	17.90	17.89	18.11	17.96	17.89			19	5
15	256QAM	1	74	17.74	17.88	17.87	17.82	17.83				
15	256QAM	36	0	17.84	17.75	17.95	17.79	17.82				
15	256QAM	36	20	17.94	17.87	18.04	17.82	17.84			19	5
15	256QAM	75	0	17.89	17.89	17.89	17.89	17.89				
15	256QAM	75	0	17.90	17.96	17.95	17.85	17.78				
Channel				39760	40160	40600	41088	41490	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2695				
10	QPSK	1	0	23.00	22.80	23.00	22.80	22.80			24.00	0
10	QPSK	1	25	22.93	22.99	22.89	23.03	22.92				
10	QPSK	1	49	22.73	22.69	22.82	22.70	22.69				
10	QPSK	25	0	21.86	21.90	21.99	21.97	21.98				
10	QPSK	25	12	21.84	21.96	21.75	21.97	21.91			23	1
10	QPSK	25	25	21.86	21.70	21.99	21.97	21.71				
10	QPSK	50	0	21.93	21.98	21.95	21.91	21.98				
10	16QAM	1	0	21.71	21.89	21.79	21.97	21.98				
10	16QAM	1	25	21.90	22.02	21.90	21.94	21.90			23	1
10	16QAM	1	50	21.90	21.95	21.85	21.92	21.89				
10	16QAM	25	0	20.85	20.85	20.95	20.88	20.88			22	2
10	16QAM	25	12	20.85	20.95	20.79	20.93	20.96				
10	16QAM	25	25	20.75	20.87	20.87	20.83	20.78				
10	16QAM	50	0	20.93	20.90	20.87	20.90	20.90				
10	16QAM	50	12	20.85	20.77	20.89	20.89	20.89				
10	64QAM	1	25	20.89	20.97	20.76	21.04	20.90			22	2
10	64QAM	1	49	20.83	20.97	20.78	20.96	20.95				
10	64QAM	25	0	19.81	19.80	19.82	19.87	19.71			21	3
10	64QAM	25	12	20.06	19.92	19.72	19.97	19.89				
10	64QAM	25	25	20.09	19.89	19.79	19.89	19.89				
10	64QAM	50	0	19.89	19.85	19.67	19.80	19.89				
10	256QAM	1	0	18.07	18.10	17.74	18.06	18.01				
10	256QAM	1	25	17.89	17.89	18.10	17.96	17.94			19	5
10	256QAM	1	49	17.87	17.87	17.86	17.76	17.79				
10	256QAM	1	74	17.87	17.86	17.89	17.85	17.84				
10	256QAM	25	12	18.00	17.81	17.99	17.82	17.88			19	5
10	256QAM	25	25	17.86	17.95	17.89	17.87	17.82				
10	256QAM	50	0	17.94	17.94	17.99	17.83	17.79				
Frequency (MHz)				249815	254548	259933	264030	266775	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.93	22.81	23.03	22.76	22.85			24.00	0
5	QPSK	1	12	22.89	22.91	22.82	22.97	22.87				
5	QPSK	1	25	22.76	22.74	22.96	22.75	22.62				
5	QPSK	12	0	21.86	21.82	21.96	21.87	21.84			23	1
5	QPSK	12	7	21.89	21.90	21.77	21.96	21.97				
5	QPSK	12	13	21.91	21.72	21.95	21.70	21.67				
5	QPSK	25	0	21.94	21.99	21.96	21.98	21.97				
5	16QAM	1	0	21.94	21.93	21.96	21.97	21.91				
5	16QAM	1	12	21.84	21.82	21.85	21.93	21.92			23	1
5	16QAM	1	24	21.97	21.93	21.83	21.75	21.94				
5	16QAM	12	0	20.96	20.97	20.68	20.89	20.87			22	2
5	16QAM	12	7	20.86	20.95	20.86	20.87	20.88				
5	16QAM	12	13	20.96	20.89	20.69	20.89	20.87				
5	16QAM	25	0	20.95	20.91	20.93	20.99	20.86				
5	64QAM	1	0	20.88	20.70	20.84	20.86	20.80			22	2
5	64QAM	1	12	20.83	20.88	20.77	21.01	20.86				
5	64QAM	1	24	20.83	20.95	20.85	21.01	20.96				
5	64QAM	12	0	19.87	19.78	19.78	19.84	19.75				
5	64QAM	12	7	19.89	19.96	19.73	19.95	19.87				
5	64QAM	12	13	20.00	19.85	20.02	19.75	19.76			21	3
5	256QAM	1	0	19.97	19.87	19.94	19.85	19.82				
5	256QAM	1	12	19.97	19.97	19.97	19.97	19.97				
5	256QAM	1	12	17.98	17.90	18.15	17.99	17.93			19	5
5	256QAM	1	24	17.71	17.83	17.85	17.73	17.83				
5	256QAM	12	0	17.77	17.75	17.96	17.85	17.82				
5	256QAM	12	7	17.91	17.85	17.94	17.86	17.91			19	5
5	256QAM	12	13	18.07	18.01	17.84	17.86	17.85				
5	256QAM	25	0	17.88	17.89	17.93	17.91	17.75				



Band 2 Ant 1 Other PA DS12									
RF [MHz]	Modulation	RB Size [MHz]	RB Offset [MHz]	Power Low Ch [dBm]	Power High Ch [dBm]	Power Low Ch [dBm]	Power High Ch [dBm]	Turn-on time [ms]	Turn-off time [ms]
Channel									
Frequency [MHz]									
20	QPSK	1	0	16.55	16.61	16.56	16.56	17.4	0
20	QPSK	1	40	16.48	16.57	16.58	16.58	17.4	0
20	QPSK	1	90	16.47	16.51	16.52	16.52	17.4	0
20	QPSK	50	0	16.54	16.58	16.56	16.56	17.4	0
20	QPSK	50	24	16.47	16.51	16.52	16.52	17.4	0
20	QPSK	100	0	16.52	16.55	16.50	16.50	17.4	0
20	16QAM	1	0	16.45	16.50	16.56	16.56	17.4	0
20	16QAM	1	40	16.43	16.52	16.52	16.52	17.4	0
20	16QAM	1	90	16.55	16.58	16.58	16.58	17.4	0
20	16QAM	50	0	16.52	16.54	16.50	16.54	17.4	0
20	16QAM	50	24	16.54	16.59	16.54	16.54	17.4	0
20	16QAM	100	0	16.44	16.57	16.50	16.50	17.4	0
20	64QAM	1	0	16.48	16.52	16.55	16.55	17.4	0
20	64QAM	1	40	16.48	16.56	16.48	16.56	17.4	0
20	64QAM	1	90	16.48	16.56	16.48	16.56	17.4	0
20	64QAM	50	0	16.46	16.52	16.57	16.59	17.4	0
20	64QAM	50	24	16.47	16.55	16.53	16.53	17.4	0
20	64QAM	100	0	16.47	16.55	16.53	16.53	17.4	0
20	256QAM	1	0	16.46	16.57	16.59	16.59	17.4	0
20	256QAM	1	40	16.42	16.56	16.59	16.59	17.4	0
20	256QAM	1	90	16.55	16.59	16.57	16.57	17.4	0
20	256QAM	50	0	16.49	16.53	16.56	16.56	17.4	0
20	256QAM	50	24	16.51	16.56	16.56	16.56	17.4	0
20	256QAM	50	50	16.44	16.54	16.45	16.45	17.4	0
20	256QAM	100	0	16.49	16.59	16.57	16.57	17.4	0
Channel									
Frequency [MHz]									
16	QPSK	1	0	16.47	16.50	16.52	16.52	17.4	0
16	QPSK	1	37	16.38	16.44	16.48	16.48	17.4	0
16	QPSK	1	74	16.48	16.56	16.50	16.50	17.4	0
16	QPSK	36	0	16.40	16.47	16.43	16.43	17.4	0
16	QPSK	36	20	16.49	16.52	16.48	16.48	17.4	0
16	QPSK	36	36	16.50	16.56	16.41	16.41	17.4	0
16	QPSK	72	0	16.38	16.47	16.44	16.44	17.4	0
16	16QAM	1	0	16.47	16.44	16.44	16.44	17.4	0
16	16QAM	1	37	16.41	16.41	16.55	16.55	17.4	0
16	16QAM	1	74	16.38	16.47	16.44	16.44	17.4	0
16	16QAM	36	0	16.42	16.48	16.48	16.48	17.4	0
16	16QAM	36	20	16.44	16.48	16.44	16.44	17.4	0
16	16QAM	36	36	16.44	16.55	16.48	16.48	17.4	0
16	16QAM	72	0	16.44	16.44	16.52	16.52	17.4	0
16	16QAM	72	0	16.44	16.55	16.52	16.52	17.4	0
16	16QAM	1	74	16.50	16.45	16.51	16.51	17.4	0
16	16QAM	36	0	16.35	16.56	16.43	16.43	17.4	0
16	16QAM	36	20	16.41	16.52	16.50	16.50	17.4	0
16	16QAM	36	36	16.39	16.47	16.54	16.54	17.4	0
16	16QAM	72	0	16.49	16.50	16.52	16.52	17.4	0
16	256QAM	1	37	16.50	16.54	16.46	16.46	17.4	0
16	256QAM	1	37	16.50	16.61	16.56	16.56	17.4	0
16	256QAM	74	0	16.46	16.44	16.56	16.56	17.4	0
16	256QAM	36	20	16.47	16.53	16.46	16.46	17.4	0
16	256QAM	36	20	16.48	16.58	16.51	16.51	17.4	0
16	256QAM	36	20	16.48	16.48	16.53	16.53	17.4	0
16	256QAM	75	0	16.52	16.52	16.52	16.52	17.4	0
Channel									
Frequency [MHz]									
10	QPSK	1	0	16.48	16.48	16.48	16.48	17.4	0
10	QPSK	1	25	16.48	16.44	16.48	16.48	17.4	0
10	QPSK	1	49	16.40	16.44	16.47	16.47	17.4	0
10	QPSK	1	74	16.38	16.56	16.43	16.43	17.4	0
10	QPSK	25	12	16.38	16.47	16.47	16.47	17.4	0
10	QPSK	25	25	16.39	16.51	16.42	16.42	17.4	0
10	QPSK	25	49	16.44	16.55	16.47	16.47	17.4	0
10	16QAM	1	0	16.49	16.50	16.54	16.54	17.4	0
10	16QAM	1	25	16.41	16.49	16.41	16.41	17.4	0
10	16QAM	1	49	16.45	16.45	16.48	16.48	17.4	0
10	16QAM	25	0	16.37	16.51	16.51	16.51	17.4	0
10	16QAM	25	12	16.44	16.47	16.47	16.47	17.4	0
10	16QAM	25	25	16.44	16.55	16.49	16.49	17.4	0
10	16QAM	50	0	16.50	16.50	16.56	16.56	17.4	0
10	16QAM	1	0	16.38	16.54	16.45	16.45	17.4	0
10	16QAM	25	12	16.47	16.47	16.44	16.44	17.4	0
10	16QAM	25	25	16.38	16.56	16.47	16.47	17.4	0
10	16QAM	50	0	16.50	16.50	16.56	16.56	17.4	0
10	256QAM	1	0	16.50	16.54	16.40	16.40	17.4	0
10	256QAM	1	25	16.48	16.54	16.40	16.40	17.4	0
10	256QAM	1	49	16.41	16.49	16.41	16.41	17.4	0
10	256QAM	25	0	16.51	16.49	16.54	16.54	17.4	0
10	256QAM	25	12	16.47	16.52	16.50	16.50	17.4	0
10	256QAM	25	25	16.46	16.57	16.46	16.46	17.4	0
10	256QAM	50	0	16.45	16.45	16.50	16.50	17.4	0
Channel									
Frequency [MHz]									
5	QPSK	1	0	16.44	16.48	16.50	16.50	17.4	0
5	QPSK	1	12	16.45	16.47	16.49	16.49	17.4	0
5	QPSK	1	24	16.41	16.48	16.53	16.53	17.4	0
5	QPSK	12	0	16.39	16.47	16.48	16.48	17.4	0
5	QPSK	12	7	16.38	16.42	16.42	16.42	17.4	0
5	QPSK	12	19	16.37	16.52	16.43	16.43	17.4	0
5	QPSK	12	19	16.37	16.49	16.41	16.41	17.4	0
5	16QAM	1	0	16.42	16.44	16.47	16.47	17.4	0
5	16QAM	1	12	16.38	16.51	16.40	16.40	17.4	0
5	16QAM	1	24	16.37	16.51	16.51	16.51	17.4	0
5	16QAM	12	0	16.40	16.42	16.45	16.45	17.4	0
5	16QAM	12	7	16.37	16.42	16.48	16.48	17.4	0
5	16QAM	12	19	16.40	16.53	16.53	16.53	17.4	0
5	16QAM	25	0	16.40	16.44	16.47	16.47	17.4	0
5	16QAM	25	12	16.40	16.42	16.46	16.46	17.4	0
5	16QAM	50	0	16.50	16.51	16.47	16.47	17.4	0
5	64QAM	1	24	16.43	16.49	16.48	16.48	17.4	0
5	64QAM	12	0	16.40	16.42	16.44	16.44	17.4	0
5	64QAM	12	7	16.42	16.44	16.50	16.50	17.4	0
5	64QAM	12	19	16.49	16.56	16.53	16.53	17.4	0
5	64QAM	25	0	16.42	16.48	16.53	16.53	17.4	0
5	256QAM	1	12	16.38	16.56	16.44	16.44	17.4	0
5	256QAM	1	24	16.36	16.53	16.54	16.54	17.4	0
5	256QAM	12	0	16.41	16.49	16.54	16.54	17.4	0
5	256QAM	12	7	16.50	16.54	16.52	16.52	17.4	0
5	256QAM	12	19	16.43	16.47	16.46	16.46	17.4	0
5	256QAM	25	0	16.39	16.47	16.40	16.40	17.4	0
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	16.37	16.46	16.40	16.40	17.4	0
1.4	QPSK	1	3	16.37	16.53	16.45	16.45	17.4	0
1.4	QPSK	1	6	16.40	16.52	16.40	16.40	17.4	0
1.4	QPSK	3	0	16.38	16.54	16.52	16.52	17.4	0
1.4	QPSK	3	3	16.43	16.45	16.50	16.50	17.4	0
1.4	QPSK	6	0	16.40	16.54	16.54	16.54	17.4	0
1.4	16QAM	1	0	16.41	16.45	16.54	16.54	17.4	0
1.4	16QAM	1	3	16.41	16.50	16.43	16.43	17.4	0
1.4	16QAM	1	6	16.42	16.48	16.47	16.47	17.4	0
1.4	16QAM	3	0	16.40	16.48	16.50	16.50	17.4	0
1.4	16QAM	3	3	16.49	16.47	16.53	16.53	17.4	0
1.4	16QAM	6	0	16.45	16.52	16.40	16.40	17.4	0
1.4	16QAM	6	3	16.37	16.45	16.41	16.41	17.4	0
1.4	16QAM	1	3	16.37	16.45	16.54	16.54	17.4	0
1.4	16QAM	3	1	16.38	16.47	16.49	16.49	17.4	0
1.4	16QAM	3	3	16.41	16.52	16.48	16.48	17.4	0
1.4	16QAM	6	0	16.40	16.50	16.41	16.41	17.4	0
1.4	16QAM	6	3	16.47	16.50	16.51	16.51	17.4	0
1.4	256QAM	1	12	16.38	16.56	16.44	16.44	17.4	0
1.4	256QAM	1	24	16.36	16.53	16.54	16.54	17.4	0
1.4	256QAM	12	0	16.41	16.49	16.54	16.54	17.4	0
1.4	256QAM	12	7	16.50	16.54	16.52	16.52	17.4	0
1.4	256QAM	12	19	16.43	16.47	16.46	16.46	17.4	0
1.4	256QAM	25	0	16.39	16.47	16.40	16.40	17.4	0
1.4	256QAM	25	12	16.40	16.42	16.46	16.46	17.4	0
1.4	256QAM	25	25	16.40	16.42	16.46	16.46	17.4	0
1.4	256QAM	50	0	16.45	16.45	16.50	16.50	17.4	0

Band 38 Ant 1 Other PA DSI2													
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch. [Frac]	Power High Mod Ch. [Frac]	Power High Mod Ch. [Frac]	Turn-up (dB)	MFR (dB)					
Channel													
Frequency [MHz]													
20	QPSK	1	0	18.04	18.11	18.08			20	0			
20	QPSK	1	48	18.07	18.08	18.04							
20	QPSK	1	96	18.07	18.02	18.08							
20	QPSK	50	0	18.07	18.10	18.03							
20	QPSK	50	24	18.04	18.07	18.08							
20	QPSK	50	50	18.08	18.03	18.07							
20	QPSK	100	0	18.05	18.09	18.08							
20	HQAM	1	0	18.05	18.02	18.03							
20	HQAM	1	48	18.06	18.02	18.08							
20	HQAM	1	96	18.07	18.07	18.04							
20	HQAM	50	0	18.07	18.07	18.03							
20	HQAM	50	24	18.05	18.05	18.07							
20	HQAM	50	50	18.03	18.04	18.05							
20	HQAM	100	0	18.08	18.09	18.06							
20	HQAM	1	0	18.08	18.03	18.09							
20	HQAM	1	48	18.02	18.07	18.07							
20	HQAM	1	96	18.04	18.04	18.03							
20	HQAM	50	0	18.05	18.07	18.06							
20	HQAM	50	24	18.02	18.04	18.07							
20	HQAM	50	50	18.02	18.07	18.05							
20	HQAM	100	0	18.03	18.05	18.02							
20	HQAM	1	0	18.02	18.05	18.02							
20	HQAM	1	48	18.04	18.08	18.02		19					
20	HQAM	1	96	18.03	18.07	18.05							
20	HQAM	50	0	18.08	18.07	18.06							
20	HQAM	50	24	18.02	18.07	18.04							
20	HQAM	50	50	18.03	18.02	18.03							
20	HQAM	100	0	18.08	18.08	18.01							
Channel													
Frequency [MHz]													
18	QPSK	1	0	18.07	18.06	18.05			18	0			
18	QPSK	1	48	18.07	18.02	18.04							
18	QPSK	1	96	18.08	18.02	18.06							
18	QPSK	36	0	18.05	18.09	18.08							
18	QPSK	36	24	18.08	18.07	18.06							
18	QPSK	36	50	18.05	18.07	18.05							
18	QPSK	75	0	18.08	18.08	18.07							
18	HQAM	1	0	18.07	18.02	18.03							
18	HQAM	1	37	18.01	18.07	18.03							
18	HQAM	1	74	18.01	18.08	18.04							
18	HQAM	36	0	18.03	18.09	18.06							
18	HQAM	36	20	18.03	18.09	18.02							
18	HQAM	36	50	18.03	18.02	18.03							
18	HQAM	75	0	18.04	18.07	18.03							
18	HQAM	1	0	18.03	18.08	18.07							
18	HQAM	1	37	18.02	18.07	18.03							
18	HQAM	1	74	18.01	18.03	18.04							
18	HQAM	36	0	18.07	18.07	18.04							
18	HQAM	36	20	18.05	18.08	18.06							
18	HQAM	36	50	18.05	18.04	18.03							
18	HQAM	75	0	18.05	18.05	18.07							
18	HQAM	1	0	18.05	18.05	18.07							
18	HQAM	1	37	18.03	18.07	18.07							
18	HQAM	1	74	18.07	18.04	18.04							
18	HQAM	36	0	18.08	18.05	18.07							
18	HQAM	36	20	18.08	18.05	18.07							
18	HQAM	36	50	18.06	18.08	18.04							
18	HQAM	75	0	18.02	18.02	18.02							
18	HQAM	1	0	18.02	18.03	18.04							
18	HQAM	1	37	18.03	18.07	18.07							
18	HQAM	1	74	18.07	18.04	18.04							
18	HQAM	36	0	18.07	18.07	18.04							
18	HQAM	36	20	18.07	18.04	18.02							
18	HQAM	36	50	18.07	18.03	18.03							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03	18.02	18.02							
18	HQAM	1	37	18.03	18.02	18.02							
18	HQAM	1	74	18.03	18.02	18.02							
18	HQAM	36	0	18.03	18.02	18.02							
18	HQAM	36	20	18.03	18.02	18.02							
18	HQAM	36	50	18.03	18.02	18.02							
18	HQAM	75	0	18.03	18.02	18.02							
18	HQAM	1	0	18.03</									



Band 2 Ant 1 Other PA DSI3										
BW (MHz)	Modulation	RB Size (kHz)	RB Offset (kHz)	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-on time (ms)	Turn-off time (ms)	APR3 (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.00	16.00	16.01	16.01	17.5	0	
20	QPSK	1	40	16.08	16.10	16.01	16.01	17.5	0	
20	QPSK	1	80	16.06	16.08	16.02	16.02	17.5	0	
20	QPSK	50	0	16.10	16.14	16.07	16.07	17.5	0	
20	QPSK	50	24	16.08	16.11	16.06	16.06	17.5	0	
20	QPSK	50	16	16.11	16.12	16.02	16.02	17.5	0	
20	QPSK	100	0	16.08	16.13	16.11	16.11	17.5	0	
20	16QAM	1	40	16.09	16.06	16.11	16.11	17.5	0	
20	16QAM	1	80	16.11	16.04	16.10	16.10	17.5	0	
20	16QAM	50	0	16.06	16.14	16.10	16.10	17.5	0	
20	16QAM	50	24	16.11	16.14	16.10	16.10	17.5	0	
20	16QAM	50	16	16.04	16.02	16.07	16.07	17.5	0	
20	16QAM	100	0	16.04	16.02	16.07	16.07	17.5	0	
20	64QAM	1	0	16.11	16.03	16.05	16.05	17.5	0	
20	64QAM	1	40	16.05	16.09	16.06	16.06	17.5	0	
20	64QAM	1	80	16.07	16.09	16.06	16.06	17.5	0	
20	64QAM	50	0	16.07	16.08	16.03	16.03	17.5	0	
20	64QAM	50	24	16.04	16.05	16.06	16.06	17.5	0	
20	64QAM	50	16	16.11	16.05	16.06	16.06	17.5	0	
20	64QAM	100	0	16.08	16.07	16.12	16.12	17.5	0	
20	256QAM	1	0	16.07	16.05	16.10	16.10	17.5	0	
20	256QAM	1	40	16.05	16.07	16.11	16.11	17.5	0	
20	256QAM	1	80	16.12	16.06	16.06	16.06	17.5	0	
20	256QAM	50	0	16.05	16.05	16.06	16.06	17.5	0	
20	256QAM	50	24	16.09	16.11	16.13	16.13	17.5	0	
20	256QAM	50	16	16.08	16.00	16.04	16.04	17.5	0	
20	256QAM	100	0	16.05	16.06	16.07	16.07	17.5	0	
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.02	16.00	16.00	16.00	17.5	0	
15	QPSK	1	37	16.00	16.02	16.11	16.11	17.5	0	
15	QPSK	1	74	16.08	16.09	16.09	16.09	17.5	0	
15	QPSK	36	20	16.11	16.02	16.08	16.08	17.5	0	
15	QPSK	36	38	16.01	16.08	16.00	16.00	17.5	0	
15	QPSK	72	0	16.11	16.09	16.00	16.00	17.5	0	
15	16QAM	1	0	16.11	16.09	16.00	16.00	17.5	0	
15	16QAM	1	37	16.07	16.03	16.09	16.09	17.5	0	
15	16QAM	1	74	16.11	16.07	16.08	16.08	17.5	0	
15	16QAM	36	0	16.02	16.10	16.06	16.06	17.5	0	
15	16QAM	36	20	16.08	16.08	16.10	16.10	17.5	0	
15	16QAM	36	38	16.06	16.00	16.03	16.03	17.5	0	
15	16QAM	72	0	16.08	16.10	16.06	16.06	17.5	0	
15	64QAM	1	0	16.03	16.08	16.06	16.06	17.5	0	
15	64QAM	37	0	16.09	16.02	16.04	16.04	17.5	0	
15	64QAM	1	74	16.09	16.09	16.09	16.09	17.5	0	
15	64QAM	36	0	16.02	16.00	16.06	16.06	17.5	0	
15	64QAM	36	20	16.08	16.08	16.10	16.10	17.5	0	
15	64QAM	36	38	16.06	16.00	16.03	16.03	17.5	0	
15	64QAM	72	0	16.08	16.10	16.06	16.06	17.5	0	
15	256QAM	1	0	16.11	16.01	16.01	16.01	17.5	0	
15	256QAM	1	37	16.04	16.09	16.09	16.09	17.5	0	
15	256QAM	1	74	16.12	16.06	16.06	16.06	17.5	0	
15	256QAM	36	0	16.05	16.02	16.06	16.06	17.5	0	
15	256QAM	36	20	16.10	16.02	16.06	16.06	17.5	0	
15	256QAM	36	38	16.06	16.08	16.02	16.02	17.5	0	
15	256QAM	72	0	16.06	16.03	16.09	16.09	17.5	0	
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.97	16.04	16.06	16.06	17.5	0	
10	QPSK	1	20	15.97	16.08	16.02	16.02	17.5	0	
10	QPSK	1	40	16.04	16.09	16.06	16.06	17.5	0	
10	QPSK	25	12	16.10	16.04	16.02	16.02	17.5	0	
10	QPSK	25	12	16.10	16.06	16.01	16.01	17.5	0	
10	QPSK	25	25	16.07	16.11	16.07	16.07	17.5	0	
10	QPSK	50	0	16.04	16.07	16.01	16.01	17.5	0	
10	16QAM	1	0	16.03	16.06	16.06	16.06	17.5	0	
10	16QAM	1	25	16.06	16.04	16.07	16.07	17.5	0	
10	16QAM	1	40	16.11	16.01	16.09	16.09	17.5	0	
10	16QAM	25	0	16.06	16.04	16.10	16.10	17.5	0	
10	16QAM	25	12	16.10	16.01	16.12	16.12	17.5	0	
10	16QAM	25	25	16.06	16.09	16.06	16.06	17.5	0	
10	16QAM	50	0	15.97	16.06	16.06	16.06	17.5	0	
10	16QAM	1	0	16.04	16.09	16.07	16.07	17.5	0	
10	16QAM	1	40	16.11	16.03	16.09	16.09	17.5	0	
10	16QAM	1	80	16.01	16.10	16.09	16.09	17.5	0	
10	16QAM	1	40	16.10	16.00	16.04	16.04	17.5	0	
10	16QAM	25	0	16.06	16.07	16.03	16.03	17.5	0	
10	16QAM	25	12	16.07	16.06	16.07	16.07	17.5	0	
10	16QAM	25	25	16.06	16.09	16.04	16.04	17.5	0	
10	16QAM	50	0	16.04	16.02	16.06	16.06	17.5	0	
10	256QAM	1	0	16.04	16.02	16.06	16.06	17.5	0	
10	256QAM	1	25	16.07	16.08	16.01	16.01	17.5	0	
10	256QAM	1	40	16.02	16.07	16.03	16.03	17.5	0	
10	256QAM	25	0	16.11	16.04	16.07	16.07	17.5	0	
10	256QAM	25	12	16.06	16.07	16.07	16.07	17.5	0	
10	256QAM	25	25	16.06	16.07	16.07	16.07	17.5	0	
10	256QAM	50	0	16.06	16.06	16.06	16.06	17.5	0	
10	256QAM	1	0	15.97	16.00	16.09	16.09	17.5	0	
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.11	16.10	16.03	16.03	17.5	0	
5	QPSK	1	12	16.06	16.07	16.04	16.04	17.5	0	
5	QPSK	1	24	16.10	16.08	16.05	16.05	17.5	0	
5	QPSK	12	0	16.06	16.00	16.09	16.09	17.5	0	
5	QPSK	12	7	16.12	16.05	16.06	16.06	17.5	0	
5	QPSK	12	18	16.06	16.09	16.10	16.10	17.5	0	
5	QPSK	25	0	16.10	16.04	16.06	16.06	17.5	0	
5	16QAM	1	0	16.10	16.00	16.01	16.01	17.5	0	
5	16QAM	1	12	16.02	16.07	16.03	16.03	17.5	0	
5	16QAM	1	24	16.06	16.10	16.00	16.00	17.5	0	
5	16QAM	12	0	16.06	16.05	16.12	16.12	17.5	0	
5	16QAM	12	7	16.09	16.06	16.07	16.07	17.5	0	
5	16QAM	12	18	16.10	16.03	16.06	16.06	17.5	0	
5	16QAM	25	0	16.04	16.09	16.10	16.10	17.5	0	
5	16QAM	1	12	16.06	16.03	16.02	16.02	17.5	0	
5	64QAM	1	24	16.06	16.04	16.06	16.06	17.5	0	
5	64QAM	12	0	16.11	16.07	16.07	16.07	17.5	0	
5	64QAM	12	7	16.09	16.08	16.02	16.02	17.5	0	
5	64QAM	25	0	16.06	16.06	16.00	16.00	17.5	0	
5	64QAM	1	0	16.10	16.07	16.07	16.07	17.5	0	
5	64QAM	1	12	16.06	16.05	16.06	16.06	17.5	0	
5	64QAM	1	24	16.07	16.05	16.09	16.09	17.5	0	
5	64QAM	12	0	16.06	16.06	16.06	16.06	17.5	0	
5	64QAM	12	7	16.03	16.05	16.06	16.06	17.5	0	
5	64QAM	12	18	16.07	16.07	16.03	16.03	17.5	0	
5	64QAM	25	0	16.10	16.07	16.02	16.02	17.5	0	
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.02	16.04	16.07	16.07	17.5	0	
1.4	QPSK	1	3	16.06	16.06	16.07	16.07	17.5	0	
1.4	QPSK	1	6	16.04	16.03	16.04	16.04	17.5	0	
1.4	QPSK	3	0	16.03	16.02	16.07	16.07	17.5	0	
1.4	QPSK	3	1	16.06	16.00	16.04	16.04	17.5	0	
1.4	QPSK	3	3	16.09	16.07	16.11	16.11	17.5	0	
1.4	16QAM	1	0	16.07	16.00	16.06	16.06	17.5	0	
1.4	16QAM	1	4	16.04	16.09			17.5	0	
1.4	16QAM	1	8	16.10	16.01	16.03	16.03	17.5	0	
1.4	16QAM	1	12	16.02	16.07	16.03	16.03	17.5	0	
1.4	16QAM	1	16	16.04	16.09	16.04	16.04	17.5	0	
1.4	16QAM	1	20	16.06	16.07	16.04	16.04	17.5	0	
1.4	16QAM	1	24	16.08	16.08	16.05	16.05	17.5	0	
1.4	16QAM	3	0	16.03	16.02	16.07	16.07	17.5	0	
1.4	16QAM	3	1	16.06	16.00	16.04	16.04	17.5	0	
1.4	16QAM	3	3	16.09	16.07	16.11	16.11	17.5	0	
1.4	16QAM	6	0	16.06	16.07	16.08	16.08	17.5	0	
1.4	16QAM	6	1	16.09	16.08	16.03	16.03	17.5	0	
1.4	16QAM	6	3	16.12	16.06	16.06	16.06	17.5	0	
1.4	16QAM	6	6	16.02	16.09	16.09	16.09	17.5	0	
1.4	16QAM	6	9	16.04	16.04	16.07	16.07	17.5	0	
1.4	16QAM	6	12	16.06	16.03	16.07				

Band 38 Ant 1 Other PA DSI3												
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)				37850	39000	38150						
20	QPSK	1	0	20.65	20.65	20.65						
20	QPSK	1	49	20.61	20.60	20.67	22.8	0				
20	QPSK	1	99	20.60	20.63	20.63						
20	QPSK	50	0	20.64	20.64	20.65						
20	QPSK	50	24	20.65	20.64	20.64						
20	QPSK	50	50	20.62	20.63	20.63	22.6	0				
20	QPSK	100	0	20.61	20.65	20.64						
20	16QAM	1	0	20.67	20.67	20.61						
20	16QAM	1	49	20.60	20.67	20.66	22.8	0				
20	16QAM	1	99	20.64	20.61	20.61						
20	16QAM	50	0	20.67	20.63	20.61						
20	16QAM	50	24	20.62	20.66	20.65						
20	16QAM	50	50	20.62	20.63	20.63	22	0.6				
20	16QAM	100	0	20.63	20.64	20.66						
20	16QAM	100	1	20.61	20.62	20.61						
20	16QAM	1	49	20.64	20.61	20.67	22	0.6				
20	16QAM	1	99	20.60	20.64	20.67						
20	16QAM	50	0	20.12	20.19	20.08						
20	16QAM	50	24	20.22	20.12	20.07	21	1.6				
20	16QAM	50	50	20.13	20.03	20.23						
20	16QAM	100	0	20.14	20.05	20.00						
20	256QAM	1	0	18.31	18.31	18.01						
20	256QAM	1	49	18.08	18.25	18.36	19	3.6				
20	256QAM	1	99	17.88	18.06	18.15						
20	256QAM	50	0	18.05	18.03	18.15						
20	256QAM	50	24	18.27	18.20	18.16	19	3.6				
20	256QAM	50	50	18.15	18.06	18.05						
20	256QAM	100	0	18.10	18.07	18.30						
Channel												
Frequency (MHz)				2577.5	2696.7	2612.5	unr-lim (dBm)	MPR (dB)				
15	QPSK	1	0	20.68	20.61	20.67						
15	QPSK	1	37	20.66	20.61	20.62	22.6	0				
15	QPSK	1	74	20.62	20.60	20.66						
15	QPSK	36	0	20.65	20.65	20.66						
15	QPSK	36	20	20.60	20.65	20.66	22.6	0				
15	QPSK	75	0	20.66	20.65	20.66						
15	16QAM	1	0	20.62	20.62	20.67						
15	16QAM	1	37	20.63	20.62	20.64	22.6	0				
15	16QAM	1	74	20.65	20.62	20.64						
15	16QAM	36	0	20.68	20.64	20.64						
15	16QAM	36	20	20.65	20.62	20.61	22	0.6				
15	16QAM	36	39	20.66	20.60	20.62						
15	16QAM	75	0	20.60	20.62	20.67						
15	16QAM	75	0	20.62	20.63	20.66						
15	16QAM	1	37	20.64	20.62	20.63	22	0.6				
15	16QAM	1	74	20.61	20.64	20.61						
15	16QAM	36	0	20.01	20.11	20.04						
15	16QAM	36	20	20.12	20.01	19.97	21	1.6				
15	16QAM	36	39	20.05	19.98	19.94						
15	16QAM	75	0	20.08	19.98	19.94						
15	256QAM	1	0	18.21	18.24	18.25						
15	256QAM	1	37	18.00	18.13	17.97	19	3.6				
15	256QAM	1	74	17.77	17.86	17.85						
15	256QAM	36	0	17.82	18.00	18.07						
15	256QAM	36	20	18.18	18.13	18.06	19	3.6				
15	256QAM	36	39	18.04	18.04	17.93						
15	256QAM	75	0	18.05	17.98	18.18						
Channel												
Frequency (MHz)				2575	2696	2615	unr-lim (dBm)	MPR (dB)				
10	QPSK	1	0	20.66	20.64	20.66						
10	QPSK	1	25	20.60	20.66	20.62	22.6	0				
10	QPSK	1	49	20.65	20.66	20.63						
10	QPSK	25	0	20.65	20.62	20.62						
10	QPSK	25	12	20.66	20.65	20.66	22.6	0				
10	QPSK	25	25	20.64	20.66	20.66						
10	QPSK	50	0	20.63	20.67	20.67						
10	16QAM	1	0	20.60	20.67	20.62						
10	16QAM	1	25	20.67	20.62	20.65	22.6	0				
10	16QAM	1	49	20.62	20.67	20.66						
10	16QAM	25	0	20.64	20.65	20.61						
10	16QAM	25	12	20.66	20.64	20.67	22	0.6				
10	16QAM	25	25	20.61	20.66	20.62						
10	16QAM	50	0	20.64	20.66	20.63						
10	16QAM	50	0	20.10	20.01	19.90						
10	16QAM	25	0	20.08	20.10	20.00						
10	16QAM	25	12	20.11	20.06	19.98	21	1.6				
10	16QAM	25	25	20.03	19.98	20.17						
10	16QAM	50	0	20.10	20.01	19.90						
10	256QAM	1	0	18.23	18.26	17.92						
10	256QAM	1	25	18.01	18.18	18.27	19	3.6				
10	256QAM	1	49	17.87	18.01	18.10						
10	256QAM	25	0	18.00	17.95	18.05						
10	256QAM	25	12	18.15	18.13	18.09	19	3.6				
10	256QAM	25	25	18.12	18.04	17.92						
10	256QAM	50	0	18.05	18.02	18.27						
Channel												
Frequency (MHz)				2572.5	2696.7	2617.5	unr-lim (dBm)	MPR (dB)				
5	QPSK	1	0	20.61	20.61	20.65						
5	QPSK	1	12	20.66	20.63	20.66	22.6	0				
5	QPSK	1	24	20.63	20.67	20.63						
5	QPSK	12	0	20.68	20.62	20.62						
5	QPSK	12	7	20.61	20.67	20.64	22.6	0				
5	QPSK	12	13	20.62	20.62	20.66						
5	QPSK	25	0	20.68	20.63	20.60						
5	16QAM	1	0	20.63	20.61	20.63						
5	16QAM	1	12	20.61	20.66	20.68	22.6	0				
5	16QAM	1	24	20.64	20.67	20.67						
5	16QAM	12	0	20.65	20.67	20.66						
5	16QAM	12	7	20.65	20.62	20.61	22	0.6				
5	16QAM	12	13	20.62	20.62	20.63						
5	16QAM	25	0	20.66	20.64	20.66						
5	16QAM	25	0	20.61	20.63	20.65						
5	16QAM	1	12	20.62	20.67	20.62	22	0.6				
5	16QAM	1	24	20.61	20.62	20.60						
5	16QAM	12	7	20.11	20.04	19.97						
5	16QAM	12	13	20.09	20.00	20.11	21	1.6				
5	16QAM	25	0	20.04	19.98	19.92						
5	256QAM	1	0	18.24	18.21	17.90						
5	256QAM	1	12	18.04	18.17	18.27	19	3.6				
5	256QAM	1	24	17.93	17.95	18.06						
5	256QAM	12	0	17.92	17.97	18.09						
5	256QAM	12	7	18.15	18.09	18.05	19	3.6				
5	256QAM	12	13	18.00	18.02	17.96						
5	256QAM	25	0	18.02	17.96	18.22						

Band 41 Ant 1 Other PA 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	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				39750	40165	40620	41058	41490				
20	QPSK	1	0	20.64	20.62	20.70	20.62	20.65				
20	QPSK	1	49	20.64	20.67	20.66	20.66	20.66	22.6	0		
20	QPSK	1	99	20.66	20.62	20.64	20.64	20.61				
20	QPSK	50	0	20.61	20.63	20.69	20.60	20.66				
20	QPSK	50	24	20.63	20.68	20.66	20.66	20.66				
20	QPSK	50	50	20.66	20.66	20.64	20.63	20.65	22.6	0		
20	QPSK	100	0	20.63	20.62	20.67	20.61	20.65				
20	16QAM	1	0	20.61	20.63	20.61	20.61	20.65				
20	16QAM	1	49	20.61	20.67	20.64	20.63	20.62	22.6	0		
20	16QAM	1	99	20.66	20.62	20.64	20.64	20.61				
20	16QAM	50	0	20.65	20.61	20.60	20.62	20.64				
20	16QAM	50	24	20.66	20.66	20.68	20.62	20.66				
20	16QAM	50	50	20.66	20.64	20.66	20.64	20.61	22			
20	16QAM	100	0	20.64	20.64	20.65	20.62	20.65				
20	16QAM	100	24	20.67	20.68	20.64	20.62	20.61				
20	16QAM	1	49	20.61	20.62	20.65	20.63	20.65	22	0.6		
20	64QAM	1	99	20.64	20.67	20.67	20.61	20.66				
20	64QAM	50	0	19.90	19.89	19.87	19.91	19.86				
20	64QAM	50	24	20.17	20.01	19.78	20.03	19.92	21	1.6		
20	64QAM	50	50	20.17	20.07	19.84	19.95	19.86				
20	64QAM	100	0	20.01	19.94	19.77	19.89	19.94				
20	256QAM	1	0	18.12	18.01	17.88	18.02	18.09				
20	256QAM	1	49	18.01	18.01	18.20	18.02	18.01	19	3.6		
20	256QAM	1	99	17.79	17.76	17.86	17.86	17.85				
20	256QAM	50	0	17.88	17.85	18.00	17.92	17.89				
20	256QAM	50	24	18.04	17.94	18.06	17.91	17.91				
20	256QAM	50	50	17.96	18.05	17.92	17.97	17.85				
20	256QAM	100	0	17.97	17.99	17.98	17.96	17.95				
20	256QAM	100	24	18.07	18.01	18.05	18.05	18.05	un-def	un-def	MPR (dB)	
Frequency (MHz)				25015	25483	25933	26373	26825				
15	QPSK	1	0	20.63	20.66	20.60	20.67	20.66	22.60	0		
15	QPSK	1	37	20.65	20.63	20.60	20.67	20.66				
15	QPSK	1	74	20.67	20.65	20.62	20.67	20.61				
15	QPSK	36	20	20.67	20.67	20.62	20.61	20.60				
15	QPSK	36	20	20.62	20.66	20.65	20.68	20.67	22.6	0		
15	QPSK	36	39	20.62	20.61	20.61	20.68	20.61				
15	QPSK	75	0	20.64	20.66	20.63	20.65	20.61				
15	QPSK	75	24	20.65	20.67	20.67	20.66	20.63	22	0.6		
15	QPSK	75	50	20.67	20.67	20.67	20.66	20.63				
15	16QAM	1	37	20.63	20.66	20.61	20.63	20.61	22.6	0		
15	16QAM	1	74	20.61	20.64	20.62	20.65	20.67				
15	16QAM	36	0	20.66	20.64	20.67	20.61	20.68				
15	16QAM	36	20	20.65	20.67	20.67	20.66	20.63	22	0.6		
15	16QAM	36	39	20.67	20.67	20.67	20.66	20.63				
15	16QAM	75	0	20.63	20.64	20.62	20.63	20.62				
15	64QAM	1	0	20.66	20.63	20.62	20.61	20.66				
15	64QAM	1	37	20.65	20.64	20.64	20.61	20.64	22	0.6		
15	64QAM	1	74	20.67	20.68	20.67	20.63	20.61				
15	64QAM	36	0	19.90	19.81	19.77	19.79	19.77	21	1.6		
15	64QAM	36	20	20.09	19.93	19.66	19.98	19.80				
15	64QAM	36	39	20.03	19.81	20.06	19.74	19.78				
15	64QAM	75	0	19.97	19.90	19.69	19.80	19.81				
15	256QAM	1	0	18.06	18.07	17.94	18.02	18.04				
15	256QAM	1	37	17.90	17.89	18.11	17.96	17.89				
15	256QAM	1	74	17.74	17.86	17.87	17.82	17.83				
15	256QAM	36	0	17.84	17.75	17.95	17.79	17.81				
15	256QAM	36	20	17.94	17.87	17.94	17.82	17.94	19	3.6		
15	256QAM	36	39	17.77	17.89	17.87	17.81	17.83				
15	256QAM	75	0	17.90	17.96	17.96	17.85	17.78				
Channel				39700	40160	40620	41058	41490	un-def	un-def	MPR (dB)	
Frequency (MHz)				2501	25477	25933	26373	26835				
10	QPSK	1	25	20.60	20.62	20.63	20.64	20.64	22.60	0		
10	QPSK	1	49	20.64	20.62	20.65	20.63	20.60				
10	QPSK	25	0	20.61	20.67	20.68	20.63	20.61				
10	QPSK	25	12	20.63	20.66	20.64	20.67	20.63	22.6	0		
10	QPSK	25	25	20.64	20.66	20.64	20.67	20.63				
10	QPSK	50	0	20.64	20.66	20.62	20.68	20.60				
10	16QAM	1	0	20.65	20.61	20.63	20.64	20.63				
10	16QAM	1	25	20.67	20.66	20.60	20.61	20.65	22.6	0		
10	16QAM	1	49	20.61	20.68	20.65	20.66	20.60				
10	16QAM	25	0	20.67	20.60	20.60	20.61	20.65				
10	16QAM	25	12	20.65	20.62	20.62	20.66	20.63	22	0.6		
10	16QAM	25	25	20.63	20.64	20.66	20.63	20.66				
10	16QAM	50	0	20.66	20.62	20.66	20.64	20.68				
10	16QAM	50	12	20.63	20.68	20.64	20.67	20.63				
10	64QAM	1	25	20.67	20.66	20.61	20.61	20.62	22	0.6		
10	64QAM	1	49	20.68	20.65	20.65	20.67	20.61				
10	64QAM	25	0	19.81	19.80	19.82	19.87	19.77				
10	64QAM	25	12	20.06	19.92	19.72	19.97	19.89	21	1.6		
10	64QAM	25	25	20.07	19.89	19.70	19.91	19.80				
10	64QAM	50	0	19.89	19.85	19.67	19.80	19.69				
10	256QAM	1	0	18.07	18.10	17.74	18.06	18.01				
10	256QAM	1	25	17.89	17.89	18.10	17.96	17.84	19	3.6		
10	256QAM	1	49	17.76	17.76	17.86	17.76	17.77				
10	256QAM	25	0	17.77	17.81	17.78	17.85	17.81				
10	256QAM	25	12	18.00	17.81	17.99	17.82	17.82	19	3.6		
10	256QAM	25	25	17.86	17.95	17.89	17.87	17.87				
10	256QAM	50	0	17.94	17.94	17.86	17.83	17.76				
Frequency (MHz)				24865	25458	25933	26400	26875	un-def	un-def	MPR (dB)	
5	QPSK	1	0	20.66	20.64	20.61	20.62	20.62	22.60	0		
5	QPSK	1	12	20.65	20.62	20.65	20.61	20.63				
5	QPSK	1	24	20.64	20.66	20.62	20.61	20.61				
5	QPSK	12	0	20.67	20.68	20.64	20.65	20.65	22.6	0		
5	QPSK	12	7	20.61	20.65	20.68	20.61	20.60				
5	QPSK	12	13	20.65	20.61	20.65	20.66	20.63				
5	QPSK	25	0	20.64	20.60	20.61	20.65	20.65				
5	QPSK	25	0	20.66	20.67	20.65	20.66	20.61				
5	QPSK	12	24	20.66	20.63	20.68	20.62	20.62	22.6	0		
5	16QAM	1	24	20.65	20.67	20.61	20.64	20.62				
5	16QAM	12	0	20.67	20.68	20.65	20.66	20.66				
5	16QAM	12	7	20.63	20.68	20.60	20.64	20.60	22	0.6		
5	16QAM	12	13	20.67	20.62	20.60	20.61	20.65				
5	64QAM	1	0	20.61	20.61	20.67	20.62	20.67				
5	64QAM	1	12	20.67	20.62	20.60	20.65	20.60	22	0.6		
5	64QAM	12	0	20.61	20.67	20.67	20.66	20.61				
5	64QAM	12	7	19.97	19.77	19.82	19.81	19.75				
5	64QAM	12	13	20.00	19.96	19.73	19.95	19.87	21	1.6		
5	64QAM	25	0	19.97	19.97	19.74	19.85	19.82				
5	256QAM	1	0	18.07	18.07	17.74	18.03	18.03	19	3.6		
5	256QAM	1	12	17.88	17.90	18.15	17.99	17.93				
5	256QAM	1	24	17.71	17.83	17.85	17.73	17.93				
5	256QAM	12	0	17.77	17.75	17.96	17.85	17.82				
5	256QAM	12	7	17.91	17.85	17.94	17.86	17.91	19	3.6		
5	256QAM	12	13	17.79	18.0	17.86	17.86	17.85				
5	256QAM	25	0	17.88	17.89	17.93	17.91	17.75				

Band 2 Ant 1 Other PA DS16												
RF BW	Modulation	RF Rate (MHz)	RF Offset (MHz)	Ch. Power (dBm)	Ch. Power (dBm)	Ch. Power (dBm)	Ch. Power (dBm)	Transmit Rate (Mbps)	Spurs (dBc)	Spurs (dBc)	Spurs (dBc)	Spurs (dBc)
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
20	QPSK	1	0	18.13	18.14	18.10	18.10					
20	QPSK	1	49	18.08	18.11	18.08	18.08					
20	QPSK	1	98	18.13	18.10	18.08	18.08					
20	QPSK	55	0	18.00	18.13	18.12	18.12					
20	QPSK	55	50	18.00	18.11	18.08	18.08					
20	QPSK	55	100	18.00	18.13	18.12	18.12					
20	QPSK	100	0	18.00	18.12	18.11	18.11					
20	QPSK	100	50	18.00	18.13	18.12	18.12					
20	16QAM	1	49	18.00	18.06	18.13	18.13					
20	16QAM	1	99	18.00	18.05	18.12	18.12					
20	16QAM	55	0	18.00	18.13	18.12	18.12					
20	16QAM	55	50	18.00	18.11	18.08	18.08					
20	16QAM	55	100	18.00	18.13	18.12	18.12					
20	16QAM	100	0	18.00	18.12	18.11	18.11					
20	16QAM	100	50	18.00	18.13	18.12	18.12					
20	16QAM	100	100	18.00	18.12	18.11	18.11					
20	16QAM	100	150	18.00	18.13	18.12	18.12					
20	16QAM	100	200	18.00	18.13	18.12	18.12					
20	16QAM	100	250	18.00	18.13	18.12	18.12					
20	16QAM	100	300	18.00	18.13	18.12	18.12					
20	16QAM	100	350	18.00	18.13	18.12	18.12					
20	16QAM	100	400	18.00	18.13	18.12	18.12					
20	16QAM	100	450	18.00	18.13	18.12	18.12					
20	16QAM	100	500	18.00	18.13	18.12	18.12					
20	16QAM	100	550	18.00	18.13	18.12	18.12					
20	16QAM	100	600	18.00	18.13	18.12	18.12					
20	16QAM	100	650	18.00	18.13	18.12	18.12					
20	16QAM	100	700	18.00	18.13	18.12	18.12					
20	16QAM	100	750	18.00	18.13	18.12	18.12					
20	16QAM	100	800	18.00	18.13	18.12	18.12					
20	16QAM	100	850	18.00	18.13	18.12	18.12					
20	16QAM	100	900	18.00	18.13	18.12	18.12					
20	16QAM	100	950	18.00	18.13	18.12	18.12					
20	16QAM	100	1000	18.00	18.13	18.12	18.12					
20	16QAM	100	1050	18.00	18.13	18.12	18.12					
20	16QAM	100	1100	18.00	18.13	18.12	18.12					
20	16QAM	100	1150	18.00	18.13	18.12	18.12					
20	16QAM	100	1200	18.00	18.13	18.12	18.12					
20	16QAM	100	1250	18.00	18.13	18.12	18.12					
20	16QAM	100	1300	18.00	18.13	18.12	18.12					
20	16QAM	100	1350	18.00	18.13	18.12	18.12					
20	16QAM	100	1400	18.00	18.13	18.12	18.12					
20	16QAM	100	1450	18.00	18.13	18.12	18.12					
20	16QAM	100	1500	18.00	18.13	18.12	18.12					
20	16QAM	100	1550	18.00	18.13	18.12	18.12					
20	16QAM	100	1600	18.00	18.13	18.12	18.12					
20	16QAM	100	1650	18.00	18.13	18.12	18.12					
20	16QAM	100	1700	18.00	18.13	18.12	18.12					
20	16QAM	100	1750	18.00	18.13	18.12	18.12					
20	16QAM	100	1800	18.00	18.13	18.12	18.12					
20	16QAM	100	1850	18.00	18.13	18.12	18.12					
20	16QAM	100	1900	18.00	18.13	18.12	18.12					
20	16QAM	100	1950	18.00	18.13	18.12	18.12					
20	16QAM	100	2000	18.00	18.13	18.12	18.12					
20	16QAM	100	2050	18.00	18.13	18.12	18.12					
20	16QAM	100	2100	18.00	18.13	18.12	18.12					
20	16QAM	100	2150	18.00	18.13	18.12	18.12					
20	16QAM	100	2200	18.00	18.13	18.12	18.12					
20	16QAM	100	2250	18.00	18.13	18.12	18.12					
20	16QAM	100	2300	18.00	18.13	18.12	18.12					
20	16QAM	100	2350	18.00	18.13	18.12	18.12					
20	16QAM	100	2400	18.00	18.13	18.12	18.12					
20	16QAM	100	2450	18.00	18.13	18.12	18.12					
20	16QAM	100	2500	18.00	18.13	18.12	18.12					
20	16QAM	100	2550	18.00	18.13	18.12	18.12					
20	16QAM	100	2600	18.00	18.13	18.12	18.12					
20	16QAM	100	2650	18.00	18.13	18.12	18.12					
20	16QAM	100	2700	18.00	18.13	18.12	18.12					
20	16QAM	100	2750	18.00	18.13	18.12	18.12					
20	16QAM	100	2800	18.00	18.13	18.12	18.12					
20	16QAM	100	2850	18.00	18.13	18.12	18.12					
20	16QAM	100	2900	18.00	18.13	18.12	18.12					
20	16QAM	100	2950	18.00	18.13	18.12	18.12					
20	16QAM	100	3000	18.00	18.13	18.12	18.12					
20	16QAM	100	3050	18.00	18.13	18.12	18.12					
20	16QAM	100	3100	18.00	18.13	18.12	18.12					
20	16QAM	100	3150	18.00	18.13	18.12	18.12					
20	16QAM	100	3200	18.00	18.13	18.12	18.12					
20	16QAM	100	3250	18.00	18.13	18.12	18.12					
20	16QAM	100	3300	18.00	18.13	18.12	18.12					
20	16QAM	100	3350	18.00	18.13	18.12	18.12					
20	16QAM	100	3400	18.00	18.13	18.12	18.12					
20	16QAM	100	3450	18.00	18.13	18.12	18.12					
20	16QAM	100	3500	18.00	18.13	18.12	18.12					
20	16QAM	100	3550	18.00	18.13	18.12	18.12					
20	16QAM	100	3600	18.00	18.13	18.12	18.12					
20	16QAM	100	3650	18.00	18.13	18.12	18.12					
20	16QAM	100	3700	18.00	18.13	18.12	18.12					
20	16QAM	100	3750	18.00	18.13	18.12	18.12					
20	16QAM	100	3800	18.00	18.13	18.12	18.12					
20	16QAM	100	3850	18.00	18.13	18.12	18.12					
20	16QAM	100	3900	18.00	18.13	18.12	18.12					
20	16QAM	100	3950	18.00	18.13	18.12	18.12					
20	16QAM	100	4000	18.00	18.13	18.12	18.12					
20	16QAM	100	4050	18.00	18.13	18.12	18.12					
20	16QAM	100	4100	18.00	18.13	18.12	18.12					
20	16QAM	100	4150	18.00	18.13	18.12	18.12					
20	16QAM	100	4200	18.00	18.13	18.12	18.12					
20	16QAM	100	4250	18.00	18.13	18.12	18.12					
20	16QAM	100	4300	18.00	18.13	18.12	18.12					
20	16QAM	100	4350	18.00	18.13	18.12	18.12					
20	16QAM	100	4400	18.00	18.13	18.12	18.12					
20	16QAM	100	4450	18.00	18.13	18.12	18.12					
20	16QAM	100	4500	18.00	18.13	18.12	18.12					
20	16QAM	100	4550	18.00	18.13	18.12	18.12					
20	16QAM	100	4600	18.00	18.13	18.12	18.12					
20	16QAM	100	4650	18.00	18.13	18.12	18.12					
20	16QAM	100	4700	18.00	18.13	18.12	18.12					
20	16QAM	100	4750	18.00	18.13	18.12	18.12					
20	16QAM	100	4800	18.00	18.13	18.12	18.12					
20	16QAM	100	4850	18.00	18.13	18.12	18.12					
20	16QAM	100	4900	18.00	18.13	18.12	18.12					
20	16QAM	100	4950	18.00	18.13	18.12	18.12					
20	16QAM	100	5000	18.00	18.13	18.12	18.12					
20	16QAM	100	5050	18.00	18.13	18.12	18.12					
20	16QAM	100	5100	18.00	18.13	18.12	18.12					
20	16QAM	100	5150	18.00	18.13	18.12	18.12					
20	16QAM	100	5200	18.00	18.13	18.12	18.12					
20	16QAM	100	5250	18.00	18.13	18.12	18.12					
20	16QAM	100	5300	18.00	18.13	18.12	18.12					
20	16QAM	100	5350	18.00	18.13	18.12	18.12					
20	16QAM	100	5400	18.00	18.13	18.12	18.12					
20	16QAM	100	5450	18.00	18.13	18.12	18.12					
20	16QAM	100	5500	18.00	18.13	18.12	18.12					
20	16QAM	100	5550	18.00	18.13	18.12	18.12					
20	16QAM	100	5600	18.00	18.13	18.12	18.					

Band 4 Ant 1 Other PA DSI6											
RF	Modem	RF	RF	Power	Power	Power					
Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch
30	QPRK	1	0	19.11	19.13	19.10					
31	QPRK	1	49	19.11	19.07	19.08					0.4
32	QPRK	1	99	19.06	19.08	19.08					0.4
33	QPRK	50	0	19.06	19.12	19.08					
34	QPRK	50	24	19.10	19.09	19.09					0.4
35	QPRK	50	99	19.06	19.07	19.07					
36	QPRK	100	0	19.05	19.11	19.09					
37	16QAM	1	49	19.11	19.09	19.08					
38	16QAM	1	99	19.12	19.10	19.11					
39	16QAM	50	0	19.06	19.09	19.12					
40	16QAM	50	24	19.12	19.10	19.10					
41	16QAM	100	0	19.06	19.05	19.05					
42	8QAM	1	0	19.02	19.10	19.10					
43	8QAM	1	49	19.12	19.09	19.09					0.4
44	8QAM	1	99	19.06	19.08	19.08					
45	8QAM	50	0	19.12	19.10	19.11					
46	8QAM	50	24	19.08	19.10	19.07					
47	8QAM	100	0	19.05	19.10	19.11					
48	25QAM	1	0	17.74	17.81	17.80					
49	25QAM	1	49	17.82	17.79	17.77					1.4
50	25QAM	1	99	17.81	17.82	17.78					
51	25QAM	50	0	17.68	17.68	17.67					
52	25QAM	50	24	17.63	17.56	17.48					
53	25QAM	100	0	17.63	17.56	17.48					
54	25QAM	100	24	17.63	17.56	17.48					
55	25QAM	100	99	17.63	17.56	17.48					
56	25QAM	100	99	17.63	17.56	17.48					
57	25QAM	100	99	17.63	17.56	17.48					
58	25QAM	100	99	17.63	17.56	17.48					
59	25QAM	100	99	17.63	17.56	17.48					
60	25QAM	100	99	17.63	17.56	17.48					
61	25QAM	100	99	17.63	17.56	17.48					
62	25QAM	100	99	17.63	17.56	17.48					
63	25QAM	100	99	17.63	17.56	17.48					
64	25QAM	100	99	17.63	17.56	17.48					
65	25QAM	100	99	17.63	17.56	17.48					
66	25QAM	100	99	17.63	17.56	17.48					
67	25QAM	100	99	17.63	17.56	17.48					
68	25QAM	100	99	17.63	17.56	17.48					
69	25QAM	100	99	17.63	17.56	17.48					
70	25QAM	100	99	17.63	17.56	17.48					
71	25QAM	100	99	17.63	17.56	17.48					
72	25QAM	100	99	17.63	17.56	17.48					
73	25QAM	100	99	17.63	17.56	17.48					
74	25QAM	100	99	17.63	17.56	17.48					
75	25QAM	100	99	17.63	17.56	17.48					
76	25QAM	100	99	17.63	17.56	17.48					
77	25QAM	100	99	17.63	17.56	17.48					
78	25QAM	100	99	17.63	17.56	17.48					
79	25QAM	100	99	17.63	17.56	17.48					
80	25QAM	100	99	17.63	17.56	17.48					
81	25QAM	100	99	17.63	17.56	17.48					
82	25QAM	100	99	17.63	17.56	17.48					
83	25QAM	100	99	17.63	17.56	17.48					
84	25QAM	100	99	17.63	17.56	17.48					
85	25QAM	100	99	17.63	17.56	17.48					
86	25QAM	100	99	17.63	17.56	17.48					
87	25QAM	100	99	17.63	17.56	17.48					
88	25QAM	100	99	17.63	17.56	17.48					
89	25QAM	100	99	17.63	17.56	17.48					
90	25QAM	100	99	17.63	17.56	17.48					
91	25QAM	100	99	17.63	17.56	17.48					
92	25QAM	100	99	17.63	17.56	17.48					
93	25QAM	100	99	17.63	17.56	17.48					
94	25QAM	100	99	17.63	17.56	17.48					
95	25QAM	100	99	17.63	17.56	17.48					
96	25QAM	100	99	17.63	17.56	17.48					
97	25QAM	100	99	17.63	17.56	17.48					
98	25QAM	100	99	17.63	17.56	17.48					
99	25QAM	100	99	17.63	17.56	17.48					
100	25QAM	100	99	17.63	17.56	17.48					

[illegible][illegible]

Band 38 Ant 1 Other PA DS16												
BW [MHz]	Modulation	RB Size	RB offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.12	21.15	21.07						
20	QPSK	1	49	21.07	21.03	21.08	23	0				
20	QPSK	1	99	21.05	21.07	21.05						
20	QPSK	50	0	21.06	21.13	21.05						
20	QPSK	50	24	21.06	21.08	21.04						
20	QPSK	50	50	21.05	21.10	21.11	23	0				
20	QPSK	100	0	21.06	21.11	21.10						
20	16QAM	1	0	21.09	21.03	21.08						
20	16QAM	1	49	21.10	21.03	21.06	23	0				
20	16QAM	1	99	21.03	21.03	21.09						
20	16QAM	50	0	21.09	21.10	21.10						
20	16QAM	50	24	21.07	21.09	21.06	22	1				
20	16QAM	50	50	21.10	21.07	21.05						
20	16QAM	100	0	21.04	21.06	21.05						
20	16QAM	1	0	21.09	21.10	21.10						
20	16QAM	1	49	21.10	21.10	21.04	22	1				
20	16QAM	1	99	21.07	21.08	21.10						
20	16QAM	50	0	20.12	20.16	20.08						
20	16QAM	50	24	20.22	20.12	20.07	21	2				
20	16QAM	50	50	20.13	20.03	20.03						
20	256QAM	100	0	20.14	20.05	20.00						
20	256QAM	1	0	18.31	18.31	18.01	19	4				
20	256QAM	1	49	18.08	18.25	18.36						
20	256QAM	1	99	17.88	18.06	18.15						
20	256QAM	50	0	18.05	18.03	18.15	19	4				
20	256QAM	50	24	18.27	18.20	18.16						
20	256QAM	50	50	18.15	18.06	18.05						
20	256QAM	100	0	18.10	18.07	18.30						
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.10	21.10	21.10						
15	QPSK	1	37	21.11	21.03	21.10	23	0				
15	QPSK	1	74	21.11	21.06	21.08						
15	QPSK	36	0	21.07	21.03	21.11						
15	QPSK	36	20	21.09	21.11	21.09	23	0				
15	QPSK	36	39	21.06	21.04	21.11						
15	QPSK	75	0	21.03	21.06	21.11						
15	16QAM	1	0	21.05	21.06	21.08						
15	16QAM	1	37	21.06	21.05	21.08	23	0				
15	16QAM	1	74	21.04	21.07	21.04						
15	16QAM	36	0	21.06	21.09	21.06	21.03					
15	16QAM	36	20	21.05	21.07	21.04	22	1				
15	16QAM	36	39	21.07	21.11	21.05						
15	16QAM	75	0	21.05	21.10	21.08						
15	16QAM	75	0	21.05	21.10	21.08						
15	16QAM	1	0	21.11	21.06	21.04						
15	16QAM	1	37	21.10	21.09	21.07	22	1				
15	16QAM	1	74	21.08	21.10	21.04						
15	16QAM	36	0	20.01	20.11	20.04						
15	16QAM	36	20	20.12	20.01	19.97	21	2				
15	16QAM	36	39	20.02	19.98	19.94						
15	16QAM	75	0	20.08	19.98	19.94						
15	256QAM	1	0	18.21	18.24	18.26						
15	256QAM	1	37	18.00	18.13	18.07	19	4				
15	256QAM	1	74	17.97	17.99	18.05						
15	256QAM	36	0	17.92	18.00	18.07						
15	256QAM	36	20	18.16	18.13	18.06	19	4				
15	256QAM	36	39	18.04	18.04	17.93						
15	256QAM	75	0	18.05	18.06	18.18						
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.05	21.05	21.10						
10	QPSK	1	25	21.09	21.05	21.08	23	0				
10	QPSK	1	49	21.06	21.06	21.04						
10	QPSK	25	0	21.05	21.11	21.08						
10	QPSK	25	12	21.06	21.03	21.06	23	0				
10	QPSK	25	25	21.05	21.06	21.07						
10	QPSK	50	0	21.10	21.10	21.11						
10	16QAM	1	0	21.05	21.05	21.07						
10	16QAM	1	25	21.10	21.10	21.08	23	0				
10	16QAM	1	49	21.03	21.05	21.06						
10	16QAM	25	0	21.08	21.09	21.11						
10	16QAM	25	12	21.04	21.03	21.04	22	1				
10	16QAM	50	0	21.04	21.04	21.04						
10	16QAM	1	0	21.07	21.08	21.05	22	1				
10	16QAM	1	25	21.09	21.04	21.07						
10	16QAM	1	49	21.04	21.06	21.11						
10	16QAM	25	0	20.08	20.10	20.00						
10	16QAM	25	12	20.11	20.06	19.98	21	2				
10	16QAM	25	25	20.03	19.98	20.17						
10	16QAM	50	0	20.10	20.01	19.90						
10	256QAM	1	0	18.23	18.26	17.92						
10	256QAM	1	25	18.01	18.18	18.27	19	4				
10	256QAM	1	49	17.87	18.01	18.10						
10	256QAM	25	0	18.00	17.95	18.05						
10	256QAM	25	12	18.19	18.13	18.09	19	4				
10	256QAM	25	25	18.12	18.04	17.92						
10	256QAM	50	0	18.05	18.02	18.27						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.05	21.05	21.10						
5	QPSK	1	12	21.07	21.10	21.08	23	0				
5	QPSK	1	24	21.09	21.04	21.07						
5	QPSK	12	0	21.06	21.05	21.09						
5	QPSK	12	7	21.05	21.05	21.07						
5	QPSK	12	13	21.07	21.06	21.06	23	0				
5	QPSK	25	0	21.08	21.06	21.10						
5	16QAM	1	0	21.04	21.04	21.10						
5	16QAM	1	12	21.05	21.03	21.07	23	0				
5	16QAM	1	24	21.08	21.07	21.05						
5	16QAM	12	0	21.10	21.07	21.06						
5	16QAM	12	7	21.04	21.07	21.07	22	1				
5	16QAM	12	13	21.10	21.05	21.11						
5	16QAM	25	0	21.10	21.04	21.10						
5	16QAM	1	0	21.08	21.06	21.08						
5	16QAM	1	12	21.10	21.05	21.05	22	1				
5	16QAM	12	7	20.11	20.04	19.97	21	2				
5	16QAM	12	13	20.09	20.00	20.11						
5	16QAM	25	0	20.04	19.98	19.92						
5	256QAM	1	0	18.24	18.21	17.90	19	4				
5	256QAM	1	12	18.04	18.17	18.27						
5	256QAM	1	24	17.93	17.95	18.06						
5	256QAM	12	0	17.92	17.97	18.09						
5	256QAM	12	7	18.15	18.09	18.05	19	4				
5	256QAM	12	13	18.03	18.02	17.96						
5	256QAM	25	0	18.02	17.96	18.22						

Band 41 Ant 1 Other PA 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	Power Turn-up limit (dBm)	MPR (dB)			
Channel												
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	21.08	21.08	21.13	21.08	21.03				
20	QPSK	1	49	21.04	21.06	21.11	21.08	21.03	23	0		
20	QPSK	1	99	21.07	21.07	21.07	21.10	21.11				
20	QPSK	50	0	21.08	21.10	21.11	21.04	21.07				
20	QPSK	50	24	21.08	21.05	21.04	21.08	21.08	23	0		
20	QPSK	50	50	21.05	21.09	21.09	21.05	21.10				
20	QPSK	100	0	21.05	21.07	21.09	21.05	21.06				
20	16QAM	1	0	21.05	21.11	21.04	21.10	21.06				
20	16QAM	1	49	21.07	21.04	21.08	21.11	21.11	23	0		
20	16QAM	50	0	21.08	21.06	21.06	21.03	21.07				
20	16QAM	50	24	21.08	21.06	21.04	21.08	21.03	22			
20	16QAM	50	50	21.03	21.08	21.04	21.10	21.06				
20	16QAM	100	0	21.08	21.05	21.11	21.06	21.06				
20	16QAM	1	0	21.04	21.08	21.09	21.07	21.04				
20	16QAM	1	49	21.05	21.08	21.07	21.11	21.07				
20	16QAM	1	99	21.11	21.09	21.03	21.09	21.04				
20	16QAM	50	0	19.90	19.89	19.87	19.91	19.86				
20	16QAM	50	24	20.17	20.01	19.78	20.03	19.92	21	2		
20	16QAM	50	50	19.92	19.98	19.99	19.95	19.99				
20	16QAM	100	0	20.31	19.94	19.77	19.89	19.94				
20	256QAM	1	0	18.12	18.15	17.84	18.12	18.09				
20	256QAM	1	49	18.01	18.01	18.20	18.02	18.01	19	4		
20	256QAM	1	99	17.79	17.80	17.86	17.85	18.02				
20	256QAM	50	0	17.84	17.84	17.81	17.82	17.89				
20	256QAM	50	24	18.04	17.84	18.05	17.91	18.01				
20	256QAM	50	50	17.87	18.05	17.82	17.97	17.85				
20	256QAM	100	0	17.97	17.59	17.96	17.98	17.97	un-spc	un-spc	MPR (dB)	
Channel				2550.5	2549.3	2593	2637.3	2682.5				
Frequency (MHz)				2550.5	2549.3	2593	2637.3	2682.5				
15	QPSK	1	0	21.10	21.03	21.06	21.09	21.09				
15	QPSK	1	37	21.05	21.08	21.05	21.05	21.09	23.00	0		
15	QPSK	1	74	21.10	21.08	21.06	21.10	21.08				
15	QPSK	50	0	21.07	21.09	21.08	21.09	21.07	23	0		
15	QPSK	36	20	21.08	21.09	21.04	21.08	21.04				
15	QPSK	36	36	21.06	21.05	21.09	21.10	21.06				
15	QPSK	75	0	21.04	21.04	21.09	21.11	21.04				
15	16QAM	1	0	21.09	21.07	21.08	21.10	21.09	23	0		
15	16QAM	1	37	21.03	21.08	21.06	21.08	21.11				
15	16QAM	50	0	21.08	21.10	21.11	21.05	21.04	22	1		
15	16QAM	36	20	21.03	21.04	21.06	21.08	21.06				
15	16QAM	36	36	21.09	21.10	21.11	21.11	21.04				
15	16QAM	75	0	21.09	21.10	21.10	21.05	21.11				
15	64QAM	1	0	21.09	21.11	21.09	21.05	21.11				
15	64QAM	1	37	21.04	21.04	21.05	21.05	21.11	22	1		
15	64QAM	1	74	21.07	21.11	21.04	21.04	21.10				
15	64QAM	36	20	20.99	19.93	19.86	19.98	19.80	21	2		
15	64QAM	36	36	20.93	19.81	20.06	19.74	19.78				
15	64QAM	75	0	19.87	19.90	19.89	19.80	19.81				
15	256QAM	1	0	18.06	18.07	17.84	18.06	18.01				
15	256QAM	1	37	17.90	17.89	18.11	17.96	17.89	19			
15	256QAM	1	74	17.74	17.86	17.87	17.82	17.93				
15	256QAM	36	20	17.84	17.75	17.94	17.79	17.81				
15	256QAM	36	36	17.84	17.87	17.84	17.82	17.84	19	4		
15	256QAM	75	0	17.90	17.79	17.86	17.80	17.83				
15	256QAM	75	0	17.90	17.96	17.86	17.85	17.88				
Channel				3670.0	4016.0	4062.0	4188.0	4194.0	un-spc	un-spc	MPR (dB)	
Frequency (MHz)				2201	2547	2593	2639	2685				
10	QPSK	1	0	21.04	21.05	21.08	21.05	21.07	23.00	0		
10	QPSK	1	25	21.04	21.11	21.08	21.05	21.07				
10	QPSK	1	49	21.07	21.08	21.08	21.04	21.06				
10	QPSK	50	0	21.06	21.08	21.08	21.07	21.11				
10	QPSK	25	12	21.07	21.08	21.03	21.06	21.07				
10	QPSK	25	25	21.11	21.08	21.09	21.07	21.11	23	0		
10	QPSK	50	0	21.09	21.08	21.06	21.07	21.03				
10	16QAM	1	0	21.07	21.05	21.11	21.04	21.11				
10	16QAM	1	25	21.10	21.07	21.05	21.11	21.05	23	0		
10	16QAM	50	0	21.04	21.08	21.05	21.08	21.06				
10	16QAM	25	12	21.09	21.09	21.03	21.07	21.11	22	1		
10	16QAM	25	25	21.08	21.05	21.10	21.03	21.07				
10	16QAM	50	0	21.11	21.04	21.05	21.10	21.06				
10	16QAM	1	0	21.09	21.09	21.09	21.04	21.09	22	1		
10	64QAM	1	25	21.05	21.04	21.04	21.05	21.11				
10	64QAM	1	49	21.04	21.05	21.09	21.11	21.09				
10	64QAM	25	0	19.81	19.80	19.82	19.87	19.77				
10	64QAM	25	12	20.08	19.82	19.72	19.97	19.89	21	2		
10	64QAM	25	25	20.07	19.89	19.78	19.81	19.80				
10	64QAM	50	0	19.89	19.85	19.87	19.80	19.89				
10	256QAM	1	0	18.07	18.10	17.74	18.06	18.01				
10	256QAM	1	25	17.89	17.89	18.10	17.96	17.84	19	4		
10	256QAM	1	49	17.87	17.87	17.86	17.85	17.87				
10	256QAM	25	0	17.77	18.01	17.89	17.85	17.84				
10	256QAM	25	12	18.00	17.81	17.99	17.82	17.87	19	4		
10	256QAM	25	25	17.86	17.85	17.89	17.87	17.82				
10	256QAM	50	0	17.94	17.94	17.86	17.83	17.78				
Channel				2498.5	2548.8	2593	2640.30	2697.5	un-spc	un-spc	MPR (dB)	
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2697.5				
5	QPSK	1	0	21.10	21.08	21.09	21.04	21.04	23.00	0		
5	QPSK	1	12	21.09	21.10	21.04	21.08	21.06				
5	QPSK	1	24	21.09	21.08	21.05	21.05	21.07				
5	QPSK	12	0	21.09	21.06	21.11	21.10	21.05	23	0		
5	QPSK	12	12	21.08	21.07	21.10	21.04	21.05				
5	QPSK	12	13	21.05	21.10	21.08	21.10	21.08				
5	QPSK	25	0	21.08	21.11	21.07	21.09	21.06	23	0		
5	QPSK	25	12	21.08	21.09	21.05	21.08	21.08				
5	16QAM	1	0	21.10	21.08	21.09	21.04	21.09	23	0		
5	16QAM	1	12	21.08	21.11	21.08	21.04	21.11				
5	16QAM	1	24	21.10	21.05	21.08	21.06	21.08				
5	16QAM	12	0	21.06	21.05	21.09	21.07	21.04	22	1		
5	16QAM	12	12	21.07	21.05	21.09	21.08	21.06				
5	16QAM	12	13	21.09	21.09	21.08	21.08	21.06				
5	16QAM	25	0	21.09	21.10	21.09	21.05	21.03	22	1		
5	64QAM	1	0	21.08	21.07	21.04	21.06	21.05				
5	64QAM	1	12	21.09	21.05	21.07	21.09	21.03				
5	64QAM	1	24	21.08	21.06	21.07	21.09	21.05				
5	64QAM	12	0	19.87	19.78	19.82	19.81	19.75	21	2		
5	64QAM	12	7	20.09	19.98	19.73	19.95	19.87				
5	64QAM	12	13	20.00	19.85	20.02	19.75	19.76	21	2		
5	256QAM	25	0	19.87	19.87	19.74	19.85	19.82				
5	256QAM	25	12	18.00	18.03	17.71	18.00	17.92				
5	256QAM	50	0	17.98	17.90	18.15	17.99	17.97				
5	256QAM	1	24	17.71	17.83	17.87	17.73	17.83				
5	256QAM	12	0	17.77	17.75	17.86	17.85	17.82				
5	256QAM	12	12	17.89	17.87	17.86	17.86	17.82				
5	256QAM	12	13	17.80	18.01	17.84	17.85	17.85	19	4		
5	256QAM	25	0	17.88	17.89	17.93	17.91	17.75				



Band 2 Ant 1 Other PA DS17									
BW (MHz)	Modulation	RB Size (MHz)	RB Offset (MHz)	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Turn-up (dB)	Turn-off (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.00	16.00	16.00	16.00	17.5	0
20	QPSK	1	40	16.06	16.10	16.01	16.11	17.5	0
20	QPSK	1	80	16.06	16.08	16.12	16.06	17.5	0
20	QPSK	1	120	16.06	16.11	16.07	16.09	17.5	0
20	QPSK	50	24	16.02	16.11	16.06	16.12	17.5	0
20	QPSK	50	16	16.13	16.12	16.12	16.12	17.5	0
20	QPSK	100	0	16.02	16.06	16.12	16.06	17.5	0
20	16QAM	1	0	16.05	16.05	16.12	16.05	17.5	0
20	16QAM	1	40	16.06	16.06	16.11	16.06	17.5	0
20	16QAM	1	80	16.11	16.04	16.04	16.11	17.5	0
20	16QAM	50	0	16.06	16.14	16.04	16.06	17.5	0
20	16QAM	50	24	16.11	16.14	16.10	16.10	17.5	0
20	16QAM	50	16	16.04	16.08	16.07	16.07	17.5	0
20	16QAM	100	0	16.04	16.02	16.10	16.06	17.5	0
20	64QAM	1	0	16.11	16.03	16.02	16.02	17.5	0
20	64QAM	1	40	16.05	16.06	16.06	16.05	17.5	0
20	64QAM	50	0	16.07	16.08	16.03	16.03	17.5	0
20	64QAM	50	24	16.12	16.06	16.06	16.12	17.5	0
20	64QAM	50	16	16.04	16.05	16.06	16.04	17.5	0
20	64QAM	100	0	16.08	16.07	16.12	16.08	17.5	0
20	256QAM	1	0	16.05	16.07	16.07	16.05	17.5	0
20	256QAM	1	40	16.05	16.07	16.11	16.05	17.5	0
20	256QAM	1	80	16.12	16.06	16.06	16.12	17.5	0
20	256QAM	50	0	16.05	16.05	16.06	16.05	17.5	0
20	256QAM	50	24	16.08	16.10	16.13	16.08	17.5	0
20	256QAM	50	16	16.04	16.08	16.08	16.04	17.5	0
20	256QAM	100	0	16.05	16.06	16.04	16.04	17.5	0
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.00	16.00	16.00	16.00	17.5	0
15	QPSK	1	37	16.00	16.02	16.11	16.00	17.5	0
15	QPSK	1	74	16.08	16.09	16.09	16.08	17.5	0
15	QPSK	36	0	16.00	16.10	16.02	16.02	17.5	0
15	QPSK	36	20	16.11	16.02	16.08	16.08	17.5	0
15	QPSK	36	36	16.01	16.08	16.00	16.00	17.5	0
15	QPSK	72	0	16.11	16.09	16.00	16.00	17.5	0
15	16QAM	1	0	16.07	16.03	16.09	16.07	17.5	0
15	16QAM	1	37	16.07	16.03	16.09	16.07	17.5	0
15	16QAM	1	74	16.11	16.07	16.09	16.11	17.5	0
15	16QAM	36	0	16.02	16.11	16.10	16.10	17.5	0
15	16QAM	36	20	16.06	16.08	16.07	16.06	17.5	0
15	16QAM	36	36	16.01	16.09	16.02	16.02	17.5	0
15	16QAM	72	0	16.00	16.06	16.10	16.00	17.5	0
15	64QAM	1	0	16.03	16.08	16.06	16.03	17.5	0
15	64QAM	37	0	16.00	16.09	16.04	16.04	17.5	0
15	64QAM	37	16	16.09	16.01	16.09	16.09	17.5	0
15	64QAM	74	0	16.09	16.09	16.09	16.09	17.5	0
15	64QAM	36	0	16.02	16.00	16.08	16.02	17.5	0
15	64QAM	36	20	16.08	16.08	16.10	16.08	17.5	0
15	64QAM	36	36	16.00	16.00	16.03	16.03	17.5	0
15	64QAM	72	0	16.00	16.10	16.06	16.00	17.5	0
15	256QAM	1	0	16.11	16.01	16.09	16.11	17.5	0
15	256QAM	1	37	16.04	16.09	16.09	16.04	17.5	0
15	256QAM	1	74	16.09	16.09	16.09	16.09	17.5	0
15	256QAM	36	0	16.02	16.00	16.08	16.02	17.5	0
15	256QAM	36	20	16.08	16.08	16.10	16.08	17.5	0
15	256QAM	36	36	16.00	16.00	16.03	16.03	17.5	0
15	256QAM	72	0	16.00	16.10	16.06	16.00	17.5	0
15	256QAM	72	16	16.09	16.01	16.09	16.09	17.5	0
15	256QAM	144	0	16.09	16.09	16.09	16.09	17.5	0
15	256QAM	36	20	16.08	16.03	16.02	16.02	17.5	0
15	256QAM	36	36	16.00	16.00	16.02	16.02	17.5	0
15	256QAM	72	0	16.00	16.03	16.08	16.00	17.5	0
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.97	16.04	16.06	15.97	17.5	0
10	QPSK	1	20	15.97	16.08	16.02	16.02	17.5	0
10	QPSK	1	40	16.04	15.99	16.06	16.04	17.5	0
10	QPSK	25	0	15.99	16.04	16.02	16.02	17.5	0
10	QPSK	25	12	16.10	16.06	16.01	16.01	17.5	0
10	QPSK	25	25	16.07	16.11	16.07	16.07	17.5	0
10	QPSK	50	0	16.04	15.97	16.01	16.01	17.5	0
10	16QAM	1	0	16.03	16.06	16.06	16.03	17.5	0
10	16QAM	1	25	16.06	16.04	16.07	16.06	17.5	0
10	16QAM	1	40	16.11	16.11	16.09	16.11	17.5	0
10	16QAM	25	0	16.06	16.04	16.10	16.06	17.5	0
10	16QAM	25	12	16.00	16.01	16.12	16.00	17.5	0
10	16QAM	25	25	15.99	16.09	16.04	16.04	17.5	0
10	16QAM	50	0	15.97	16.06	16.06	15.97	17.5	0
10	16QAM	1	0	16.04	15.99	16.07	16.04	17.5	0
10	16QAM	1	25	16.01	16.10	16.09	16.09	17.5	0
10	64QAM	1	0	16.09	16.00	16.04	16.09	17.5	0
10	64QAM	25	0	15.99	16.07	16.07	15.99	17.5	0
10	64QAM	25	12	16.07	16.06	16.07	16.07	17.5	0
10	64QAM	25	25	16.00	15.99	16.04	16.00	17.5	0
10	64QAM	50	0	16.00	16.07	16.07	16.00	17.5	0
10	256QAM	1	0	16.04	16.02	16.06	16.04	17.5	0
10	256QAM	1	25	15.97	16.08	16.01	16.01	17.5	0
10	256QAM	1	40	16.02	16.07	16.07	16.02	17.5	0
10	256QAM	25	0	16.11	16.04	16.07	16.11	17.5	0
10	256QAM	25	12	16.00	16.07	16.07	16.00	17.5	0
10	256QAM	25	25	16.06	16.07	16.07	16.06	17.5	0
10	256QAM	50	0	15.97	16.04	16.08	15.97	17.5	0
10	256QAM	50	0	15.97	16.00	16.10	15.97	17.5	0
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.11	16.10	16.03	16.03	17.5	0
5	QPSK	1	12	16.06	15.97	16.04	16.04	17.5	0
5	QPSK	1	24	16.00	16.08	16.05	16.05	17.5	0
5	QPSK	12	0	16.00	16.00	16.09	16.09	17.5	0
5	QPSK	12	7	16.12	16.05	16.06	16.06	17.5	0
5	QPSK	12	13	15.96	16.01	16.10	16.10	17.5	0
5	QPSK	25	0	16.09	16.09	16.06	16.06	17.5	0
5	16QAM	1	0	16.10	16.00	16.10	16.10	17.5	0
5	16QAM	1	12	16.02	16.00	16.03	16.03	17.5	0
5	16QAM	1	24	16.00	16.10	16.00	16.00	17.5	0
5	16QAM	12	0	16.06	16.02	16.10	16.06	17.5	0
5	16QAM	12	7	16.09	16.03	16.07	16.07	17.5	0
5	16QAM	12	13	16.10	16.08	16.06	16.06	17.5	0
5	16QAM	25	0	16.04	15.99	16.10	16.10	17.5	0
5	16QAM	1	0	16.00	16.07	16.06	16.06	17.5	0
5	16QAM	1	12	16.06	16.03	16.02	16.02	17.5	0
5	64QAM	1	24	16.06	16.04	16.06	16.06	17.5	0
5	64QAM	12	0	16.11	16.07	16.07	16.11	17.5	0
5	64QAM	12	7	15.97	16.08	16.02	16.02	17.5	0
5	64QAM	25	0	16.06	16.06	16.00	16.00	17.5	0
5	64QAM	25	0	16.10	16.07	16.07	16.10	17.5	0
5	256QAM	1	0	16.07	16.07	16.07	16.07	17.5	0
5	256QAM	1	12	16.06	15.99	16.09	16.06	17.5	0
5	256QAM	1	24	16.07	16.05	16.09	16.07	17.5	0
5	256QAM	12	0	15.99	16.06	16.05	16.05	17.5	0
5	256QAM	12	7	16.03	16.06	16.06	16.03	17.5	0
5	256QAM	12	13	16.07	16.00	16.09	16.07	17.5	0
5	256QAM	25	0	16.10	16.07	16.02	16.02	17.5	0
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	16.02	16.04	16.07	16.02	17.5	0
1.4	QPSK	1	3	16.06	16.06	16.07	16.06	17.5	0
1.4	QPSK	1	6	16.01	16.03	16.08	16.01	17.5	0
1.4	QPSK	3	0	16.00	16.02	16.07	16.00	17.5	0
1.4	QPSK	3	1	16.06	16.00	16.04	16.04	17.5	0
1.4	QPSK	3	1	16.09	16.07	16.07	16.09	17.5	0
1.4	QPSK	6	0	16.06	16.07	16.08	16.06	17.5	0
1.4	16QAM	1	0	16.07	16.00	16.06	16.07	17.5	0
1.4	16QAM	1	3	16.07	16.00	16.06	16.07	17.5	0

Band 38 Ant 1 Other PA DS17												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
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	17.07	17.11	17.08						
20	QPSK	50	24	17.05	17.06	17.04						
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	17.05	17.04						
20	64QAM	1	0	17.03	17.08	17.07						
20	64QAM	1	49	17.08	17.04	17.10	19	0				
20	64QAM	1	99	17.07	17.08	17.08						
20	64QAM	50	0	17.11	17.10	17.06						
20	64QAM	50	24	17.08	17.06	17.08	19	0				
20	64QAM	50	50	17.10	17.06	17.06						
20	64QAM	100	0	17.10	17.05	17.06						
20	256QAM	1	0	17.08	17.10	17.04						
20	256QAM	1	49	17.06	17.07	17.09	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	17.09	17.07	17.07						
20	256QAM	100	0	17.08	17.09	17.08						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.03	17.10	17.03						
15	QPSK	1	37	17.09	17.10	17.03	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	17.08	17.06	17.05						
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	17.06	17.06	17.05						
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	64QAM	1	0	17.07	17.04	17.06						
15	64QAM	1	37	17.05	17.06	17.07	19	0				
15	64QAM	1	74	17.09	17.06	17.06						
15	64QAM	36	0	17.04	17.09	17.06						
15	64QAM	36	20	17.03	17.04	17.05	19	0				
15	64QAM	36	39	17.11	17.10	17.05						
15	64QAM	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	17.06	17.06	17.06						
15	256QAM	36	0	17.05	17.09	17.03						
15	256QAM	36	20	17.05	17.07	17.10	19	0				
15	256QAM	36	39	17.04	17.10	17.07						
15	256QAM	75	0	17.05	17.06	17.08						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.03	17.09	17.04						
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	17.06	17.04						
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	17.06	17.10	19	0				
10	16QAM	25	25	17.10	17.04	17.11						
10	16QAM	50	0	17.04	17.09	17.06						
10	64QAM	1	0	17.09	17.08	17.09						
10	64QAM	1	25	17.05	17.03	17.08	19	0				
10	64QAM	1	49	17.04	17.05	17.09						
10	64QAM	25	0	17.08	17.05	17.08						
10	64QAM	25	12	17.04	17.06	17.04	19	0				
10	64QAM	25	25	17.04	17.06	17.07						
10	64QAM	50	0	17.10	17.10	17.10						
10	256QAM	1	0	17.09	17.11	17.07						
10	256QAM	1	25	17.03	17.10	17.06	19	0				
10	256QAM	1	49	17.09	17.04	17.05						
10	256QAM	25	0	17.06	17.07	17.03						
10	256QAM	25	12	17.04	17.08	17.06	19	0				
10	256QAM	25	25	17.06	17.10	17.09						
10	256QAM	50	0	17.03	17.06	17.04						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.09	17.07	17.10						
5	QPSK	1	12	17.08	17.10	17.06	19	0				
5	QPSK	1	24	17.04	17.09	17.09						
5	QPSK	12	0	17.07	17.08	17.06						
5	QPSK	12	0	17.06	17.05	17.04						
5	QPSK	12	7	17.10	17.09	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	17.11	17.08	19	0				
5	16QAM	1	24	17.06	17.09	17.08						
5	16QAM	12	0	17.11	17.04	17.07						
5	16QAM	12	7	17.11	17.05	17.07	19	0				
5	16QAM	12	13	17.07	17.10	17.09						
5	64QAM	1	0	17.03	17.07	17.11						
5	64QAM	1	0	17.07	17.05	17.10						
5	64QAM	1	12	17.08	17.11	17.10	19	0				
5	64QAM	1	24	17.08	17.08	17.06						
5	64QAM	12	0	17.03	17.07	17.11	19	0				
5	64QAM	12	13	17.10	17.03	17.08						
5	64QAM	25	0	17.04	17.06	17.09						
5	256QAM	1	0	17.06	17.06	17.06						
5	256QAM	1	12	17.04	17.03	17.10	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	17.04	17.05	17.08	19	0				
5	256QAM	12	13	17.06	17.10	17.05						
5	256QAM	25	0	17.05	17.10	17.04						

Band 41 Ant 1 Ant 1 Other PA DS17												
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	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				39750	40185	25455	40155	41490				
20	QPSK	1	0	17.07	17.06	2590	2635	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	17.06	17.06	17.03	17.05				
20	QPSK	50	24	17.02	17.02	17.07	17.04	17.06				
20	QPSK	50	50	17.07	17.06	17.01	17.07	17.01	19	0		
20	16QAM	100	0	17.04	17.03	17.06	17.02	17.03				
20	16QAM	1	0	17.04	17.01	17.01	17.04	17.05				
20	16QAM	1	49	17.01	17.07	17.02	17.00	17.06	19	0		
20	16QAM	1	99	17.01	17.07	17.06	17.06	17.06				
20	16QAM	50	24	17.02	17.01	17.06	17.02	17.04				
20	16QAM	50	50	17.00	17.05	17.01	17.05	17.03	19			
20	16QAM	100	0	17.03	17.01	17.01	17.07	17.01				
20	16QAM	1	0	17.04	17.05	17.06	17.07	17.03				
20	16QAM	1	49	17.05	17.08	17.07	17.06	17.01				
20	16QAM	1	99	17.07	17.05	17.03	17.05	17.01				
20	16QAM	50	0	17.06	17.05	17.04	17.00	17.04				
20	16QAM	50	24	17.02	17.01	17.06	17.02	17.04				
20	16QAM	50	50	17.07	17.07	17.06	17.07	17.06	19			
20	16QAM	100	0	17.06	17.08	17.03	17.07	17.02				
20	256QAM	1	0	17.01	17.08	17.05	17.01	17.07				
20	256QAM	1	49	17.02	17.05	17.02	17.04	17.01	19	0		
20	256QAM	1	99	17.06	17.06	17.06	17.06	17.06				
20	256QAM	50	0	17.02	17.07	17.02	17.05	17.01				
20	256QAM	50	24	17.06	17.06	17.05	17.01	17.07				
20	256QAM	50	50	17.05	17.06	17.07	17.02	17.04	19	0		
20	256QAM	100	0	17.00	17.06	17.02	17.03	17.02				
Frequency (MHz)				25055	25485	26935	26378	26925	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	17.05	17.07	17.03	17.07	17.02				
15	QPSK	1	37	17.08	17.01	17.04	17.06	17.04	19	0		
15	QPSK	1	74	17.03	17.04	17.06	17.01	17.06				
15	QPSK	36	0	17.01	17.06	17.01	17.06	17.03				
15	QPSK	36	20	17.00	17.05	17.02	17.06	17.03				
15	QPSK	36	39	17.05	17.05	17.00	17.04	17.06	19	0		
15	QPSK	75	0	17.00	17.08	17.07	17.01	17.06				
15	16QAM	1	0	17.01	17.01	17.06	17.01	17.06				
15	16QAM	1	37	17.06	17.05	17.01	17.03	17.00	19	0		
15	16QAM	1	74	17.02	17.08	17.06	17.00	17.06				
15	16QAM	36	0	17.03	17.07	17.07	17.08	17.06				
15	16QAM	36	20	17.01	17.05	17.01	17.06	17.03	19	0		
15	16QAM	36	39	17.05	17.06	17.07	17.05	17.04				
15	16QAM	75	0	17.07	17.05	17.02	17.01	17.06	19	0		
15	64QAM	1	0	17.07	17.04	17.07	17.07	17.05				
15	64QAM	1	37	17.04	17.03	17.04	17.05	17.02	19	0		
15	64QAM	1	74	17.08	17.02	17.06	17.01	17.06				
15	64QAM	36	0	17.02	17.06	17.02	17.05	17.04				
15	64QAM	36	20	17.01	17.04	17.01	17.05	17.05				
15	64QAM	36	39	17.05	17.02	17.06	17.03	17.05				
15	64QAM	75	0	17.06	17.06	17.05	17.03	17.07	19	0		
15	256QAM	1	0	17.00	17.01	17.06	17.01	17.06				
15	256QAM	1	37	17.07	17.03	17.07	17.04	17.06	19	0		
15	256QAM	1	74	17.02	17.08	17.04	17.01	17.06				
15	256QAM	36	0	17.01	17.01	17.03	17.02	17.01				
15	256QAM	36	20	17.06	17.00	17.06	17.01	17.06	19	0		
15	256QAM	36	39	17.00	17.06	17.04	17.04	17.08				
15	256QAM	75	0	17.04	17.03	17.07	17.07	17.03				
Channel				39700	40180	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25015	25475	25935	26388	26975				
10	QPSK	1	0	17.06	17.01	17.01	17.06	17.05	19	0		
10	QPSK	1	25	17.01	17.01	17.04	17.06	17.07				
10	QPSK	1	49	17.03	17.03	17.07	17.04	17.05				
10	QPSK	25	0	17.00	17.04	17.02	17.07	17.07				
10	QPSK	25	12	17.04	17.07	17.06	17.06	17.08	19	0		
10	QPSK	25	25	17.06	17.02	17.07	17.01	17.07				
10	QPSK	50	0	17.06	17.05	17.07	17.05	17.04				
10	16QAM	1	0	17.06	17.02	17.04	17.07	17.00				
10	16QAM	1	25	17.00	17.06	17.04	17.01	17.00	19	0		
10	16QAM	1	49	17.02	17.06	17.06	17.06	17.06				
10	16QAM	25	0	17.01	17.04	17.05	17.07	17.00				
10	16QAM	25	12	17.05	17.05	17.03	17.07	17.04				
10	16QAM	25	25	17.01	17.05	17.04	17.04	17.08	19	0		
10	16QAM	50	0	17.01	17.02	17.01	17.07	17.06				
10	64QAM	1	0	17.01	17.04	17.08	17.05	17.04				
10	64QAM	1	25	17.01	17.04	17.04	17.08	17.05	19	0		
10	64QAM	1	49	17.00	17.04	17.04	17.08	17.05				
10	64QAM	25	0	17.07	17.02	17.05	17.05	17.04				
10	64QAM	25	12	17.07	17.06	17.06	17.01	17.07	19	0		
10	64QAM	25	25	17.07	17.05	17.01	17.04	17.06				
10	64QAM	50	0	17.07	17.04	17.05	17.04	17.00				
10	256QAM	1	0	17.03	17.04	17.06	17.03	17.07				
10	256QAM	1	25	17.07	17.01	17.07	17.06	17.01	19	0		
10	256QAM	1	49	17.06	17.05	17.06	17.06	17.06				
10	256QAM	25	0	17.00	17.02	17.06	17.01	17.04				
10	256QAM	25	12	17.00	17.02	17.01	17.02	17.03	19	0		
10	256QAM	25	25	17.04	17.01	17.06	17.01	17.07				
10	256QAM	50	0	17.07	17.07	17.02	17.02	17.01				
Channel				25015	25475	25935	26430	26975	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	17.05	17.07	17.07	17.01	17.06				
5	QPSK	1	12	17.05	17.06	17.02	17.08	17.02	19	0		
5	QPSK	1	24	17.02	17.04	17.06	17.01	17.06				
5	QPSK	12	0	17.06	17.02	17.06	17.01	17.01				
5	QPSK	12	7	17.02	17.02	17.01	17.06	17.03				
5	QPSK	12	13	17.08	17.07	17.07	17.05	17.05				
5	QPSK	25	0	17.01	17.04	17.05	17.01	17.04	19	0		
5	16QAM	1	0	17.05	17.05	17.06	17.01	17.02				
5	16QAM	1	12	17.04	17.06	17.06	17.04	17.02				
5	16QAM	1	24	17.00	17.02	17.06	17.05	17.05				
5	16QAM	12	0	17.06	17.02	17.08	17.00	17.04	19	0		
5	16QAM	12	7	17.00	17.02	17.06	17.00	17.06				
5	16QAM	12	13	17.05	17.02	17.04	17.05	17.08				
5	16QAM	25	0	17.04	17.08	17.07	17.00	17.01				
5	64QAM	1	0	17.06	17.05	17.04	17.06	17.07	19	0		
5	64QAM	1	12	17.07	17.08	17.07	17.03	17.07				
5	64QAM	1	24	17.05	17.01	17.01	17.01	17.01				
5	64QAM	12	0	17.05	17.07	17.01	17.03	17.08				
5	64QAM	12	7	17.07	17.08	17.04	17.01	17.00				
5	64QAM	12	13	17.06	17.07	17.00	17.00	17.07				
5	256QAM	1	0	17.04	17.01	17.05	17.04	17.03	19	0		
5	256QAM	1	12	17.05	17.05	17.05	17.01	17.01				
5	256QAM	1	12	17.05	17.05	17.04	17.05	17.04				
5	256QAM	1	24	17.07	17.03	17.03	17.04	17.07	19	0		
5	256QAM	12	0	17.04	17.04	17.04	17.04	17.08				
5	256QAM	12	7	17.00	17.02	17.06	17.01	17.01				
5	256QAM	12	13	17.00	17.02	17.05	17.02	17.03	19	0		
5	256QAM	25	0	17.08	17.01	17.01	17.04	17.04				

UL CA power

Full Power&DS12

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

Full Power&DS12

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

Full Power

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

Full Power

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

Full Power&DS12

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

Full Power&DS12

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

Full Power&DS16

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

Full Power&DS13&DS16

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

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&DSI3&DSI6

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

DSI2

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

DSI2

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

DSI2

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

DSI2

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
42590	42788	QPSK	1	99	1	0	19.54	21.00
42990	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
42590	42788	QPSK	1	99	1	0	19.34	20.70
42990	42792	QPSK	1	0	1	99	19.33	20.70

DSI6

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

DSI6

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

DSI6

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

DSI6

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

DSI6

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

DSI6

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

DSI6

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

DSI6

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

DSI6

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

DSI6

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

DSI6

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

2CA DL																
CA List	PCC								SCC					Power		
	LTE	BW	BW	UL		UL#	UL		LTE	BW	DL		DL Antenna Configuration		Without CA	
	Band	Ant	(MHz)	Freq.	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	(MHz)	Freq.	Channel	Tx. Power (dBm)	Tx. Power (dBm)	
CA_2A-26A	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 26	15M	876.5	8865	22.42	22.96	
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 26	15M	876.5	8865	22.42	22.94	
	Band 26	Ant 0	15M	831.5	26865	QPSK	1	0		Band 2	20M	1960	900	22.34	22.49	
	Band 26	Ant 1	15M	831.5	26865	QPSK	1	0		Band 2	20M	1960	900	22.34	22.94	
CA_2C	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	20M	1979.8	1098	22.36	22.96	
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	20M	1979.8	1098	22.42	22.94	
	Band 38	Ant 2	20M	2580	37850	QPSK	1	0	4x4MMMO	Band 38	20M	2599.8	38048	22.56	22.67	
	Band 38	Ant 1	20M	2580	37850	QPSK	1	0	4x4MMMO	Band 38	20M	2599.8	38048	22.84	22.95	
CA_38C	Band 38	Ant 0	20M	2580	37850	QPSK	1	0	4x4MMMO	Band 38	20M	2599.8	38048	22.33	22.52	
	Band 38	Ant 3	20M	2580	37850	QPSK	1	0	4x4MMMO	Band 38	20M	2599.8	38048	21.38	21.52	
	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 42	20M	3500	42590	22.58	22.71	
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 42	20M	3500	42590	22.56	22.77	
CA_41A-42A	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 42	20M	3500	42590	22.40	22.53	
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 42	20M	3500	42590	21.38	21.54	
	Band 42	Ant 7	20M	3500	42590	QPSK	1	0	4x4MMMO	Band 41	20M	2593	40620	22.56	22.75	
	Band 42	Ant 7	20M	3500	42590	QPSK	1	0	4x4MMMO	Band 42	5M	3547.5	43065	22.60	22.75	
CA_66B	Band 66	Ant 2	15M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2164.3	66979	22.44	22.54	
	Band 66	Ant 1	15M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2164.3	66979	22.41	22.52	
CA_66C	Band 66	Ant 2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.8	66984	22.35	22.54	
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.8	66984	22.33	22.52	
CA_7A-7A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 42	20M	3500	42590	22.48	22.65	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 42	20M	3500	42590	22.96	23.15	
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 42	20M	3500	42590	22.47	22.59	
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 42	20M	3500	42590	21.52	21.63	
CA_7B	Band 42	Ant 7	20M	3500	42590	QPSK	1	0	4x4MMMO	Band 7	20M	2655	3100	22.61	22.75	
	Band 7	Ant 2	15M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	5M	2544.3	3193	22.53	22.65	
	Band 7	Ant 1	15M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	5M	2544.3	3193	23.03	23.15	
	Band 7	Ant 0	15M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	5M	2544.3	3193	22.46	22.59	
CA_7C	Band 7	Ant 3	15M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	5M	2544.3	3193	21.53	21.63	
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	20M	2554.8	3298	22.52	22.65	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	20M	2554.8	3298	22.98	23.15	
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	20M	2554.8	3298	22.39	22.59	
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	20M	2554.8	3298	21.51	21.63	



3CA DL

3CA List	PCC									SCC1				SCC2				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq (MHz)	Channel		Band	(MHz)	Freq (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_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	22.48
	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 28	15M	876.5	8865		22.56	22.71
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 28	15M	876.5	8865		22.59	22.77
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 28	15M	876.5	8865		22.34	22.53
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		21.39	21.54
	Band 2	Ant 2	20M	1860	18900	QPSK	1	0	4xMIMO	Band 2	SA	1987.5	1175	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.40	22.56
	Band 2	Ant 1	20M	1860	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	23.15
CA_2A-4A-7A	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
	Band 2	Ant 2	20M	1860	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	1860	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 1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.39	22.56
CA_2A-5A-7A	Band 4	Ant 0	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 1	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 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	23.04	23.15
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.39	22.59
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	21.46	21.63
CA_2A-7A-38A	Band 2	Ant 2	20M	1860	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4xMIMO	22.37	22.56
	Band 2	Ant 1	20M	1860	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4xMIMO	22.34	22.54
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		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		Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.36	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		22.55	22.65
CA_2A-7A-7A	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525		23.04	23.15
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525		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		21.49	21.63
	Band 2	Ant 2	20M	1860	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	1860	18900	QPSK	1	0	4xMIMO	Band 38	20M	2599.8	38048	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.40	22.54
CA_2A-7A-66A	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	23.15
	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
	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	2580	37850	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.49	22.67
CA_4A-4A-7A	Band 38	Ant 1	20M	2580	37850	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.83	22.95
	Band 38	Ant 0	20M	2580	37850	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	2580	37850	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	1860	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	1860	18900	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	SA	2687.5	3425	4xMIMO	22.34	22.54
CA_7A-26A-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	23.15
	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	1860	18900	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.36	22.56
CA_41A-41A-41A	Band 2	Ant 1	20M	1860	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
	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	23.15
	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
CA_41A-41A-41A	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
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	22.47	22.65
CA_41A-41A-41A	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	23.02	23.15
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	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	20M	2132.5	2175	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	21.50	21.63
	Band 2	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		Band 66	20M	2155	66886	4xMIMO	22.43	22.65
	Band 2	Ant 1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		Band 66	20M	2155	66886	4xMIMO	22.99	23.15
CA_41A-41A-41A	Band 7</																				



4CA DL

Configure	PCC										SCC1				SCC2				SCC3				Power				
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq	Channel		RB	Offset	Band	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Tx. Power	Tx. Power					
CA_2A-2A-4A-5A	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	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	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.36	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 5	Ant 1	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		22.37	22.52
	Band 2	Ant 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		22.39	22.56
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	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	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		22.43	22.56
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		22.32	22.51
CA_2A-7C-38A	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
	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		22.93	23.15
	Band 7	Ant 0	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		22.38	22.59
	Band 7	Ant 3	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 2	Ant 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO		22.41	22.56
CA_2A-7C-38A	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO		22.41	22.54
	Band 7	Ant 2	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		22.51	22.65
	Band 7	Ant 1	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		23.00	23.15
	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		22.36	22.59
	Band 7	Ant 3	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		21.46	21.63
CA_41A-41C	Band 38	Ant 2	20M	2590	37850	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		22.53	22.67
	Band 38	Ant 1	20M	2590	37850	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		22.79	22.95
	Band 38	Ant 0	20M	2590	37850	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		22.34	22.52
	Band 38	Ant 3	20M	2590	37850	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		21.31	21.52
	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2087.5	41565	4x4MIMO	Band 41	20M	2596	39750	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO		22.51	22.71
CA_41A-41D	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2087.5	41565	4x4MIMO	Band 41	20M	2596	39750	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO		22.63	22.77
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2087.5	41565	4x4MIMO	Band 41	20M	2596	39750	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO		22.34	22.53
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2087.5	41565	4x4MIMO	Band 41	20M	2596	39750	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO		21.32	21.54
	Band 41	Ant 2	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2640.4	41094	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		22.50	22.71
	Band 41	Ant 1	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2640.4	41094	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		22.57	22.77
CA_41C-41C	Band 41	Ant 0	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2640.4	41094	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		22.32	22.53
	Band 41	Ant 3	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2640.4	41094	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		21.36	21.54
	Band 41	Ant 2	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		22.51	22.71
	Band 41	Ant 1	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		22.61	22.77
	Band 41	Ant 0	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		22.41	22.53
CA_41C-42C	Band 41	Ant 3	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		21.36	21.54
	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO		22.49	22.71
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO		22.62	22.77
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO		22.41	22.53
	Band 42	Ant 7	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		22.54	22.75
CA_41E	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO		22.58	22.71
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO		22.60	22.77
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO		22.33	22.53
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO		21.43	21.54
	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		22.60	22.75
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	66886	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	66886	4x4MIMO	Band 66	5M	2197.5	67311</				



5CA DL

Configure	PCC									SCC1					SCC2					SCC3					SCC4					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB	Offset	Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)
CA_5A-7C-66A-66A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MMMO	Band 7	20M	2554.8	3298	4x4MMMO	Band 66	20M	2145	66786	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	22.48	22.63
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MMMO	Band 7	20M	2554.8	3298	4x4MMMO	Band 66	20M	2145	66786	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	22.36	22.52
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	20M	2554.8	3298	4x4MMMO	Band 66	20M	2145	66786	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		22.54	22.66
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	20M	2554.8	3298	4x4MMMO	Band 66	20M	2145	66786	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		22.97	23.15
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	20M	2554.8	3298	4x4MMMO	Band 66	20M	2145	66786	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		22.43	22.59
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4x4MMMO	Band 7	20M	2554.8	3298	4x4MMMO	Band 66	20M	2145	66786	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		21.43	21.63
	Band 66	Ant 2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMMO	Band 7	20M	2554.8	3298	4x4MMMO	22.38	22.54
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMMO	Band 7	20M	2554.8	3298	4x4MMMO	22.41	22.52
	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2508	39750	4x4MMMO	Band 41	20M	2525.8	39948	4x4MMMO	Band 41	20M	2545.6	40146	4x4MMMO	22.51	22.71
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2508	39750	4x4MMMO	Band 41	20M	2525.8	39948	4x4MMMO	Band 41	20M	2545.6	40146	4x4MMMO	22.58	22.77
CA_41C-41D	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2508	39750	4x4MMMO	Band 41	20M	2525.8	39948	4x4MMMO	Band 41	20M	2545.6	40146	4x4MMMO	22.35	22.53
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2508	39750	4x4MMMO	Band 41	20M	2525.8	39948	4x4MMMO	Band 41	20M	2545.6	40146	4x4MMMO	21.4	21.54
	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2632.6	41016	4x4MMMO	Band 41	20M	2652.4	41214	4x4MMMO	Band 41	20M	2672.2	41412	4x4MMMO	22.61	22.71
CA_41F	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2632.6	41016	4x4MMMO	Band 41	20M	2652.4	41214	4x4MMMO	Band 41	20M	2672.2	41412	4x4MMMO	22.63	22.77
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2632.6	41016	4x4MMMO	Band 41	20M	2652.4	41214	4x4MMMO	Band 41	20M	2672.2	41412	4x4MMMO	22.34	22.53
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2632.6	41016	4x4MMMO	Band 41	20M	2652.4	41214	4x4MMMO	Band 41	20M	2672.2	41412	4x4MMMO	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 limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.53	22.66	22.51	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	22.55	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 limit (dB)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.51	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dB)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
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	22.56	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	21.46	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 limit (dB)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dB)	MPR	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.52	22.44	22.34	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dB)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.49	22.42	22.45	24.0	0.0	

n38 Ant 0 Default									
BW [MHz]	Modulat on	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	23.5	0.5	
40	1/2 BPSK	50	0	22.20	22.15	22.26			
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			
40	1/2 BPSK	100	0	22.27	22.23	22.26	23.5	0.5	
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			
40	QPSK	50	56	21.68	21.57	21.75	23.0	1.0	
40	QPSK	100	0	21.76	21.81	21.80			
40	16QAM	1	1	21.72	21.74	21.69	23.0	1.0	
40	64QAM	1	1	20.14	20.05	20.25			
40	256QAM	1	1	18.25	18.08	18.24	19.5	4.5	
Channel				517002	519000	520998			
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			
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)		
25	QPSK	1	1	22.70	22.67	22.56	24.0	0.0	
Channel				516000	519000	522000			
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			
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)		
15	QPSK	1	1	22.69	22.65	22.53	24.0	0.0	
Channel				515004	519000	522996			
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 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	23.5	0.5	
100	1/2 BPSK	135	0	22.18	22.09	22.20			
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			
100	1/2 BPSK	270	0	22.29	22.20	22.25	23.5	0.5	
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			
100	QPSK	135	138	21.64	21.56	21.79	23.0	1.0	
100	QPSK	270	0	21.81	21.82	21.80			
100	16QAM	1	1	21.77	21.75	21.75	23.0	1.0	
100	64QAM	1	1	20.22	20.09	20.19			
100	256QAM	1	1	18.21	18.22	18.25	19.5	4.5	
Channel				508200	518598	529996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.65	22.74	22.65	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	22.72	22.65	22.55	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	22.69	22.62	22.53	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.65	22.67	22.60	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.62	22.75	22.59	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.67	22.75	22.59	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.66	22.71	22.66	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	22.67	22.67	22.65	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.73	22.73	22.66	24.0	0.0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.73	22.69	22.59	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2686			
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	22.55	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		
40	1/2 BPSK	216	0	22.15	22.17	22.14	23.5	0.5
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		
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				375300	376000	376500	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)				1865	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)				1862.5	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)				1860	1880	1900		
20	QPSK	1	1	22.63	22.61	22.58	24.0	0.0
Channel				371500	376000	380500	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)				1855	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)				1852.5	1880	1897.5		
5	QPSK	1	1	22.68	22.58	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	21.88	21.88	21.99	23.5	0.5
20	1/2 BPSK	50	26	22.26	22.29	22.39	24.0	0.0
20	1/2 BPSK	50	56	21.83	21.90	21.94		
20	1/2 BPSK	100	0	22.02	21.89	21.98	23.5	0.5
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	26	22.39	22.47	22.34	24.0	0.0
20	QPSK	50	56	21.45	21.34	21.41		
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				163300	167300	163300	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)				820	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 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		
40	1/2 BPSK	216	0	22.24	22.11	22.16	23.5	0.5
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		
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	22.57	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	166300	167800	24.0	0.0		
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	23.5	0.5		
20	1/2 BPSK	1	104	22.37	22.45	22.37				
20	1/2 BPSK	50	0	21.89	21.91	22.07				
20	1/2 BPSK	50	28	22.43	22.33	22.46	23.5	0.5		
20	1/2 BPSK	50	56	21.88	21.97	22.06				
20	1/2 BPSK	100	0	22.01	22.06	21.94				
20	QPSK	1	1	22.47	22.50	22.44	24.0	0.0		
20	QPSK	1	53	22.43	22.46	22.38				
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				
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	21.52	21.50	21.47				
20	64QAM	1	1	20.27	20.15	20.09				
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164800	166300	168800				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0		
Channel				163800	166300	168800				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	1	22.46	22.44	22.33	24.0	0.0		
Channel				163300	166300	169300				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		
Channel										
Frequency (MHz)										

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	24.0	0.0		
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	23.5	0.5		
40	1/2 BPSK	1	214	22.61	22.61	22.52				
40	1/2 BPSK	108	0	21.98	22.10	22.22				
40	1/2 BPSK	108	54	22.64	22.44	22.57	23.5	0.5		
40	1/2 BPSK	108	108	21.97	22.09	22.15				
40	1/2 BPSK	216	0	22.11	22.20	22.07				
40	QPSK	1	1	22.65	22.69	22.63	24.0	0.0		
40	QPSK	1	108	22.66	22.60	22.53				
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				
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				
40	64QAM	1	1	20.40	20.25	20.22				
40	256QAM	1	1	18.36	18.27	18.34	19.5	4.5		
Channel				345000	349000	352000				
Frequency (MHz)				1727.5	1745	1762.5				
35	QPSK	1	1	22.39	22.50	22.47	24.0	0.0		
Channel				345000	349000	353000				
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	22.43	22.57	22.40	24.0	0.0		
Channel				344500	349000	353500				
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	22.39	22.47	22.42	24.0	0.0		
Channel				344000	349000	354000				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	22.38	22.45	22.42	24.0	0.0		
Channel				343500	349000	354500				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	22.43	22.45	22.35	24.0	0.0		
Channel				343000	349000	355000				
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	22.44	22.48	22.45	24.0	0.0		
Channel				342500	349000	355500				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	22.46	22.45	22.45	24.0	0.0		
Channel										
Frequency (MHz)										

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	136100	137600	24.0	0.0		
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	23.5	0.5		
20	1/2 BPSK	1	104	22.43	22.48	22.37				
20	1/2 BPSK	50	0	21.77	21.95	22.05				
20	1/2 BPSK	50	28	22.37	22.45	22.47	23.5	0.5		
20	1/2 BPSK	50	56	21.79	21.83	21.97				
20	1/2 BPSK	100	0	21.98	21.93	21.85				
20	QPSK	1	1	22.46	22.54	22.49	24.0	0.0		
20	QPSK	1	53	22.42	22.35	22.39				
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	22.48	22.44				
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				
20	64QAM	1	1	20.21	20.08	20.02				
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	136100	138100				
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0		
Channel				133600	136100	138600				
Frequency (MHz)				668	680.5	693				
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	136100	139100				
Frequency (MHz)				665.5	680.5	695.5				
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		
Channel										
Frequency (MHz)										

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	21.62	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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.72	22.78	22.76	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2632.52	2635	2637.48			
25	QPSK	1	1	22.64	22.72	22.76	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.72	22.72	22.70	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.69	22.68	22.64	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
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	22.75	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	21.50	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	21.68			
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				532300	518598	528996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.72	22.78	22.74	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	22.62	22.73	22.75	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.52	22.54	22.47	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.62	22.52	22.64	24.0	0.0	
Channel				504204	518598	532996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.62	22.69	22.65	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.60	22.76	22.71	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.65	22.79	22.65	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	22.66	22.81	22.75	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.71	22.82	22.63	24.0	0.0	
Channel				500700	518598	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.71	22.72	22.68	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
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	21.55	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				375000	376000	376500	Tune-up limit (dB)	MPR		
35	QPSK	1	1	22.44	22.46	22.45	24.0	0.0		
Channel				373000	376000	379000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.39	22.39	22.48	24.0	0.0		
Channel				372500	376000	379500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	1892.5	1880	1897.5	limit (dB)			
Channel				372000	376000	380000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	1860	1880	1900	limit (dB)			
Channel				371500	376000	380500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.43	22.42	22.47	24.0	0.0		
Channel				371000	376000	381000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	1855	1880	1905	limit (dB)			
Channel				370500	376000	381500	Tune-up limit (dB)	MPR		
5	QPSK	1	1	22.38	22.44	22.45	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	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	510000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.45	22.48	22.40	24.0	0.0		
Channel				502500	507000	511500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	22.45	22.51	22.46	24.0	0.0		
Channel				502000	507000	512000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	22.47	22.42	22.45	24.0	0.0		
Channel				501500	507000	512500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.48	22.49	22.51	24.0	0.0		
Channel				501000	507000	513000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	22.42	22.37	22.48	24.0	0.0		
Channel				500500	507000	513500	Tune-up limit (dB)	MPR		
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				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	22.86	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 limit (dB)	MPR		
35	QPSK	1	1	22.46	22.54	22.51	24.0	0.0		
Channel				345000	349000	353000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.48	22.46	22.56	24.0	0.0		
Channel				344500	349000	353500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	1722.5	1745	1767.5	limit (dB)			
Channel				344000	349000	354000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	1720	1745	1770	limit (dB)			
Channel				343500	349000	354500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.43	22.52	22.44	24.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	1717.5	1745	1772.5	limit (dB)			
Channel				342500	349000	355500	Tune-up limit (dB)	MPR		
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			
40	1/2 BPSK	1	53	22.43	22.59	22.54	24.0	0.0	
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
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			
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			
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			
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			
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			
100	1/2 BPSK	1	137	22.39	22.53	22.52	24.0	0.0	
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	21.88	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				506200	518598	526996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
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			
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	2655			
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)				2526	2592.99	2659.98			
60	QPSK	1	1	22.45	22.45	22.48	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
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			
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			
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			
25	QPSK	1	1	22.54	22.41	22.44	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.51	22.53	22.58	24.0	0.0	
Channel				500700	518598	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
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			
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			
40	1/2 BPSK	1	53	22.49	22.61	22.57	24.0	0.0	
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			
40	1/2 BPSK	100	0	22.06	21.98	21.98	23.5	0.5	
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.45	22.45	22.55	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2632.52	2635	2637.48			
25	QPSK	1	1	22.46	22.45	22.59	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.43	22.50	22.44	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.57	22.56	22.54	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
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			
100	1/2 BPSK	1	137	22.45	22.64	22.55	24.0	0.0	
100	1/2 BPSK	1	271	22.58	22.60	22.51			
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			
100	1/2 BPSK	270	0	22.09	22.03	21.98	23.5	0.5	
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			
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				508200	518598	526996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.61	22.60	22.56	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	22.51	22.52	22.60	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	22.43	22.57	22.63	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.61	22.55	22.48	24.0	0.0	
Channel				504204	518598	532996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.53	22.48	22.56	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.58	22.57	22.62	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.65	22.51	22.56	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	22.57	22.48	22.57	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.59	22.52	22.48	24.0	0.0	
Channel				500700	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.54	22.58	22.57	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2686			
10	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	656000	662000		
	Frequency (MHz)			3750	3840	3930		
100	1/2 BPSK	1	1	22.57	22.44	22.44		
100	1/2 BPSK	1	137	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	23.51	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	22.59	22.54	24.0	0.0
100	QPSK	135	138	21.40	21.43	21.55	23.0	1.0
100	QPSK	270	0	21.65	21.70	21.59		
100	16QAM	1	1	21.59	21.45	21.38	23.0	1.0
100	64QAM	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	22.44	22.47	22.43	24.0	0.0
	Channel			649334	656000	662068	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			647500	656000	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	656000	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	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

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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	25.52	23.14	24.89		
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	64QAM	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	662068	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	24.63	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	24.65	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			647500	656000	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	656000	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	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

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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			22.61		
100	1/2 BPSK	1	137			22.76	24.0	0.0
100	1/2 BPSK	1	271			22.86		
100	1/2 BPSK	135	0			22.09	23.5	0.5
100	1/2 BPSK	135	69			22.98	24.0	0.0
100	1/2 BPSK	135	138			22.01	23.5	0.5
100	1/2 BPSK	270	0			22.20		
100	QPSK	1	1			22.79		
100	QPSK	1	137			22.54	24.0	0.0
100	QPSK	1	271			22.49		
100	QPSK	135	0			21.80	23.0	1.0
100	QPSK	135	69			22.75	24.0	0.0
100	QPSK	135	138			21.58	23.0	1.0
100	QPSK	270	0			21.74		
100	16QAM	1	1			21.55	23.0	1.0
100	64QAM	1	1			20.29	21.5	2.5
100	256QAM	1	1			18.42	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
	Frequency (MHz)			3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.72	22.61	22.70	24.0	0.0
	Channel			648334	650000	651668	Tune-up	MPR
	Frequency (MHz)			3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.65	22.71	22.62	24.0	0.0
	Channel			648000	650000	652000	Tune-up	MPR
	Frequency (MHz)			3720	3750	3780	limit	(dB)
40	QPSK	1	1	22.59	22.61	22.63	24.0	0.0
	Channel			647668	650000	652334	Tune-up	MPR
	Frequency (MHz)			3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.71	22.62	22.60	24.0	0.0
	Channel			647500	650000	652500	Tune-up	MPR
	Frequency (MHz)			3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.68	22.64	22.61	24.0	0.0
	Channel			647334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	22.67	22.64	22.65	24.0	0.0
	Channel			647168	650000	652834	Tune-up	MPR
	Frequency (MHz)			3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.66	22.63	22.72	24.0	0.0
	Channel			647000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.61	22.60	22.59	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	1/2 BPSK	1	1		25.65			26.5	0.0
100	1/2 BPSK	1	137		25.78				
100	1/2 BPSK	1	271		25.72				
100	1/2 BPSK	135	0		25.20		26.0	0.5	
100	1/2 BPSK	135	69		25.72		26.5	0.0	
100	1/2 BPSK	135	138		25.08		26.0	0.5	
100	1/2 BPSK	270	0		25.20			26.5	0.0
100	QPSK	1	1		25.86				
100	QPSK	1	137		25.68				
100	QPSK	1	271		25.53			26.5	0.0
100	QPSK	135	0		24.68		25.5	1.0	
100	QPSK	135	69		25.65		26.5	0.0	
100	QPSK	135	138		24.60		25.5	1.0	
100	QPSK	270	0		24.77			25.5	1.0
100	16QAM	1	1		24.64		25.5		
100	64QAM	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)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	25.72	25.61	25.71	26.5	0.0	
Channel				640334	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	25.69	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	25.68	25.66	25.80	26.5	0.0	
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1	25.63	25.66	25.88	26.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3792.02	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	

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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)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	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		
100	1/2 BPSK	270	0	21.63	21.58	21.57	23.5	0.5
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	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	(dB)
	QPSK	1	1	22.03	22.13	22.20	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	(dB)
	QPSK	1	1	22.14	22.09	22.22	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	(dB)
	QPSK	1	1	22.12	22.19	22.12	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3725	3840	3955	limit	(dB)
	QPSK	1	1	22.15	22.16	22.15	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3720.01	3840	3955.02	limit	(dB)
	QPSK	1	1	22.15	22.10	22.13	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3715.02	3840	3965.01	limit	(dB)
	QPSK	1	1	22.16	22.06	22.23	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3710.01	3840	3970.02	limit	(dB)
	QPSK	1	1	22.17	22.07	22.21	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3707.52	3840	3972.51	limit	(dB)
	QPSK	1	1	22.11	22.14	22.10	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3705	3840	3975	limit	(dB)
	QPSK	1	1	22.22	22.17	22.13	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	656000	662000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	25.17	23.36	24.81		
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	24.81	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	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	(dB)
	QPSK	1	1	25.09	23.28	24.65	26.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	(dB)
	QPSK	1	1	25.06	23.27	24.75	26.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	(dB)
	QPSK	1	1	25.19	23.33	24.79	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3840	3950.01	limit	(dB)
	QPSK	1	1	25.17	23.34	24.78	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	(dB)
	QPSK	1	1	25.14	23.33	24.70	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720.01	3840	3960	limit	(dB)
	QPSK	1	1	25.19	23.39	24.75	26.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3840	3965.01	limit	(dB)
	QPSK	1	1	25.13	23.29	24.70	26.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3710.01	3840	3970.02	limit	(dB)
	QPSK	1	1	25.15	23.34	24.73	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3707.52	3840	3972.51	limit	(dB)
	QPSK	1	1	25.09	23.29	24.73	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3840	3975	limit	(dB)
	QPSK	1	1	25.10	23.35	24.65	26.0	0.0

Part270 n78 Ant 5 Default

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)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137	22.14			24.0	0.0
100	1/2 BPSK	1	271	22.17				
100	1/2 BPSK	135	0	21.59			23.5	0.5
100	1/2 BPSK	135	69	22.12			24.0	0.0
100	1/2 BPSK	135	138	21.57			23.5	0.5
100	1/2 BPSK	270	0	21.55				
100	QPSK	1	1	22.29				
100	QPSK	1	137	22.10			24.0	0.0
100	QPSK	1	271	22.02				
100	QPSK	135	0	21.20			23.0	1.0
100	QPSK	135	69	22.25			24.0	0.0
100	QPSK	135	138	21.14			23.0	1.0
100	QPSK	270	0	21.34				
100	16QAM	1	1	21.01			23.0	1.0
100	64QAM	1	1	19.83			21.5	2.5
100	256QAM	1	1	17.84			19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
	QPSK	1	1	22.06	22.12	22.13	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3750	3760.02	limit	(dB)
	QPSK	1	1	22.11	22.03	22.09	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	limit	(dB)
	QPSK	1	1	22.15	22.13	22.07	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	limit	(dB)
	QPSK	1	1	22.05	22.07	22.06	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3750	3775.02	limit	(dB)
	QPSK	1	1	22.04	22.07	22.09	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720	3750	3780	limit	(dB)
	QPSK	1	1	22.03	22.10	22.15	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3785.01	limit	(dB)
	QPSK	1	1	22.11	22.03	22.12	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.50	3750	3787.5	limit	(dB)
	QPSK	1	1	22.12	22.02	22.01	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3790.02	limit	(dB)
	QPSK	1	1	22.03	22.14	22.15	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3750	3792.51	limit	(dB)
	QPSK	1	1	22.13	22.10	22.14	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	limit	(dB)
	QPSK	1	1	22.11	22.12	22.05	24.0	0.0

Part270 n78 HPUE Ant 5 Default									
BW [MHz]	Modulat ion	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			26.0	0.0
100	1/2 BPSK	1	137		25.12				
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		25.5	0.5	
100	1/2 BPSK	270	0		24.53				
100	QPSK	1	1		25.31			26.0	0.0
100	QPSK	1	137		24.95				
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		25.0	1.0	
100	QPSK	270	0		24.32				
100	16QAM	1	1		24.04		25.0	1.0	
100	64QAM	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	25.23	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				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]	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)								
100	1/2 BPSK	1	1	3750	3840	3930		
				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	23.5	0.5
100	1/2 BPSK	270	0	22.09	22.04	22.05		
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	23.0	1.0
100	QPSK	270	0	21.57	21.62	21.54		
100	16QAM	1	1	21.65	21.52	21.70	23.0	1.0
100	64QAM	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		649668	656000	662334	Tune-up	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	(dB)
				22.52	22.54	22.58	24.0	0.0
		Channel		649334	656000	662668	Tune-up	MPR
Frequency (MHz)								
80	QPSK	1	1	22.49	22.68	22.59	24.0	0.0
		Channel		649000	656000	663000	Tune-up	MPR
Frequency (MHz)								
70	QPSK	1	1	22.62	22.62	22.53	24.0	0.0
		Channel		648668	656000	663334	Tune-up	MPR
Frequency (MHz)								
60	QPSK	1	1	22.59	22.83	22.52	24.0	0.0
		Channel		648334	656000	663668	Tune-up	MPR
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	(dB)
		Channel		648000	656000	664000	Tune-up	MPR
Frequency (MHz)								
40	QPSK	1	1	22.54	22.66	22.51	24.0	0.0
		Channel		647668	656000	664500	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	22.63	22.61	22.58	24.0	0.0
		Channel		647500	656000	664500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	22.56	22.60	22.49	24.0	0.0
		Channel		647334	656000	664668	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	22.54	22.66	22.47	24.0	0.0
		Channel		647168	656000	664834	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	(dB)
		Channel		647000	656000	665000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	22.56	22.54	22.53	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	656000	662000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
				25.62	25.60	25.60		
100	1/2 BPSK	1	137	25.45	25.32	25.37	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	26.5	0.5
100	1/2 BPSK	270	0	25.02	24.97	24.99		
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	26.0	1.0
100	QPSK	270	0	24.52	24.68	24.46		
100	16QAM	1	1	24.62	24.46	24.66	26.0	1.0
100	64QAM	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		649668	656000	662334	Tune-up	MPR
Frequency (MHz)								
90	QPSK	1	1	25.63	25.58	25.61	27.0	0.0
		Channel		649334	656000	662668	Tune-up	MPR
Frequency (MHz)								
80	QPSK	1	1	25.52	25.56	25.48	27.0	0.0
		Channel		649000	656000	663000	Tune-up	MPR
Frequency (MHz)								
70	QPSK	1	1	25.52	25.64	25.51	27.0	0.0
		Channel		648668	656000	663334	Tune-up	MPR
Frequency (MHz)								
60	QPSK	1	1	25.56	25.63	25.60	27.0	0.0
		Channel		648334	656000	663668	Tune-up	MPR
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	(dB)
		Channel		648000	656000	664000	Tune-up	MPR
Frequency (MHz)								
40	QPSK	1	1	25.54	25.63	25.59	27.0	0.0
		Channel		647668	656000	664500	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	25.61	25.60	25.51	27.0	0.0
		Channel		647500	656000	664500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	25.60	25.57	25.63	27.0	0.0
		Channel		647334	656000	664668	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	25.54	25.55	25.63	27.0	0.0
		Channel		647168	656000	664834	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	(dB)
		Channel		647000	656000	665000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	25.62	25.60	25.54	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	650000	650000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3750	3750		
					23.97			
100	1/2 BPSK	1	137		22.99		24.0	0.0
100	1/2 BPSK	1	271		23.03			
100	1/2 BPSK	135	0		22.49		23.5	0.5
100	1/2 BPSK	135	69		23.03		24.0	0.0
100	1/2 BPSK	135	138		22.33		23.5	0.5
100	1/2 BPSK	270	0		22.48			
100	QPSK	1	1		23.09			
100	QPSK	1	137		23.02		24.0	0.0
100	QPSK	1	271		22.82			
100	QPSK	135	0		22.05		23.0	1.0
100	QPSK	135	69		23.05		24.0	0.0
100	QPSK	135	138		22.01		23.0	1.0
100	QPSK	270	0		22.04			
100	16QAM	1	1		21.96		23.0	1.0
100	64QAM	1	1		20.69		19.5	2.5
100	256QAM	1	1		18.73		19.5	4.5
		Channel		649668	650000	650334	Tune-up	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
				22.97	22.99	22.99	24.0	0.0
		Channel		649334	650000	650668	Tune-up	MPR
Frequency (MHz)								
80	QPSK	1	1	22.96	22.90	22.97	24.0	0.0
		Channel		649000	650000	651000	Tune-up	MPR
Frequency (MHz)								
70	QPSK	1	1	22.92	22.98	22.98	24.0	0.0
		Channel		648668	650000	651334	Tune-up	MPR
Frequency (MHz)								
60	QPSK	1	1	22.94	22.96	22.91	24.0	0.0
		Channel		648334	650000	651668	Tune-up	MPR
Frequency (MHz)								
50	QPSK	1	1	22.97	22.99	22.93	24.0	0.0
		Channel		648000	650000	652000	Tune-up	MPR
Frequency (MHz)								
40	QPSK	1	1	23.03	23.00	22.98	24.0	0.0
		Channel		647668	650000	652334	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	23.03	23.01	22.98	24.0	0.0
		Channel		647500	650000	652500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	22.98	23.01	23.03	24.0	0.0
		Channel		647334	650000	652668	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	22.95	23.00	22.98	24.0	0.0
		Channel		647168	650000	652834	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	22.90	22.99	23.00	24.0	0.0
		Channel		647000	650000	653000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	22.95	23.03	22.93	24.0	0.0

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			27.0	0.0
100	1/2 BPSK	1	137		25.93				
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			27.0	0.0
100	QPSK	1	137		26.05				
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	64QAM	1	1		23.64		24.5	2.5	
100	256QAM	1	1		21.69		22.5	4.5	
Channel				649668	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				648668	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				647668	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	3792.02	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

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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	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	23.5	0.5
100	1/2 BPSK	270	0	21.98	21.98	21.92		
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	23.0	1.0
100	QPSK	270	0	21.45	21.52	21.45		
100	16QAM	1	1	21.36	21.38	21.62	23.0	1.0
100	64QAM	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	22.59	24.0	0.0
	Channel			649334	656000	662668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	22.52	22.53	22.43	24.0	0.0
	Channel			649000	656000	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)			3729.02	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	656000	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	656000	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	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	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	656000	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	656000	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	656000	662000		
	Frequency (MHz)			3750	3840	3930		
100	1/2 BPSK	1	1	25.72	25.75	25.70		
100	1/2 BPSK	1	137	25.62	25.66	25.62	27.0	0.0
100	1/2 BPSK	1	271	25.76	25.71	25.76		
100	1/2 BPSK	135	0	25.17	25.23	25.22	26.5	0.5
100	1/2 BPSK	135	69	25.74	25.67	25.71	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	25.20	25.14	25.17		
100	QPSK	1	1	25.55	25.78	25.63		
100	QPSK	1	137	25.75	25.61	25.67	27.0	0.0
100	QPSK	1	271	25.52	25.54	25.50		
100	QPSK	135	0	24.81	24.88	24.56	26.0	1.0
100	QPSK	135	69	25.69	25.75	25.65	27.0	0.0
100	QPSK	135	138	24.70	24.66	24.85	26.0	1.0
100	QPSK	270	0	24.64	24.71	24.63		
100	16QAM	1	1	24.59	24.67	24.77	26.0	1.0
100	64QAM	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	25.65	25.68	25.67	27.0	0.0
	Channel			649334	656000	662668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	25.71	25.74	25.71	27.0	0.0
	Channel			649000	656000	663000	Tune-up	MPR
	Frequency (MHz)			3735	3840	3945	limit	(dB)
70	QPSK	1	1	25.64	25.66	25.67	27.0	0.0
	Channel			648688	656000	663334	Tune-up	MPR
	Frequency (MHz)			3729.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	25.68	25.66	25.68	27.0	0.0
	Channel			648334	656000	663668	Tune-up	MPR
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	25.70	25.69	25.69	27.0	0.0
	Channel			648000	656000	664000	Tune-up	MPR
	Frequency (MHz)			3720	3840	3960	limit	(dB)
40	QPSK	1	1	25.71	25.65	25.73	27.0	0.0
	Channel			647688	656000	664334	Tune-up	MPR
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	25.61	25.63	25.74	27.0	0.0
	Channel			647500	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	25.69	25.72	25.80	27.0	0.0
	Channel			647334	656000	664668	Tune-up	MPR
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	25.63	25.66	25.69	27.0	0.0
	Channel			647168	656000	664834	Tune-up	MPR
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	25.68	25.67	25.68	27.0	0.0
	Channel			647000	656000	665000	Tune-up	MPR
	Frequency (MHz)			3705	3840	3975	limit	(dB)
10	QPSK	1	1	25.69	25.69	25.67	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				24.0	0.0
100	1/2 BPSK	135	138				23.5	0.5
100	1/2 BPSK	270	0					
100	QPSK	1	1					
100	QPSK	1	137				24.0	0.0
100	QPSK	1	271					
100	QPSK	135	0				23.0	1.0
100	QPSK	135	69				24.0	0.0
100	QPSK	135	138				23.0	1.0
100	QPSK	270	0					
100	16QAM	1	1				23.0	1.0
100	64QAM	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	22.83	22.56	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)			3729.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.32	22.34	22.28	24.0	0.0
	Channel			648334	650000	651668	Tune-up	MPR
	Frequency (MHz)			3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.33	22.25	22.25	24.0	0.0
	Channel			648000	650000	652000	Tune-up	MPR
	Frequency (MHz)			3720	3750	3780	limit	(dB)
40	QPSK	1	1	22.31	22.29	22.26	24.0	0.0
	Channel			647688	650000	652334	Tune-up	MPR
	Frequency (MHz)			3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.32	22.36	22.32	24.0	0.0
	Channel			647500	650000	652500	Tune-up	MPR
	Frequency (MHz)			3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.38	22.34	22.28	24.0	0.0
	Channel			647334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	22.30	22.31	22.32	24.0	0.0
	Channel			647168	650000	652834	Tune-up	MPR
	Frequency (MHz)			3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.26	22.39	22.32	24.0	0.0
	Channel			647000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.33	22.28	22.35	24.0	0.0

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)	
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		24.58		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		24.38		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				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				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3792.5	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	3802.02	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 DSI2

n5 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				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 limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.53	22.66	22.51	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	22.55	22.56	24.0	0.0	

n26 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				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 limit (dB)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.51	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dB)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.54	22.64	22.45	24.0	0.0	

n71 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				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	22.56	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	21.46	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 limit (dB)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dB)	MPR	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.52	22.44	22.34	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dB)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
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	23.5	0.5	
40	1/2 BPSK	50	0	22.20	22.15	22.26			
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	24.0	0.0	
40	QPSK	1	53	22.69	22.63	22.66			
40	QPSK	1	104	22.58	22.52	22.52	23.0	1.0	
40	QPSK	50	0	21.66	21.66	21.58	24.0	0.0	
40	QPSK	50	28	22.67	22.69	22.67			
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.71	22.66	22.65	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	22.70	22.67	22.56	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.72	22.65	22.53	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.69	22.65	22.53	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.69	22.71	22.52	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				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	23.5	0.5	
100	1/2 BPSK	135	0	22.18	22.09	22.20			
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	24.0	0.0	
100	QPSK	1	137	22.71	22.63	22.59			
100	QPSK	1	271	22.53	22.59	22.56	23.0	1.0	
100	QPSK	135	0	21.67	21.70	21.51	24.0	0.0	
100	QPSK	135	69	22.69	22.74	22.69			
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 limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.65	22.74	22.65	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	22.72	22.65	22.55	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	22.69	22.62	22.53	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.65	22.67	22.60	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.62	22.75	22.59	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.67	22.75	22.59	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.65	22.71	22.65	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	22.67	22.67	22.65	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.73	22.73	22.66	24.0	0.0	
Channel				500700	518598	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.73	22.69	22.59	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2686			
10	QPSK	1	1	22.60	22.70	22.52	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				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		
40	1/2 BPSK	216	0	17.09	17.14	17.01	18.5	0.0
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		
40	QPSK	216	0	17.21	17.22	17.18	18.5	0.0
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				375000	376000	376500	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	17.06	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	380500	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

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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				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		
20	1/2 BPSK	100	0	22.02	21.89	21.98	23.5	0.5
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		
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				163300	167300	163300	Tune-up limit (dB)	MPR
Frequency (MHz)				831.5	836.5	844		
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)				820	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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	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		
40	1/2 BPSK	216	0	17.51	17.62	17.46	18.6	0.0
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		
40	QPSK	216	0	17.66	17.68	17.61	18.6	0.0
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	510000	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

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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				164800	166300	167800	24.0	0.0		
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.44	22.39	22.46	24.0	0.0		
20	1/2 BPSK	1	53	22.40	22.45	22.45				
20	1/2 BPSK	1	104	22.37	22.45	22.37	23.5	0.5		
20	1/2 BPSK	50	0	21.89	21.91	22.07				
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				
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	21.52	21.50	21.47	23.0	1.0		
20	64QAM	1	1	20.27	20.15	20.09				
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164800	166300	168800				
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				
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				
Frequency (MHz)				816.5	831.5	846.5	limit (dB)			
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		
Channel										

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	20.1	0.0		
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	19.03	19.07	18.89	20.1	0.0		
40	1/2 BPSK	1	108	19.13	19.13	18.99				
40	1/2 BPSK	1	214	19.03	19.16	19.03	20.1	0.0		
40	1/2 BPSK	108	0	19.04	19.04	19.01				
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				
40	QPSK	108	108	19.05	19.07	19.12	20.1	0.0		
40	QPSK	216	0	19.15	19.16	19.04				
40	16QAM	1	1	19.09	19.11	19.05	20.1	0.0		
40	64QAM	1	1	19.00	19.07	19.00				
40	256QAM	1	1	18.21	18.17	18.15	19.5	0.6		
Channel				345500	349000	352500				
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				
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				
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				
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				
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				
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				
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)			
5	QPSK	1	1	19.12	19.16	19.04	20.1	0.0		
Channel										

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	24.0	0.0		
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.45	22.44	22.46	24.0	0.0		
20	1/2 BPSK	1	53	22.42	22.53	22.46				
20	1/2 BPSK	1	104	22.43	22.48	22.37	23.5	0.5		
20	1/2 BPSK	50	0	21.77	21.95	22.05				
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	21.97				
20	1/2 BPSK	100	0	21.98	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	22.48	22.44				
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				
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	136100	138100				
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				
Frequency (MHz)				668	680.5	693	limit (dB)			
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	136100	139100				
Frequency (MHz)				665.5	680.5	695.5	limit (dB)			
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		
Channel										

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		18.3	0.0	
40	1/2 BPSK	1	53	17.28	17.24	17.33				
40	1/2 BPSK	1	104	17.34	17.18	17.27				
40	1/2 BPSK	50	0	17.32	17.20	17.34	18.3			
40	1/2 BPSK	50	28	17.24	17.17	17.11	18.3			
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	17.33	17.22				
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	519000	520998	Tune-up limit	MPR		
Frequency (MHz)				2585.01	2595	2604.99	limit (dB)			
30	QPSK	1	1	17.26	17.16	17.23	18.3	0.0		
Channel				516504	519000	521496	limit (dB)	MPR		
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)			
25	QPSK	1	1	17.31	17.18	17.31	18.3	0.0		
Channel				516000	519000	522000	Tune-up limit	MPR		
Frequency (MHz)				2580	2595	2610	limit (dB)			
20	QPSK	1	1	17.29	17.14	17.20	18.3	0.0		
Channel				515502	519000	522498	Tune-up limit	MPR		
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)			
15	QPSK	1	1	17.25	17.22	17.24	18.3	0.0		
Channel				515004	519000	522996	Tune-up limit	MPR		
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)			
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	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		18.3	0.0	
100	1/2 BPSK	1	137	17.24	17.21	17.21				
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	17.26				
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	17.28	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				508200	518598	526996	Tune-up limit	MPR		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	17.18	17.27	17.25	18.3	0.0		
Channel				507204	518598	529998	Tune-up limit	MPR		
Frequency (MHz)				2538.02	2592.99	2649.99				
80	QPSK	1	1	17.20	17.21	17.34	18.3	0.0		
Channel				506202	518598	531000	Tune-up limit	MPR		
Frequency (MHz)				2531.01	2592.99	2656				
70	QPSK	1	1	17.31	17.25	17.22	18.3	0.0		
Channel				505200	518598	531996	Tune-up limit	MPR		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	17.17	17.31	17.25	18.3	0.0		
Channel				504204	518598	532996	Tune-up limit	MPR		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	17.21	17.21	17.23	18.3	0.0		
Channel				503202	518598	534000	Tune-up limit	MPR		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	17.29	17.21	17.21	18.3	0.0		
Channel				502200	518598	534996	Tune-up limit	MPR		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	17.23	17.24	17.26	18.3	0.0		
Channel				501204	518598	535998	Tune-up limit	MPR		
Frequency (MHz)				2506.02	2592.99	2679.99				
25	QPSK	1	1	17.26	17.24	17.33	18.3	0.0		
Channel				501204	518598	535998	Tune-up limit	MPR		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	17.24	17.19	17.28	18.3	0.0		
Channel				500700	518598	534996	Tune-up limit	MPR		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	17.21	17.18	17.29	18.3	0.0		
Channel				500202	518598	537000	Tune-up limit	MPR		
Frequency (MHz)				2501.01	2592.99	2686				
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	21.55	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				375000	376000	376500	Tune-up limit (dB)	MPR		
35	QPSK	1	1	22.44	22.46	22.45	24.0	0.0		
Channel				373000	376000	379000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.39	22.39	22.48	24.0	0.0		
Channel				372500	376000	379500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	1892.5	1880	1897.5	limit (dB)			
Channel				372000	376000	380000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	1860	1880	1900	limit (dB)			
Channel				371500	376000	380500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.43	22.42	22.47	24.0	0.0		
Channel				371000	376000	381000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	1855	1880	1905	limit (dB)			
Channel				370500	376000	381500	Tune-up limit (dB)	MPR		
5	QPSK	1	1	22.38	22.44	22.45	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	510000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.45	22.48	22.40	24.0	0.0		
Channel				502500	507000	511500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	22.45	22.51	22.46	24.0	0.0		
Channel				502000	507000	512000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	22.47	22.42	22.45	24.0	0.0		
Channel				501500	507000	512500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.48	22.49	22.51	24.0	0.0		
Channel				501000	507000	513000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	22.42	22.37	22.48	24.0	0.0		
Channel				500500	507000	513500	Tune-up limit (dB)	MPR		
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				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	22.86	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 limit (dB)	MPR		
35	QPSK	1	1	22.46	22.54	22.51	24.0	0.0		
Channel				345000	349000	353000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.48	22.46	22.56	24.0	0.0		
Channel				344500	349000	353500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	22.40	22.51	22.52	24.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	22.43	22.52	22.44	24.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.55	22.51	22.47	24.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	22.48	22.45	22.53	24.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dB)	MPR		
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			
40	1/2 BPSK	1	53	22.43	22.59	22.54	24.0	0.0	
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
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			
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			
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			
15	QPSK	1	1	22.58	22.43	22.50	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
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			
100	1/2 BPSK	1	137	22.39	22.53	22.52	24.0	0.0	
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	21.88	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	526996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
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	2640.99			
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	2635			
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)				2526	2592.99	2639.98			
60	QPSK	1	1	22.55	22.45	22.48	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2684.99			
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			
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			
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			
25	QPSK	1	1	22.54	22.41	22.44	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.51	22.53	22.58	24.0	0.0	
Channel				500700	518598	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
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			
10	QPSK	1	1	22.44	22.53	22.56	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				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				
40	1/2 BPSK	1	104	17.46	17.49	17.40				
40	1/2 BPSK	50	0	17.46	17.41	17.29	18.4			
40	1/2 BPSK	50	28	17.56	17.66	17.54	18.4			
40	1/2 BPSK	50	56	17.48	17.50	17.45		18.4	0.0	
40	1/2 BPSK	100	0	17.55	17.64	17.37				
40	QPSK	1	1	17.53	17.67	17.66				
40	QPSK	1	53	17.42	17.61	17.55	18.4	0.0		
40	QPSK	1	104	17.50	17.57	17.45				
40	QPSK	50	0	17.55	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				
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	519000	520998	Tune-up	MPR		
Frequency (MHz)				2585.01	2595	2604.99	limit (dB)			
30	QPSK	1	1	17.46	17.42	17.45	18.4	0.0		
Channel				516504	519000	521496	Tune-up	MPR		
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)			
25	QPSK	1	1	17.49	17.54	17.51	18.4	0.0		
Channel				516000	519000	522000	Tune-up	MPR		
Frequency (MHz)				2580	2595	2610	limit (dB)			
20	QPSK	1	1	17.51	17.43	17.43	18.4	0.0		
Channel				515502	519000	522498	Tune-up	MPR		
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)			
15	QPSK	1	1	17.44	17.44	17.41	18.4	0.0		
Channel				515004	519000	522996	Tune-up	MPR		
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)			
10	QPSK	1	1	17.44	17.55	17.50	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				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				
100	1/2 BPSK	1	271	17.50	17.52	17.49				
100	1/2 BPSK	135	0	17.54	17.40	17.34	18.4	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	17.46	17.53	17.42				
100	QPSK	1	1	17.61	17.69	17.67				
100	QPSK	1	137	17.44	17.55	17.53	18.4	0.0		
100	QPSK	1	271	17.51	17.56	17.31				
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				
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				508200	518598	526996	Tune-up limit	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	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	MPR		
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	1	17.40	17.53	17.45	18.4	0.0		
Channel				505200	518598	531996	Tune-up limit	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	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	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	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	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	535998	Tune-up limit	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	534996	Tune-up limit	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	MPR		
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	17.59	17.58	17.43	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	656000	662000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	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	20.8	0.0
100	1/2 BPSK	270	0	20.08	20.01	19.83		
100	QPSK	1	1	20.12	20.15	20.08		
100	QPSK	1	137	19.98	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	19.95	20.8	0.0
100	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	(dB)
	QPSK	1	1	19.97	20.03	20.02	20.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	(dB)
	QPSK	1	1	20.13	20.09	19.88	20.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	(dB)
	QPSK	1	1	19.98	20.14	19.90	20.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3720.02	3840	3950.01	limit	(dB)
	QPSK	1	1	20.04	20.15	19.93	20.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3720.02	3840	3950.01	limit	(dB)
	QPSK	1	1	20.09	20.04	19.90	20.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720.02	3840	3950.01	limit	(dB)
	QPSK	1	1	20.03	20.10	19.94	20.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3840	3965.01	limit	(dB)
	QPSK	1	1	20.06	20.03	19.99	20.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.5	3840	3967.5	limit	(dB)
	QPSK	1	1	20.02	20.13	19.96	20.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit	(dB)
	QPSK	1	1	20.09	20.07	19.97	20.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	(dB)
	QPSK	1	1	20.12	20.09	19.94	20.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3840	3975	limit	(dB)
	QPSK	1	1	20.07	20.10	19.90	20.8	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)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	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	23.05	23.8	0.0
100	1/2 BPSK	135	138	23.06	23.02	22.86	23.8	0.0
100	1/2 BPSK	270	0	23.03	23.10	23.08		
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	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	(dB)
	QPSK	1	1	23.06	23.01	23.03	23.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	(dB)
	QPSK	1	1	23.07	22.97	22.99	23.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	(dB)
	QPSK	1	1	22.94	23.03	23.11	23.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3840	3950.01	limit	(dB)
	QPSK	1	1	23.03	23.01	22.98	23.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	(dB)
	QPSK	1	1	22.94	23.00	23.08	23.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720.02	3840	3950.01	limit	(dB)
	QPSK	1	1	22.99	23.01	23.02	23.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3840	3965.01	limit	(dB)
	QPSK	1	1	23.03	23.04	23.08	23.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.5	3840	3967.5	limit	(dB)
	QPSK	1	1	23.05	23.11	23.06	23.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit	(dB)
	QPSK	1	1	23.03	23.03	22.99	23.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	(dB)
	QPSK	1	1	23.06	23.07	23.09	23.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3840	3975	limit	(dB)
	QPSK	1	1	22.97	23.10	23.09	23.8	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)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137	20.91				
100	1/2 BPSK	1	137	20.13			20.8	0.0
100	1/2 BPSK	1	271	20.06				
100	1/2 BPSK	135	0	20.03			20.8	0.0
100	1/2 BPSK	135	69	20.12			20.8	0.0
100	1/2 BPSK	135	138	19.98			20.8	0.0
100	1/2 BPSK	270	0	20.05				
100	QPSK	1	1	20.18				
100	QPSK	1	137	20.17			20.8	0.0
100	QPSK	1	271	20.04				
100	QPSK	135	0	20.04			20.8	0.0
100	QPSK	135	69	20.17			20.8	0.0
100	QPSK	135	138	20.12			20.8	0.0
100	QPSK	270	0	20.15				
100	16QAM	1	1	20.09			20.8	0.0
100	64QAM	1	1	20.09			20.8	0.0
100	256QAM	1	1	18.23			19.5	1.3
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
	QPSK	1	1	19.89	19.99	19.84	20.8	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		23.11			
100	1/2 BPSK	1	137		23.23		23.8	0.0
100	1/2 BPSK	1	271		23.17			
100	1/2 BPSK	135	0		23.19		23.8	0.0
100	1/2 BPSK	135	69		23.26		23.8	0.0
100	1/2 BPSK	135	138		23.07			
100	1/2 BPSK	270	0		23.18		23.8	0.0
100	QPSK	1	1		23.30			
100	QPSK	1	137		23.25		23.8	0.0
100	QPSK	1	271		23.10			
100	QPSK	135	0		23.09		23.8	0.0
100	QPSK	135	69		23.29		23.8	0.0
100	QPSK	135	138		23.23			
100	QPSK	270	0		23.25		23.8	0.0
100	16QAM	1	1		23.27		23.8	0.0
100	64QAM	1	1		23.25		23.8	0.0
100	256QAM	1	1		21.41		22.0	1.8
Channel				649668	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				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	23.8 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	23.8 0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1		22.96	23.00	23.03	23.8 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	23.06	23.8 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	23.8 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	23.8 0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1		22.98	22.99	22.97	23.8 0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1		23.06	23.07	22.97	23.8 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	23.8 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	23.8 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)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	18.26	18.25	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	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	MPR
90	QPSK	1	1	18.09	18.19	18.11	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	MPR
70	QPSK	1	1	18.06	18.20	18.12	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3735.02	3840	3950.01	limit	MPR
60	QPSK	1	1	18.11	18.22	18.12	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	MPR
50	QPSK	1	1	18.14	18.24	18.24	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720	3840	3960	limit	MPR
40	QPSK	1	1	18.03	18.10	18.15	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3840	3965.01	limit	MPR
30	QPSK	1	1	18.09	18.15	18.19	19.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.5	3840	3967.5	limit	MPR
25	QPSK	1	1	18.18	18.25	18.22	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit	MPR
20	QPSK	1	1	18.19	18.13	18.16	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	MPR
15	QPSK	1	1	18.11	18.10	18.14	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3840	3975	limit	MPR
10	QPSK	1	1	18.11	18.17	18.22	19.7	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)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	21.17	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	21.24	21.28	21.21	22.7	0.0
100	1/2 BPSK	270	0	21.26	21.23	21.28		
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	22.7	0.0
100	QPSK	270	0	21.18	21.27	21.25		
100	16QAM	1	1	21.27	21.25	21.22	22.7	0.0
100	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	MPR
90	QPSK	1	1	21.18	21.15	21.13	22.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	MPR
80	QPSK	1	1	21.11	21.24	21.12	22.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	MPR
70	QPSK	1	1	21.10	21.16	21.11	22.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3735.02	3840	3950.01	limit	MPR
60	QPSK	1	1	21.18	21.20	21.15	22.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	MPR
50	QPSK	1	1	21.10	21.15	21.23	22.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720	3840	3960	limit	MPR
40	QPSK	1	1	21.08	21.20	21.15	22.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3840	3965.01	limit	MPR
30	QPSK	1	1	21.06	21.18	21.19	22.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.5	3840	3967.5	limit	MPR
25	QPSK	1	1	21.20	21.24	21.12	22.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit	MPR
20	QPSK	1	1	21.12	21.15	21.20	22.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	MPR
15	QPSK	1	1	21.14	21.12	21.24	22.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3840	3975	limit	MPR
10	QPSK	1	1	21.17	21.13	21.19	22.7	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)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137		18.23		19.7	0.0
100	1/2 BPSK	1	271		18.14			
100	1/2 BPSK	135	0		18.20		19.7	0.0
100	1/2 BPSK	135	69		18.35		19.7	0.0
100	1/2 BPSK	135	138		18.26		19.7	0.0
100	1/2 BPSK	270	0		18.36		19.7	0.0
100	QPSK	1	1		18.37			
100	QPSK	1	137		18.25		19.7	0.0
100	QPSK	1	271		18.21			
100	QPSK	135	0		18.32		19.7	0.0
100	QPSK	135	69		18.35		19.7	0.0
100	QPSK	135	138		18.31		19.7	0.0
100	QPSK	270	0		18.30		19.7	0.0
100	16QAM	1	1		18.32		19.7	0.0
100	64QAM	1	1		18.32		19.7	0.0
100	256QAM	1	1		17.85		19.5	0.2
Channel				649668	650000	650334	Tuneup	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	MPR
Channel				18.26	18.14	18.25	19.7	0.0
Frequency (MHz)								
80	QPSK	1	1	374	650000	650362	Tuneup	MPR
Channel				18.19	18.19	18.26	19.7	0.0
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tuneup	MPR
Channel				18.23	18.14	18.17	19.7	0.0
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	limit	MPR
Channel				648688	650000	651334	Tuneup	MPR
Frequency (MHz)								
50	QPSK	1	1	3725.01	3750	3750.02	limit	MPR
Channel				648334	650000	651668	Tuneup	MPR
Frequency (MHz)								
40	QPSK	1	1	3720.01	3750	3775.02	limit	MPR
Channel				647988	650000	652334	Tuneup	MPR
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3785.01	limit	MPR
Channel				18.20	18.18	18.26	19.7	0.0
Frequency (MHz)								
25	QPSK	1	1	647500	650000	652500	Tuneup	MPR
Channel				37425	3750	37845	19.7	0.0
Frequency (MHz)								
20	QPSK	1	1	18.13	18.20	18.13	19.7	0.0
Channel				647334	650000	652668	Tuneup	MPR
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3790.02	limit	0.0
Channel				18.14	18.16	18.13	19.7	0.0
Frequency (MHz)								
15	QPSK	1	1	3707.52	3750	3792.51	limit	0.0
Channel				18.20	18.12	18.22	19.7	0.0
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	limit	0.0
Channel				18.20	18.14	18.16	19.7	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		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			
100	QPSK	270	0		21.37		22.7	0.0
100	16QAM	1	1		21.30		22.7	0.0
100	64QAM	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	21.28	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)				3712.5	3750	3787.5	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	3792.02	limit	(dB)
20	QPSK	1	1	21.31	21.18	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

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Par270 n77 HPUE Ant 7 DSI2Part270 n78 Ant 7 DSI2

Part27O n78 HPUE Ant 7 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1		20.91			
100	1/2 BPSK	1	137		20.93		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				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		20.91	20.89	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				648668	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	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1		20.91	20.89	20.89	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	20.99	21.4 0.0
Channel				647668	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	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3792.02	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

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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	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	23.5	0.5
100	1/2 BPSK	270	0	21.98	21.98	21.92		
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	23.0	1.0
100	QPSK	270	0	21.45	21.52	21.45		
100	16QAM	1	1	21.36	21.38	21.62	23.0	1.0
100	64QAM	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	22.59	24.0	0.0
	Channel			649334	656000	662668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	22.52	22.53	22.43	24.0	0.0
	Channel			649000	656000	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)			3729.02	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	656000	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	656000	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	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	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	656000	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	656000	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	656000	662000		
	Frequency (MHz)			3750	3840	3930		
100	1/2 BPSK	1	1	25.72	25.75	25.70		
100	1/2 BPSK	1	137	25.62	25.66	25.62	27.0	0.0
100	1/2 BPSK	1	271	25.76	25.71	25.76		
100	1/2 BPSK	135	0	25.17	25.23	25.22	26.5	0.5
100	1/2 BPSK	135	69	25.74	25.67	25.71	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	25.20	25.14	25.17		
100	QPSK	1	1	25.55	25.78	25.63		
100	QPSK	1	137	25.75	25.61	25.67	27.0	0.0
100	QPSK	1	271	25.52	25.54	25.50		
100	QPSK	135	0	24.81	24.88	24.56	26.0	1.0
100	QPSK	135	69	25.69	25.75	25.65	27.0	0.0
100	QPSK	135	138	24.70	24.66	24.85	26.0	1.0
100	QPSK	270	0	24.64	24.71	24.63		
100	16QAM	1	1	24.59	24.67	24.77	26.0	1.0
100	64QAM	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	25.65	25.68	25.67	27.0	0.0
	Channel			649334	656000	662668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	25.71	25.74	25.71	27.0	0.0
	Channel			649000	656000	663000	Tune-up	MPR
	Frequency (MHz)			3735	3840	3945	limit	(dB)
70	QPSK	1	1	25.64	25.66	25.67	27.0	0.0
	Channel			648688	656000	663334	Tune-up	MPR
	Frequency (MHz)			3729.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	25.68	25.66	25.68	27.0	0.0
	Channel			648334	656000	663668	Tune-up	MPR
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	25.70	25.69	25.69	27.0	0.0
	Channel			648000	656000	664000	Tune-up	MPR
	Frequency (MHz)			3720	3840	3960	limit	(dB)
40	QPSK	1	1	25.71	25.65	25.73	27.0	0.0
	Channel			647688	656000	664334	Tune-up	MPR
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	25.61	25.63	25.74	27.0	0.0
	Channel			647500	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	25.69	25.72	25.80	27.0	0.0
	Channel			647334	656000	664668	Tune-up	MPR
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	25.63	25.66	25.69	27.0	0.0
	Channel			647168	656000	664834	Tune-up	MPR
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	25.68	25.67	25.68	27.0	0.0
	Channel			647000	656000	665000	Tune-up	MPR
	Frequency (MHz)			3705	3840	3975	limit	(dB)
10	QPSK	1	1	25.69	25.69	25.67	27.0	0.0

Part270 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				24.0	0.0
100	1/2 BPSK	135	138				23.5	0.5
100	1/2 BPSK	270	0					
100	QPSK	1	1					
100	QPSK	1	137				24.0	0.0
100	QPSK	1	271					
100	QPSK	135	0				23.0	1.0
100	QPSK	135	69				24.0	0.0
100	QPSK	135	138				23.0	1.0
100	QPSK	270	0					
100	16QAM	1	1				23.0	1.0
100	64QAM	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	22.83	22.56	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	22.32	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)			3729.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.32	22.34	22.28	24.0	0.0
	Channel			648334	650000	651668	Tune-up	MPR
	Frequency (MHz)			3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.33	22.25	22.25	24.0	0.0
	Channel			648000	650000	652000	Tune-up	MPR
	Frequency (MHz)			3720	3750	3780	limit	(dB)
40	QPSK	1	1	22.31	22.29	22.26	24.0	0.0
	Channel			647688	650000	652334	Tune-up	MPR
	Frequency (MHz)			3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.32	22.36	22.32	24.0	0.0
	Channel			647500	650000	652500	Tune-up	MPR
	Frequency (MHz)			3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.38	22.34	22.28	24.0	0.0
	Channel			647334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3710.01	3750	3793.02	limit	(dB)
20	QPSK	1	1	22.30	22.31	22.32	24.0	0.0
	Channel			647168	650000	652834	Tune-up	MPR
	Frequency (MHz)			3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.26	22.39	22.32	24.0	0.0
	Channel			647000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.33	22.28	22.35	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				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		24.58		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		24.38		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				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				647500	650000	652500	Tune-up	MPR
Frequency (MHz)				3712.5	3750	3792.5	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 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	21.61	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 limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.53	22.66	22.51	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	22.55	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 limit (dB)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.51	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dB)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
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	22.56	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	21.46	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 limit (dB)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dB)	MPR	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.52	22.44	22.34	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dB)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
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		23.7	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	0.2	
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		23.0	0.7
40	QPSK	50	0	21.66	21.66	21.58			
40	QPSK	50	28	22.67	22.69	22.67	23.7	0.0	
40	QPSK	50	56	21.68	21.57	21.75		23.0	0.7
40	QPSK	100	0	21.76	21.81	21.80			
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.71	22.66	22.65	23.7	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	22.70	22.67	22.56	23.7	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.72	22.65	22.53	23.7	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.69	22.65	22.53	23.7	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
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		23.7	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	0.2	
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		23.0	0.7
100	QPSK	135	0	21.67	21.70	21.51			
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			
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	529996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.65	22.74	22.65	23.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	22.72	22.65	22.55	23.7	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	22.69	22.62	22.53	23.7	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.65	22.67	22.60	23.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.62	22.75	22.59	23.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2599.98	2670			
40	QPSK	1	1	22.67	22.75	22.59	23.7	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2598.99	2674.98			
30	QPSK	1	1	22.66	22.71	22.66	23.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	22.67	22.67	22.65	23.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.73	22.73	22.66	23.7	0.0	
Channel				500700	518598	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.73	22.69	22.59	23.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
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	18.17	19.1	0.0		
40	1/2 BPSK	108	108	18.29	18.21	18.26				
40	1/2 BPSK	216	0	18.25	18.25	18.21	19.1	0.0		
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	18.28	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				375000	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	18.28	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	18.18	19.1	0.0		
Channel				371000	376000	381000	Tune-up limit (dB)	MPR		
Frequency (MHz)				1855	1880	1905				
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	1897.5				
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				
20	1/2 BPSK	100	0	22.02	21.89	21.98	23.5	0.5		
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				163000	167300	163300	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)				820	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 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	20.06	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				
40	1/2 BPSK	216	0	20.12	20.06	20.21	21.6	0.0		
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	18.28	18.19	18.15	19.5	2.1		
Channel				503000	507000	511000	Tune-up limit (dB)	MPR		
Frequency (MHz)				2515	2535	2555				
30	QPSK	1	1	20.04	20.10	20.15	21.6	0.0		
Channel				502500	507000	511500	Tune-up limit (dB)	MPR		
Frequency (MHz)				2512.5	2535	2557.5				
25	QPSK	1	1	20.11	20.14	20.01	21.6	0.0		
Channel				502000	507000	512000	Tune-up limit (dB)	MPR		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	1	20.03	20.20	20.02	21.6	0.0		
Channel				501500	507000	512500	Tune-up limit (dB)	MPR		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	1	20.03	20.14	20.08	21.6	0.0		
Channel				501000	507000	513000	Tune-up limit (dB)	MPR		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	1	19.96	20.13	20.02	21.6	0.0		
Channel				500500	507000	513500	Tune-up limit (dB)	MPR		
Frequency (MHz)				2502.5	2535	2567.5				
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	24.0	0.0	
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	22.44	22.39	22.46	24.0	0.0	
20	1/2 BPSK	1	53	22.40	22.45	22.45			
20	1/2 BPSK	1	104	22.37	22.45	22.37	23.5	0.5	
20	1/2 BPSK	50	0	21.89	21.91	22.07			
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			
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	21.52	21.50	21.47	23.0	1.0	
20	64QAM	1	1	20.27	20.15	20.09			
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5	
Channel				164800	166300	168800			
Frequency (MHz)				824.5	831.5	841.5	limit (dB)		
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0	
Channel				163800	166300	168800			
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			
Frequency (MHz)				816.5	831.5	846.5	limit (dB)		
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0	
Channel									

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	22.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	20.59	20.72	20.61	22.0	0.0	
40	1/2 BPSK	1	108	20.54	20.68	20.70			
40	1/2 BPSK	1	214	20.63	20.63	20.62	22.0	0.0	
40	1/2 BPSK	108	0	20.66	20.69	20.68			
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	20.59			
40	QPSK	108	0	20.64	20.65	20.61	22.0	0.0	
40	QPSK	108	54	20.61	20.71	20.66			
40	QPSK	108	108	20.61	20.64	20.61	22.0	0.0	
40	QPSK	216	0	20.58	20.68	20.63			
40	16QAM	1	1	20.63	20.63	20.70	22.0	0.0	
40	64QAM	1	1	20.67	20.66	20.70			
40	256QAM	1	1	18.36	18.27	18.34	19.5	2.5	
Channel				345000	349000	352000			
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			
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			
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			
Frequency (MHz)				1720	1745	1770	limit (dB)		
20	QPSK	1	1	20.62	20.66	20.61	22.0	0.0	
Channel				343500	349000	354500			
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			
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			
Frequency (MHz)				1712.5	1745	1777.5	limit (dB)		
5	QPSK	1	1	20.52	20.58	20.55	22.0	0.0	
Channel									

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	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	1/2 BPSK	1	1	22.45	22.44	22.46	24.0	0.0	
20	1/2 BPSK	1	53	22.42	22.53	22.46			
20	1/2 BPSK	1	104	22.43	22.48	22.37	23.5	0.5	
20	1/2 BPSK	50	0	21.77	21.95	22.05			
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	21.98	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	22.48	22.44			
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			
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5	
Channel				134100	136100	138100			
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			
Frequency (MHz)				668	680.5	693	limit (dB)		
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5	limit (dB)		
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0	
Channel									

n38 Ant 1 DS13										
BW [MHz]	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	20.25	20.26	20.14		21.3	0.0	
40	1/2 BPSK	1	53	20.23	20.16	20.14				
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		21.3	0.0	
40	1/2 BPSK	100	0	20.16	20.19	20.20				
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		21.3	0.0	
40	QPSK	100	0	20.21	20.23	20.16				
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	519000	520998	Tune-up limit	MPR (dB)		
Frequency (MHz)				2585.01	2595	2604.99				
30	QPSK	1	1	20.10	20.13	20.04	21.3	0.0		
Channel				516504	519000	521496	Tune-up limit	MPR (dB)		
Frequency (MHz)				2632.52	2635	2637.48				
25	QPSK	1	1	20.04	20.16	20.01	21.3	0.0		
Channel				516000	519000	522000	Tune-up limit	MPR (dB)		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	1	20.09	20.15	20.16	21.3	0.0		
Channel				515502	519000	522498	Tune-up limit	MPR (dB)		
Frequency (MHz)				2577.51	2595	2612.49				
15	QPSK	1	1	20.15	20.08	20.11	21.3	0.0		
Channel				515004	519000	522996	Tune-up limit	MPR (dB)		
Frequency (MHz)				2575.02	2595	2614.98				
10	QPSK	1	1	20.04	20.09	20.07	21.3	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)		
Channel				509202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	1/2 BPSK	1	1	20.13	20.15	20.20		21.3	0.0	
100	1/2 BPSK	1	137	20.19	20.11	20.26				
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		21.3	0.0	
100	1/2 BPSK	270	0	20.26	20.22	20.18				
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	20.24	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				508200	518598	526996	Tune-up limit	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	20.11	20.19	20.08	21.3	0.0		
Channel				507204	518598	529998	Tune-up limit	MPR (dB)		
Frequency (MHz)				2538.02	2592.99	2649.99				
80	QPSK	1	1	20.15	20.05	20.16	21.3	0.0		
Channel				506202	518598	531000	Tune-up limit	MPR (dB)		
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	1	20.15	20.07	20.16	21.3	0.0		
Channel				505200	518598	531996	Tune-up limit	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	20.13	20.17	20.08	21.3	0.0		
Channel				504204	518598	532996	Tune-up limit	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	20.05	20.13	20.14	21.3	0.0		
Channel				503202	518598	534000	Tune-up limit	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	20.10	20.10	20.08	21.3	0.0		
Channel				502200	518598	534996	Tune-up limit	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	20.16	20.05	20.13	21.3	0.0		
Channel				501204	518598	535998	Tune-up limit	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
25	QPSK	1	1	20.10	20.11	20.03	21.3	0.0		
Channel				501204	518598	536998	Tune-up limit	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	20.07	20.09	20.17	21.3	0.0		
Channel				500700	518598	537996	Tune-up limit	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	20.12	20.05	20.08	21.3	0.0		
Channel				500202	518598	537000	Tune-up limit	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	20.18	20.14	20.05	21.3	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				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	19.96	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 limit (dB)	MPR
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	19.98	20.02	19.94	21.0	0.0
Channel				373000	376000	379000	Tune-up limit (dB)	MPR
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	19.96	19.97	19.93	21.0	0.0
Channel				372500	376000	379500	Tune-up limit (dB)	MPR
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.94	20.00	19.96	21.0	0.0
Channel				372000	376000	380000	Tune-up limit (dB)	MPR
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.97	20.00	19.91	21.0	0.0
Channel				371500	376000	380500	Tune-up limit (dB)	MPR
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.88	20.01	19.98	21.0	0.0
Channel				371000	376000	381000	Tune-up limit (dB)	MPR
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.88	20.01	19.94	21.0	0.0
Channel				370500	376000	381500	Tune-up limit (dB)	MPR
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.90	19.88	19.85	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				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	19.85	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	19.88	20.04	21.0	0.0
40	64QAM	1	1	20.08	20.04	19.86	21.0	0.0
40	256QAM	1	1	18.15	18.15	18.06	19.5	1.5
Channel				503500	507000	510500	Tune-up limit (dB)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.91	19.96	19.98	21.0	0.0
Channel				502500	507000	511500	Tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.01	19.97	19.97	21.0	0.0
Channel				502000	507000	512000	Tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.86	20.01	20.01	21.0	0.0
Channel				501500	507000	512500	Tune-up limit (dB)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.96	20.07	20.07	21.0	0.0
Channel				501000	507000	513000	Tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.96	20.03	20.09	21.0	0.0
Channel				500500	507000	513500	Tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.93	19.98	20.00	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				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 limit (dB)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	19.51	19.50	19.49	20.9	0.0
Channel				345000	349000	353000	Tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.51	19.51	19.47	20.9	0.0
Channel				344500	349000	353500	Tune-up limit (dB)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.51	19.50	19.53	20.9	0.0
Channel				344000	349000	354000	Tune-up limit (dB)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.60	19.52	19.45	20.9	0.0
Channel				343500	349000	354500	Tune-up limit (dB)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.47	19.54	19.49	20.9	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.51	19.51	19.52	20.9	0.0
Channel				342500	349000	355500	Tune-up limit (dB)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.61	19.54	19.56	20.9	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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	20.53	20.57	20.54			
40	1/2 BPSK	1	53	20.53	20.60	20.44	21.4	0.0	
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			
40	1/2 BPSK	100	0	20.54	20.57	20.55	21.4	0.0	
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			
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			
40	QPSK	100	0	20.50	20.56	20.53	21.4	0.0	
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.42	20.50	20.56	21.4	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.53	20.54	20.52	21.4	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.46	20.60	20.47	21.4	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.47	20.48	20.49	21.4	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.45	20.55	20.50	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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	20.47	20.62	20.53			
100	1/2 BPSK	1	137	20.43	20.59	20.48	21.4	0.0	
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			
100	1/2 BPSK	270	0	20.46	20.52	20.57	21.4	0.0	
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			
100	QPSK	270	0	20.52	20.61	20.57	21.4	0.0	
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	526996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.54	20.51	20.55	21.4	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	20.56	20.62	20.51	21.4	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	20.55	20.61	20.55	21.4	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.42	20.57	20.44	21.4	0.0	
Channel				504204	518598	532996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.48	20.59	20.48	21.4	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.47	20.53	20.55	21.4	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.54	20.59	20.55	21.4	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	20.51	20.58	20.53	21.4	0.0	
Channel				501204	518598	536998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.46	20.62	20.52	21.4	0.0	
Channel				500700	518598	537996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.57	20.62	20.55	21.4	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2686			
10	QPSK	1	1	20.54	20.60	20.55	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				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	22.5	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	22.5	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	22.5	0.0	
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	519000	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	522996	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	

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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	22.5	0.0	
100	1/2 BPSK	1	271	21.06	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	21.08	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				508200	518598	526996	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	2649.99			
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)				2526	2592.99	2659.98			
60	QPSK	1	1	21.09	21.11	21.06	22.5	0.0	
Channel				504204	518598	532996	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	2686			
10	QPSK	1	1	21.04	21.12	21.12	22.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	656000	662000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	18.96	19.07	18.92	20.6	0.0
100	1/2 BPSK	1	271	19.09	19.08	19.05		
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	20.6	0.0
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	20.6	0.0
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	64QAM	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
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	
90	QPSK	1	1	19.03	19.08	19.03	20.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	
80	QPSK	1	1	18.96	19.00	18.94	20.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	
70	QPSK	1	1	19.01	19.11	18.91	20.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3840	3950.01	limit	
60	QPSK	1	1	19.07	19.08	18.94	20.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	
50	QPSK	1	1	19.03	19.15	18.95	20.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720	3840	3960	limit	
40	QPSK	1	1	18.99	19.10	19.00	20.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3840	3965.01	limit	
30	QPSK	1	1	18.96	19.03	18.97	20.6	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.5	3840	3962.5	limit	
25	QPSK	1	1	19.09	19.09	19.06	20.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit	
20	QPSK	1	1	19.02	19.07	18.91	20.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	
15	QPSK	1	1	19.03	19.12	18.91	20.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3840	3975	limit	
10	QPSK	1	1	18.96	19.12	18.92	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		650000	656000	662000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	22.04	22.02	22.01	23.6	0.0
100	1/2 BPSK	1	137	21.98	21.95	21.92		
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	21.96	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	64QAM	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
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	
90	QPSK	1	1	21.99	21.94	21.98	23.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	
80	QPSK	1	1	21.89	22.04	22.04	23.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	
70	QPSK	1	1	21.97	22.07	21.97	23.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3840	3950.01	limit	
60	QPSK	1	1	22.04	22.01	22.02	23.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	
50	QPSK	1	1	21.91	21.95	21.97	23.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720	3840	3960	limit	
40	QPSK	1	1	21.99	21.99	22.00	23.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3840	3965.01	limit	
30	QPSK	1	1	21.99	22.05	22.04	23.6	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.5	3840	3962.5	limit	
25	QPSK	1	1	21.93	22.02	22.02	23.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit	
20	QPSK	1	1	22.04	21.97	21.95	23.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	
15	QPSK	1	1	21.94	21.96	22.04	23.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3840	3975	limit	
10	QPSK	1	1	21.91	21.98	22.01	23.6	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)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137	19.15			20.6	0.0
100	1/2 BPSK	1	137	19.08				
100	1/2 BPSK	1	271	19.27				
100	1/2 BPSK	135	0	19.10			20.6	0.0
100	1/2 BPSK	135	69	19.23			20.6	0.0
100	1/2 BPSK	135	138	19.28				
100	1/2 BPSK	270	0	19.17			20.6	0.0
100	QPSK	1	1	19.29				
100	QPSK	1	137	19.15			20.6	0.0
100	QPSK	1	271	19.24				
100	QPSK	135	0	19.02			20.6	0.0
100	QPSK	135	69	19.27			20.6	0.0
100	QPSK	135	138	19.15				
100	QPSK	270	0	19.25			20.6	0.0
100	16QAM	1	1	19.18			20.6	0.0
100	64QAM	1	1	19.07			20.6	0.0
100	256QAM	1	1	18.25			19.5	1.1
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	
90	QPSK	1	1	19.09	19.11	19.05	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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1		22.22			
100	1/2 BPSK	1	137		22.18		23.6	0.0
100	1/2 BPSK	1	271		22.23			
100	1/2 BPSK	135	0		22.08		23.6	0.0
100	1/2 BPSK	135	69		22.24		23.6	0.0
100	1/2 BPSK	135	138		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		22.16			
100	QPSK	270	0		22.23		23.6	0.0
100	16QAM	1	1		22.19		23.6	0.0
100	64QAM	1	1		22.21		23.6	0.0
100	256QAM	1	1		21.49		22.0	1.6
Channel				649668	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				649334	650000	650668	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	22.04	22.06	22.15	23.6	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	22.04	22.02	22.05	23.6	0.0
Channel				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.02	22.11	22.01	23.6	0.0
Channel				648334	650000	651668	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				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				647668	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				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				647334	650000	652668	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				647168	650000	652834	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.12	22.06	22.09	23.6	0.0
Channel				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

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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)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	18.79	18.75	18.80		
100	1/2 BPSK	1	137	18.68	18.71	18.83	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	18.83	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	18.69	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	64QAM	1	1	18.74	18.81	18.73	20.2	0.0
100	256QAM	1	1	17.91	17.91	17.83	19.5	0.7
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	MPR
	QPSK	1	1	18.62	18.63	18.69	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	limit	MPR
	QPSK	1	1	18.61	18.72	18.65	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	limit	MPR
	QPSK	1	1	18.54	18.67	18.63	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3840	3950.01	limit	MPR
	QPSK	1	1	18.66	18.63	18.58	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3840	3955.02	limit	MPR
	QPSK	1	1	18.59	18.64	18.62	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720	3840	3960	limit	MPR
	QPSK	1	1	18.63	18.62	18.60	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3840	3965.01	limit	MPR
	QPSK	1	1	18.67	18.71	18.60	20.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.5	3840	3967.5	limit	MPR
	QPSK	1	1	18.60	18.60	18.66	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3840	3970.02	limit	MPR
	QPSK	1	1	18.64	18.61	18.65	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	limit	MPR
	QPSK	1	1	18.65	18.69	18.64	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3840	3975	limit	MPR
	QPSK	1	1	18.62	18.70	18.60	20.2	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)								
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	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	21.87	21.84	21.76	23.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.86	21.83	21.74	23.2	0.0
	QPSK	1	1	649000	656000	663000	Tune-up	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.76	21.75	21.73	23.2	0.0
	QPSK	1	1	648668	656000	663334	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.84	21.82	21.74	23.2	0.0
	QPSK	1	1	648334	656000	663668	Tune-up	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.87	21.83	21.83	23.2	0.0
	QPSK	1	1	648000	656000	664000	Tune-up	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.76	21.80	21.74	23.2	0.0
	QPSK	1	1	647688	656000	664334	Tune-up	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.81	21.82	21.83	23.2	0.0
	QPSK	1	1	647500	656000	664500	Tune-up	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.75	21.82	21.84	23.2	0.0
	QPSK	1	1	647334	656000	664668	Tune-up	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.75	21.87	21.88	23.2	0.0
	QPSK	1	1	647168	656000	664834	Tune-up	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.83	21.87	21.88	23.2	0.0
	QPSK	1	1	647000	656000	665000	Tune-up	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.74	21.76	21.77	23.2	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)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137		18.77		20.2	0.0
100	1/2 BPSK	1	271		18.75			
100	1/2 BPSK	135	0		18.81		20.2	0.0
100	1/2 BPSK	135	69		18.78		20.2	0.0
100	1/2 BPSK	135	138		18.78		20.2	0.0
100	1/2 BPSK	270	0		18.74			
100	QPSK	1	1		18.82			
100	QPSK	1	137		18.74		20.2	0.0
100	QPSK	1	271		18.78			
100	QPSK	135	0		18.73		20.2	0.0
100	QPSK	135	69		18.80		20.2	0.0
100	QPSK	135	138		18.79		20.2	0.0
100	QPSK	270	0		18.74			
100	16QAM	1	1		18.81		20.2	0.0
100	64QAM	1	1		18.80		20.2	0.0
100	256QAM	1	1		17.91		19.5	0.7
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
Channel				18.67	18.70	18.73	20.2	0.0
Frequency (MHz)								
80	QPSK	1	1	3740.01	3750	3760.02	Tune-up	MPR
Channel				18.68	18.75	18.88	20.2	0.0
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tune-up	MPR
Channel				18.71	18.76	18.87	20.2	0.0
Frequency (MHz)								
60	QPSK	1	1	648688	650000	651334	Tune-up	MPR
Channel				18.73	18.78	18.85	20.2	0.0
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651668	Tune-up	MPR
Channel				18.72	18.66	18.67	20.2	0.0
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up	MPR
Channel				3720	3750	3780	limit	(dB)
Frequency (MHz)								
30	QPSK	1	1	647688	650000	652334	Tune-up	MPR
Channel				18.71	18.67	18.65	20.2	0.0
Frequency (MHz)								
25	QPSK	1	1	647334	650000	652668	Tune-up	MPR
Channel				37425	3750	37635	limit	(dB)
Frequency (MHz)								
20	QPSK	1	1	647000	650000	652500	Tune-up	MPR
Channel				18.70	18.70	18.68	20.2	0.0
Frequency (MHz)								
15	QPSK	1	1	647334	850000	652668	Tune-up	MPR
Channel				37140.01	3750	3790.02	limit	(dB)
Frequency (MHz)								
10	QPSK	1	1	647168	850000	652834	Tune-up	MPR
Channel				18.77	18.78	18.78	20.2	0.0
Frequency (MHz)								
5	QPSK	1	1	3707.52	3750	3792.51	limit	(dB)
Frequency (MHz)								
10	QPSK	1	1	18.66	18.70	18.69	20.2	0.0
Frequency (MHz)								
10	QPSK	1	1	18.70	18.70	18.68	20.2	0.0
Frequency (MHz)								
10	QPSK	1	1	18.76	18.74	18.79	20.2	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		21.82		23.2	0.0	
100	1/2 BPSK	1	137		21.68				
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		23.2	0.0	
100	1/2 BPSK	270	0		21.80				
100	QPSK	1	1		21.95		23.2	0.0	
100	QPSK	1	137		21.76				
100	QPSK	1	271		21.72				
100	QPSK	135	0		21.66		23.2	0.0	
100	QPSK	135	69		21.94		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		20.90		21.5	1.7	
Channel				649668	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				648668	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	21.66	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				647668	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)				3712.5	3750	3787.5	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	3792.02	limit	(dB)	
20	QPSK	1	1	21.70	21.67	21.66	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	

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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)								
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	19.18	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	19.18	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	64QAM	1	1	19.04	19.08	19.06	20.0	0.0
100	256QAM	1	1	18.34	18.34	18.22	19.5	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.14	19.08	19.14	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.09	19.80	19.10	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.08	19.10	19.08	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.18	19.14	19.00	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.11	19.12	19.14	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.03	19.15	19.04	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.17	19.12	19.04	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.13	19.20	19.01	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.09	19.10	19.03	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.09	19.10	19.03	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.16	19.15	19.08	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	656000	662000		
Frequency (MHz)								
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	21.97	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	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	21.95	22.08	22.09	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.90	22.04	22.04	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.03	22.13	21.96	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.94	22.11	21.96	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.93	22.05	22.04	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.04	22.11	22.05	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.07	22.11	22.08	23.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.07	22.07	21.96	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.08	22.14	21.99	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.98	22.05	21.98	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.04	22.12	22.01	23.0	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	650000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137		19.45		20.0	0.0
100	1/2 BPSK	1	271		19.47			
100	1/2 BPSK	135	0		19.45		20.0	0.0
100	1/2 BPSK	135	69		19.47		20.0	0.0
100	1/2 BPSK	135	138		19.46		20.0	0.0
100	1/2 BPSK	270	0		19.42			
100	QPSK	1	1		19.49			
100	QPSK	1	137		19.47		20.0	0.0
100	QPSK	1	271		19.41			
100	QPSK	135	0		19.41		20.0	0.0
100	QPSK	135	69		19.47		20.0	0.0
100	QPSK	135	138		19.43		20.0	0.0
100	QPSK	270	0		19.45			
100	16QAM	1	1		19.47		20.0	0.0
100	64QAM	1	1		19.39		20.0	0.0
100	256QAM	1	1		18.48		19.5	0.5
Channel				649688	650000	650334	Tune-up	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
Channel				3750.34	650000	650688	Tune-up	MPR
Frequency (MHz)								
80	QPSK	1	1	19.38	19.31	19.32	20.0	0.0
Channel				650000	650000	651000	Tune-up	MPR
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	limit	(dB)
Channel				3740.01	650000	3750.02	Tune-up	MPR
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	limit	(dB)
Channel				648868	650000	651334	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				648334	650000	651668	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3785.01	limit	(dB)
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	3710.01	3750	3790.02	limit	(dB)
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	3705.02	3750	3795.01	limit	(dB)
Channel				647225	650000	652688	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	3700.01	3750	3800.02	limit	(dB)
Channel				647168	650000	652768	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	limit	(dB)
Channel				647100	650000	652800	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	19.36	19.34	19.41	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
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	64QAM	1	1		22.38		23.0	0.0
100	256QAM	1	1		21.44		22.5	0.5
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	22.81	22.43	22.83	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				648668	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	22.28	22.30	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				647668	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	652668	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	22.28	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

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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	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	23.5	0.5
100	1/2 BPSK	270	0	21.98	21.98	21.92		
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	23.0	1.0
100	QPSK	270	0	21.45	21.52	21.45		
100	16QAM	1	1	21.36	21.38	21.62	23.0	1.0
100	64QAM	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	22.59	24.0	0.0
	Channel			649334	656000	662668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	22.52	22.53	22.43	24.0	0.0
	Channel			649000	656000	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)			3729.02	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	656000	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	656000	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	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	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	656000	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	656000	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

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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	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	25.26	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	25.52	25.54	25.50		
100	QPSK	135	0	24.81	24.88	24.56	26.0	1.0
100	QPSK	135	69	25.69	25.75	25.65	27.0	0.0
100	QPSK	135	138	24.70	24.66	24.85	26.0	1.0
100	QPSK	270	0	24.64	24.71	24.63		
100	16QAM	1	1	24.59	24.67	24.77	26.0	1.0
100	64QAM	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	25.65	25.68	25.67	27.0	0.0
	Channel			649334	656000	662668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	25.71	25.74	25.71	27.0	0.0
	Channel			649000	656000	663000	Tune-up	MPR
	Frequency (MHz)			3735	3840	3945	limit	(dB)
70	QPSK	1	1	25.64	25.66	25.67	27.0	0.0
	Channel			648688	656000	663334	Tune-up	MPR
	Frequency (MHz)			3729.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	25.68	25.66	25.68	27.0	0.0
	Channel			648334	656000	663668	Tune-up	MPR
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	25.70	25.69	25.69	27.0	0.0
	Channel			648000	656000	664000	Tune-up	MPR
	Frequency (MHz)			3720	3840	3960	limit	(dB)
40	QPSK	1	1	25.71	25.65	25.73	27.0	0.0
	Channel			647688	656000	664334	Tune-up	MPR
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	25.61	25.63	25.74	27.0	0.0
	Channel			647500	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	25.69	25.72	25.80	27.0	0.0
	Channel			647334	656000	664668	Tune-up	MPR
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	25.63	25.66	25.69	27.0	0.0
	Channel			647168	656000	664834	Tune-up	MPR
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	25.68	25.67	25.68	27.0	0.0
	Channel			647000	656000	665000	Tune-up	MPR
	Frequency (MHz)			3705	3840	3975	limit	(dB)
10	QPSK	1	1	25.69	25.69	25.67	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		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					
100	QPSK	1	1					
100	QPSK	1	137				24.0	0.0
100	QPSK	1	271					
100	QPSK	135	0				23.0	1.0
100	QPSK	135	69				24.0	0.0
100	QPSK	135	138				23.0	1.0
100	QPSK	270	0					
100	16QAM	1	1				23.0	1.0
100	64QAM	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	22.83	22.56	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	22.32	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)			3729.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.32	22.34	22.26	24.0	0.0
	Channel			648334	650000	651668	Tune-up	MPR
	Frequency (MHz)			3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.33	22.25	22.25	24.0	0.0
	Channel			648000	650000	652000	Tune-up	MPR
	Frequency (MHz)			3720	3750	3780	limit	(dB)
40	QPSK	1	1	22.31	22.29	22.26	24.0	0.0
	Channel			647688	650000	652334	Tune-up	MPR
	Frequency (MHz)			3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.32	22.36	22.32	24.0	0.0
	Channel			647500	650000	652500	Tune-up	MPR
	Frequency (MHz)			3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.38	22.34	22.28	24.0	0.0
	Channel			647334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	22.30	22.31	22.32	24.0	0.0
	Channel			647168	650000	652834	Tune-up	MPR
	Frequency (MHz)			3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.26	22.39	22.32	24.0	0.0
	Channel			647000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.33	22.28	22.35	24.0	0.0

Part27O 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		24.58		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		24.38		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				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				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 DSI4

n5 Ant 0 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	22.59	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 limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.53	22.66	22.51	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	22.55	22.56	24.0	0.0	

n26 Ant 0 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				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 limit (dB)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.51	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dB)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.54	22.64	22.45	24.0	0.0	

n71 Ant 0 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				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	22.56	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	21.46	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 limit (dB)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dB)	MPR	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.52	22.44	22.34	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dB)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.49	22.42	22.45	24.0	0.0	

n38 Ant 0 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	22.61	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	23.5	0.5	
40	1/2 BPSK	50	0	22.20	22.15	22.26			
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	24.0	0.0	
40	QPSK	1	53	22.69	22.63	22.66			
40	QPSK	1	104	22.58	22.52	22.52	23.0	1.0	
40	QPSK	50	0	21.66	21.66	21.58	24.0	0.0	
40	QPSK	50	28	22.67	22.69	22.67			
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.71	22.66	22.65	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	22.70	22.67	22.56	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.72	22.65	22.53	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.69	22.65	22.53	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.69	22.71	22.52	24.0	0.0	

n41 Ant 0 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	22.63	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	23.5	0.5	
100	1/2 BPSK	135	0	22.18	22.09	22.20			
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	24.0	0.0	
100	QPSK	1	137	22.71	22.63	22.59			
100	QPSK	1	271	22.53	22.59	22.56	23.0	1.0	
100	QPSK	135	0	21.67	21.70	21.51	24.0	0.0	
100	QPSK	135	69	22.69	22.74	22.69			
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 limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.65	22.74	22.65	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	22.72	22.65	22.55	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	22.69	22.62	22.53	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.65	22.67	22.60	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.62	22.75	22.59	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.67	22.75	22.59	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.65	22.71	22.65	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	22.67	22.67	22.65	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.73	22.73	22.66	24.0	0.0	
Channel				500700	518598	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.73	22.69	22.59	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2686			
10	QPSK	1	1	22.60	22.70	22.52	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				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	22.55	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		
40	1/2 BPSK	216	0	22.15	22.17	22.14	23.5	0.5
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		
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				375300	376000	376500	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)				1865	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)				1862.5	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)				1860	1880	1900		
20	QPSK	1	1	22.63	22.61	22.58	24.0	0.0
Channel				371500	376000	380500	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)				1855	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)				1852.5	1880	1897.5		
5	QPSK	1	1	22.68	22.58	22.55	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				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	26	22.26	22.29	22.39	24.0	0.0
20	1/2 BPSK	50	56	21.83	21.90	21.94		
20	1/2 BPSK	100	0	22.02	21.89	21.98	23.5	0.5
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	26	22.39	22.47	22.34	24.0	0.0
20	QPSK	50	56	21.45	21.34	21.41		
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				163300	167300	163300	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)				820	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		
40	1/2 BPSK	216	0	22.24	22.11	22.16	23.5	0.5
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		
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	18.28	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	22.57	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	24.0	0.0		
Frequency (MHz)				824	831.5	839				
20	1/2 BPSK	1	1	22.44	22.39	22.46	24.0	0.0		
20	1/2 BPSK	1	53	22.40	22.45	22.45				
20	1/2 BPSK	1	104	22.37	22.45	22.37	23.5	0.5		
20	1/2 BPSK	50	0	21.89	21.91	22.07				
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				
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	21.52	21.50	21.47	23.0	1.0		
20	64QAM	1	1	20.27	20.15	20.09				
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164800	166300	168800				
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				
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				
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	24.0	0.0		
Frequency (MHz)				1730	1745	1760				
40	1/2 BPSK	1	1	22.57	22.48	22.43	24.0	0.0		
40	1/2 BPSK	1	108	22.64	22.53	22.44				
40	1/2 BPSK	1	214	22.61	22.61	22.52	23.5	0.5		
40	1/2 BPSK	108	0	21.98	22.10	22.22				
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				
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				
40	256QAM	1	1	18.36	18.27	18.34	19.5	4.5		
Channel				345000	349000	352000				
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				
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				
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				
Frequency (MHz)				1720	1745	1770	limit (dB)			
20	QPSK	1	1	22.38	22.45	22.32	24.0	0.0		
Channel				343000	349000	354000				
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				
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				
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	24.0	0.0		
Frequency (MHz)				673	680.5	688				
20	1/2 BPSK	1	1	22.45	22.44	22.46	24.0	0.0		
20	1/2 BPSK	1	53	22.42	22.53	22.46				
20	1/2 BPSK	1	104	22.43	22.48	22.37	23.5	0.5		
20	1/2 BPSK	50	0	21.77	21.95	22.05				
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	21.97				
20	1/2 BPSK	100	0	21.98	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	22.48	22.44				
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				
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	136100	138100				
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				
Frequency (MHz)				668	680.5	693	limit (dB)			
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	136100	139100				
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			
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	21.62	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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.72	22.78	22.76	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2632.52	2635	2637.48			
25	QPSK	1	1	22.64	22.72	22.76	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.72	22.72	22.70	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.69	22.68	22.64	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
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	22.75	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	21.50	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	21.68			
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				532300	518598	528996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.72	22.78	22.74	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	22.62	22.73	22.75	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.52	22.54	22.47	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.62	22.52	22.64	24.0	0.0	
Channel				514204	518598	532996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.62	22.69	22.65	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.60	22.76	22.71	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.65	22.79	22.65	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	22.66	22.81	22.75	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.71	22.82	22.63	24.0	0.0	
Channel				530700	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.71	22.72	22.68	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
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	21.55	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				375000	376000	376500	Tune-up limit (dB)	MPR		
35	QPSK	1	1	22.44	22.46	22.45	24.0	0.0		
Channel				373000	376000	379000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.39	22.39	22.48	24.0	0.0		
Channel				372500	376000	379500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	1892.5	1880	1897.5	limit (dB)			
Channel				372000	376000	380000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	1860	1880	1900	limit (dB)			
Channel				371500	376000	380500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.43	22.42	22.47	24.0	0.0		
Channel				371000	376000	381000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	1895	1880	1905	limit (dB)			
Channel				370500	376000	381500	Tune-up limit (dB)	MPR		
5	QPSK	1	1	22.38	22.44	22.45	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				503000	507000	510000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.45	22.48	22.40	24.0	0.0		
Channel				502500	507000	511500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	22.45	22.51	22.46	24.0	0.0		
Channel				502000	507000	512000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	22.47	22.42	22.45	24.0	0.0		
Channel				501500	507000	512500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.48	22.49	22.51	24.0	0.0		
Channel				501000	507000	513000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	22.42	22.37	22.48	24.0	0.0		
Channel				500500	507000	513500	Tune-up limit (dB)	MPR		
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	22.86	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 limit (dB)	MPR		
35	QPSK	1	1	22.46	22.54	22.51	24.0	0.0		
Channel				345000	349000	353000	Tune-up limit (dB)	MPR		
30	QPSK	1	1	22.48	22.46	22.56	24.0	0.0		
Channel				344500	349000	353500	Tune-up limit (dB)	MPR		
25	QPSK	1	1	22.40	22.51	22.52	24.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dB)	MPR		
20	QPSK	1	1	22.43	22.52	22.44	24.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dB)	MPR		
15	QPSK	1	1	22.55	22.51	22.47	24.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dB)	MPR		
10	QPSK	1	1	22.48	22.45	22.53	24.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dB)	MPR		
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			
40	1/2 BPSK	1	53	22.43	22.59	22.54	24.0	0.0	
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
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			
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			
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			
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			
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			
100	1/2 BPSK	1	137	22.39	22.53	22.52	24.0	0.0	
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	21.88	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	526996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
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			
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	2655			
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)				2526	2592.99	2659.98			
60	QPSK	1	1	22.45	22.45	22.48	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
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			
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			
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			
25	QPSK	1	1	22.54	22.41	22.44	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.51	22.53	22.58	24.0	0.0	
Channel				500700	518598	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
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			
10	QPSK	1	1	22.44	22.53	22.56	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	22.47	22.44	22.52			
40	1/2 BPSK	1	53	22.49	22.61	22.57	24.0	0.0	
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			
40	1/2 BPSK	100	0	22.06	21.98	21.98	23.5	0.5	
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.45	22.45	22.55	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2632.52	2635	2637.48			
25	QPSK	1	1	22.46	22.45	22.59	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.43	22.50	22.44	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.57	22.56	22.54	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.48	22.56	22.46	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	22.50	22.61	22.64			
100	1/2 BPSK	1	137	22.45	22.64	22.55	24.0	0.0	
100	1/2 BPSK	1	271	22.58	22.60	22.51			
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			
100	1/2 BPSK	270	0	22.09	22.03	21.98	23.5	0.5	
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				508200	518598	526996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.61	22.60	22.56	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	22.51	22.52	22.60	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	22.43	22.57	22.63	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.61	22.55	22.48	24.0	0.0	
Channel				504204	518598	532996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.53	22.48	22.56	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.58	22.57	22.62	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.65	22.51	22.56	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	22.57	22.48	22.57	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.59	22.52	22.48	24.0	0.0	
Channel				500700	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.54	22.58	22.57	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2686			
10	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	656000	662000		
		Frequency (MHz)		3750	3840	3930		
100	1/2 BPSK	1	1	22.57	22.44	22.44		
100	1/2 BPSK	1	137	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	23.51	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	22.59	22.54	24.0	0.0
100	QPSK	135	138	21.40	21.43	21.55	23.0	1.0
100	QPSK	270	0	21.65	21.70	21.59		
100	16QAM	1	1	21.59	21.45	21.38	23.0	1.0
100	64QAM	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	22.44	22.47	22.43	24.0	0.0
		Channel		649334	656000	662068	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		647500	656000	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	656000	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	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

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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	25.52	23.14	24.89		
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	64QAM	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	662068	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	24.63	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	24.65	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		647500	656000	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	656000	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	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

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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				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					
100	QPSK	1	1					
100	QPSK	1	137				24.0	0.0
100	QPSK	1	271					
100	QPSK	135	0				23.0	1.0
100	QPSK	135	69				24.0	0.0
100	QPSK	135	138				23.0	1.0
100	QPSK	270	0					
100	16QAM	1	1				23.0	1.0
100	64QAM	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
		Frequency (MHz)		3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.72	22.61	22.70	24.0	0.0
		Channel		648334	650000	651668	Tune-up	MPR
		Frequency (MHz)		3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.65	22.71	22.62	24.0	0.0
		Channel		648000	650000	652000	Tune-up	MPR
		Frequency (MHz)		3720	3750	3780	limit	(dB)
40	QPSK	1	1	22.59	22.61	22.63	24.0	0.0
		Channel		647668	650000	652334	Tune-up	MPR
		Frequency (MHz)		3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.71	22.62	22.60	24.0	0.0
		Channel		647500	650000	652500	Tune-up	MPR
		Frequency (MHz)		3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.68	22.64	22.61	24.0	0.0
		Channel		647334	650000	652668	Tune-up	MPR
		Frequency (MHz)		3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	22.67	22.64	22.65	24.0	0.0
		Channel		647168	650000	652834	Tune-up	MPR
		Frequency (MHz)		3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.66	22.63	22.72	24.0	0.0
		Channel		647000	650000	653000	Tune-up	MPR
		Frequency (MHz)		3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.61	22.60	22.59	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	1/2 BPSK	1	1		25.65			26.5	0.0
100	1/2 BPSK	1	137		25.78				
100	1/2 BPSK	1	271		25.72				
100	1/2 BPSK	135	0		25.20		26.0	0.5	
100	1/2 BPSK	135	69		25.72		26.5	0.0	
100	1/2 BPSK	135	138		25.08		26.0	0.5	
100	1/2 BPSK	270	0		25.20				
100	QPSK	1	1		25.86			26.5	0.0
100	QPSK	1	137		25.68				
100	QPSK	1	271		25.53				
100	QPSK	135	0		24.68		25.5	1.0	
100	QPSK	135	69		25.65		26.5	0.0	
100	QPSK	135	138		24.60		25.5	1.0	
100	QPSK	270	0		24.77				
100	16QAM	1	1		24.64		25.5	1.0	
100	64QAM	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)				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	25.69	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	25.68	25.66	25.80	26.5	0.0	
Channel				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1	25.63	25.66	25.88	26.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3792.02	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	

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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	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		
100	1/2 BPSK	270	0	21.63	21.58	21.57	23.5	0.5
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	64QAM	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	662068	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	22.18	24.0	0.0
	Channel			648000	656000	664000	Tune-up	MPR
	Frequency (MHz)			3720	3840	3960	limit	(dB)
40	QPSK	1	1	22.15	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			647500	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	22.17	22.07	22.21	24.0	0.0
	Channel			647334	656000	664668	Tune-up	MPR
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	22.10	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

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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	25.17	23.36	24.81		
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		
100	1/2 BPSK	270	0	24.91	22.86	24.31	25.5	0.5
100	QPSK	1	1	25.22	23.43	24.82		
100	QPSK	1	137	25.21	23.34	24.81	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		
100	QPSK	270	0	24.22	22.59	23.95	25.0	1.0
100	16QAM	1	1	24.24	22.30	23.84	25.0	1.0
100	64QAM	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	24.65	26.0	0.0
	Channel			649334	656000	662068	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	23.38	24.70	26.0	0.0
	Channel			648000	656000	664000	Tune-up	MPR
	Frequency (MHz)			3720	3840	3960	limit	(dB)
40	QPSK	1	1	25.19	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			647500	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	25.19	23.35	24.67	26.0	0.0
	Channel			647334	656000	664668	Tune-up	MPR
	Frequency (MHz)			3710.01	3840	3970.02	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

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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				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					
100	QPSK	1	1					
100	QPSK	1	137				24.0	0.0
100	QPSK	1	271					
100	QPSK	135	0				23.0	1.0
100	QPSK	135	69				24.0	0.0
100	QPSK	135	138				23.0	1.0
100	QPSK	270	0					
100	16QAM	1	1				23.0	1.0
100	64QAM	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	22.06	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	22.03	24.0	0.0
	Channel			648000	650000	652000	Tune-up	MPR
	Frequency (MHz)			3720	3750	3780	limit	(dB)
40	QPSK	1	1	22.03	22.10	22.15	24.0	0.0
	Channel			647668	650000	652334	Tune-up	MPR
	Frequency (MHz)			3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.11	22.03	22.12	24.0	0.0
	Channel			647500	650000	652500	Tune-up	MPR
	Frequency (MHz)			3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.12	22.02	22.01	24.0	0.0
	Channel			647334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3710.01	3750	3789.02	limit	(dB)
20	QPSK	1	1	22.03	22.14	22.15	24.0	0.0
	Channel			647168	650000	652834	Tune-up	MPR
	Frequency (MHz)			3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.13	22.10	22.14	24.0	0.0
	Channel			647000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.11	22.12	22.05	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
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		25.5	0.5
100	1/2 BPSK	270	0		24.53			
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		25.0	1.0
100	QPSK	270	0		24.32			
100	16QAM	1	1		24.04		25.0	1.0
100	64QAM	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	25.23	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				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]	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	22.58	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	23.0	1.0
100	QPSK	270	0	21.57	21.62	21.54		
100	16QAM	1	1	21.65	21.52	21.70	23.0	1.0
100	64QAM	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			649668	656000	662334	Tune-up	MPR
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	22.52	22.54	22.58	24.0	0.0
	Channel			649334	656000	662668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	22.49	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	3950.01	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	3955.02	limit	(dB)
50	QPSK	1	1	22.54	22.56	22.46	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			647668	656000	664334	Tune-up	MPR
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	22.63	22.61	22.58	24.0	0.0
	Channel			647500	656000	664500	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	22.69	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

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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	25.62	25.60	25.69		
100	1/2 BPSK	1	137	25.45	25.32	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	25.41		
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	24.66	26.0	1.0
100	64QAM	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			649668	656000	662334	Tune-up	MPR
	Frequency (MHz)			3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	25.63	25.56	25.61	27.0	0.0
	Channel			649334	656000	662668	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	3950.01	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	3955.02	limit	(dB)
50	QPSK	1	1	25.53	25.64	25.59	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	25.59	27.0	0.0
	Channel			647668	656000	664334	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			647500	656000	664500	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 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				23.03	0.0
100	1/2 BPSK	135	138				22.33	
100	1/2 BPSK	270	0				22.48	0.5
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	64QAM	1	1				20.69	
100	256QAM	1	1				18.73	
	Channel			649668	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)			3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.94	22.96	22.91	24.0	0.0
	Channel			648334	650000	651668	Tune-up	MPR
	Frequency (MHz)			3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.97	22.99	22.93	24.0	0.0
	Channel			648000	650000	652000	Tune-up	MPR
	Frequency (MHz)			3720	3750	3780	limit	(dB)
40	QPSK	1	1	23.03	23.00	22.98	24.0	0.0
	Channel			647668	650000	652334	Tune-up	MPR
	Frequency (MHz)			3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	23.03	23.01	22.98	24.0	0.0
	Channel			647500	650000	652500	Tune-up	MPR
	Frequency (MHz)			3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.98	23.01	23.03	24.0	0.0
	Channel			647334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	22.95	23.00	22.99	24.0	0.0
	Channel			647168	650000	652834	Tune-up	MPR
	Frequency (MHz)			3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.90	22.89	23.00	24.0	0.0
	Channel			647000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.96	23.03	22.93	24.0	0.0

Part27O n78 HPUE Ant 7 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		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	64QAM	1	1		23.64		24.5	2.5
100	256QAM	1	1		21.69		22.5	4.5
Channel				649668	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				648668	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				647668	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	3792.02	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

Par27O n77 Ant 8 DSI4Par27O n77 HPUE Ant 8 DSI4Part27O n78 Ant 8 DSI4

Part27O 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			
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		24.58			
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		24.38		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	64QAM	1	1		22.92		24.8	2.2
100	256QAM	1	1		20.99		22.8	4.2
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				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	21.61	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 limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.53	22.66	22.51	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	22.55	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 limit (dB)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.51	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dB)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
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	22.56	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	21.46	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 limit (dB)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dB)	MPR	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.52	22.44	22.34	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dB)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
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			
40	1/2 BPSK	1	53	19.62	19.61	19.52	21.0	0.0	
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			
40	1/2 BPSK	100	0	19.61	19.63	19.64	21.0	0.0	
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	21.0	0.0	
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	519000	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	19.59	19.60	19.48	21.0	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	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	1/2 BPSK	1	1	19.73	19.75	19.69			
100	1/2 BPSK	1	137	19.70	19.77	19.75	21.0	0.0	
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				508200	518598	526998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.58	19.58	19.54	21.0	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	21.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	19.60	19.66	19.59	21.0	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	21.0	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	21.0	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	21.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.66	19.57	19.58	21.0	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	21.0	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	21.0	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	21.0	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	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				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		
40	1/2 BPSK	216	0	20.13	20.19	20.06	21.3	0.0
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	21.3	0.0
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				375300	376000	376500	Tune-up limit (dB)	MPR
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	20.01	20.08	20.05	21.3	0.0
Channel				373000	376000	379000	Tune-up limit (dB)	MPR
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	20.02	20.07	20.00	21.3	0.0
Channel				372500	376000	379500	Tune-up limit (dB)	MPR
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	20.09	20.05	20.05	21.3	0.0
Channel				372000	376000	380000	Tune-up limit (dB)	MPR
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	20.00	20.05	19.95	21.3	0.0
Channel				371500	374000	380500	Tune-up limit (dB)	MPR
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.01	20.05	20.03	21.3	0.0
Channel				371000	376000	381000	Tune-up limit (dB)	MPR
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.97	20.01	20.02	21.3	0.0
Channel				370500	376000	381500	Tune-up limit (dB)	MPR
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.05	20.03	19.97	21.3	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				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		
20	1/2 BPSK	100	0	22.02	21.89	21.98	23.5	0.5
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				163300	167300	163300	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)				830	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)				828.5	836.5	846.5		
5	QPSK	1	1	22.39	22.44	22.25	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	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		
40	1/2 BPSK	216	0	20.66	20.70	20.64	21.8	0.0
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	18.28	18.09	18.46	19.5	2.3
Channel				503000	507000	511000	Tune-up limit (dB)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.55	20.59	20.55	21.8	0.0
Channel				502500	507000	511500	Tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.69	20.70	20.52	21.8	0.0
Channel				502000	507000	512000	Tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2550		
20	QPSK	1	1	20.64	20.68	20.61	21.8	0.0
Channel				501500	507000	512500	Tune-up limit (dB)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.68	20.73	20.65	21.8	0.0
Channel				501000	507000	513000	Tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.66	20.57	20.56	21.8	0.0
Channel				500500	507000	513500	Tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.61	20.58	20.65	21.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 164800	Power Middle Ch. / Freq. 166300	Power High Ch. / Freq. 167800	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	24.0	0.0	
20	1/2 BPSK	1	53	22.40	22.45	22.45			
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	23.0	1.0	
20	QPSK	50	0	21.40	21.48	21.32			
20	QPSK	50	28	22.41	22.49	22.47			
20	QPSK	50	56	21.40	21.38	21.58	23.0	1.0	
20	QPSK	100	0	21.58	21.59	21.56	23.0	1.0	
20	16QAM	1	1	21.52	21.50	21.47			
20	64QAM	1	1	20.27	20.15	20.09			
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5	
Channel				164800	166300	168800	Tune-up limit (dB)	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 limit (dB)	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 limit (dB)	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	

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

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BW [MHz]	Module on Channel	RB Size	RB Offset	Power Low Ch. / Freq. 134600	Power Middle Ch. / Freq. 136100	Power High Ch. / Freq. 137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	1/2 BPSK	1	1	22.45	22.44	22.46	24.0	0.0
20	1/2 BPSK	1	53	22.42	22.53	22.46		
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	21.98	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	23.0	1.0
20	QPSK	50	0	21.38	21.56	21.26		
20	QPSK	50	28	22.43	22.48	22.44		
20	QPSK	50	56	21.39	21.41	21.53	23.0	1.0
20	QPSK	100	0	21.45	21.59	21.42	23.0	1.0
20	16QAM	1	1	21.48	21.41	21.41		
20	64QAM	1	1	20.21	20.08	20.02		
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dB)	MPR (dB)
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 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	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	519000	520998	Tune-up limit (dB)	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.19	20.13	20.06	21.7	0.0
Channel				516504	519000	521496	Tune-up limit (dB)	MPR
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.12	20.22	20.06	21.7	0.0
Channel				516000	519000	522000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.23	20.14	20.05	21.7	0.0
Channel				515502	519000	522498	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.18	20.25	20.15	21.7	0.0
Channel				515004	519000	522998	Tune-up limit (dB)	MPR
Frequency (MHz)				2575.02	2595	2614.98		
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 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	20.33	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	20.26	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	21.7	0.0
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				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.30	20.33	20.25	21.7	0.0
Channel				507204	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	20.30	20.25	20.19	21.7	0.0
Channel				506202	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.31	20.32	20.17	21.7	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.33	20.24	20.17	21.7	0.0
Channel				504204	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.31	20.23	20.19	21.7	0.0
Channel				503202	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.24	20.24	20.12	21.7	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.27	20.21	20.25	21.7	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2505.02	2592.99	2679.99		
25	QPSK	1	1	20.16	20.27	20.26	21.7	0.0
Channel				501204	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.33	20.24	20.13	21.7	0.0
Channel				500200	518598	536996	Tune-up limit (dB)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.24	20.21	20.11	21.7	0.0
Channel				500202	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.20	20.28	20.19	21.7	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				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	376500	Tune-up limit (dB)	MPR
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	22.44	22.46	22.45	24.0	0.0
Channel				373000	376000	379000	Tune-up limit (dB)	MPR
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.39	22.39	22.48	24.0	0.0
Channel				372500	376000	379500	Tune-up limit (dB)	MPR
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.40	22.40	22.39	24.0	0.0
Channel				372000	376000	380000	Tune-up limit (dB)	MPR
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.43	22.42	22.47	24.0	0.0
Channel				371500	376000	380500	Tune-up limit (dB)	MPR
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.46	22.40	22.41	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dB)	MPR
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.51	22.49	22.38	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dB)	MPR
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.38	22.44	22.48	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	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	20.46	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	510000	Tune-up limit (dB)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.40	20.40	20.43	21.6	0.0
Channel				502500	507000	511500	Tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.36	20.42	20.42	21.6	0.0
Channel				502000	507000	512000	Tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.30	20.44	20.34	21.6	0.0
Channel				501500	507000	512500	Tune-up limit (dB)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.43	20.40	20.37	21.6	0.0
Channel				501000	507000	513000	Tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.40	20.50	20.46	21.6	0.0
Channel				500500	507000	513500	Tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.32	20.51	20.45	21.6	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				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	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 limit (dB)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.46	22.54	22.51	23.6	0.0
Channel				345000	349000	353000	Tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.48	22.46	22.56	23.6	0.0
Channel				344500	349000	353500	Tune-up limit (dB)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.40	22.51	22.52	23.6	0.0
Channel				344000	349000	354000	Tune-up limit (dB)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.43	22.52	22.44	23.6	0.0
Channel				343500	349000	354500	Tune-up limit (dB)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.55	22.51	22.47	23.6	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.48	22.45	22.53	23.6	0.0
Channel				342500	349000	355500	Tune-up limit (dB)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
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 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	19.37	19.50	19.38			
40	1/2 BPSK	1	53	19.40	19.48	19.51	20.6	0.0	
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			
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			
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			
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	519000	520998	Tune-up limit	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	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	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.39	19.39	19.41	20.6	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.39	19.37	19.38	20.6	0.0	
Channel				515004	519000	522998	Tune-up limit	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 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	19.48	19.49	19.42			
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			
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	19.38	19.48	19.50			
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			
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				508200	518598	528996	Tune-up limit	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	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	19.30	19.37	19.32	20.6	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2656			
70	QPSK	1	1	19.29	19.45	19.36	20.6	0.0	
Channel				505200	518598	531996	Tune-up limit	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	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	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	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	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	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	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	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	22.4	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	22.4	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	22.4	0.0	
40	QPSK	100	0	21.05	21.08	21.03			
40	16QAM	1	1	20.91	21.08	20.85	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	519000	520998	Tune-up limit	MPR (dB)	
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	MPR (dB)	
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	MPR (dB)	
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	MPR (dB)	
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	MPR (dB)	
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	22.4	0.0	
100	1/2 BPSK	1	137	21.09	21.17	21.04			
100	1/2 BPSK	1	271	21.06	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	21.08	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				508200	518598	526998	Tune-up limit	MPR (dB)	
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	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	20.98	21.11	21.11	22.4	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR (dB)	
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	MPR (dB)	
Frequency (MHz)				2526	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	MPR (dB)	
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	MPR (dB)	
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	MPR (dB)	
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	MPR (dB)	
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	MPR (dB)	
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	MPR (dB)	
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	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2686			
10	QPSK	1	1	21.04	21.12	21.12	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		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	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	21.4	0.0
100	1/2 BPSK	270	0	20.08	20.01	19.83		
100	QPSK	1	1	20.12	20.15	20.08		
100	QPSK	1	137	19.98	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	19.95	21.4	0.0
100	64QAM	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)		3729.02	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	1	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	23.05	24.4	0.0
100	1/2 BPSK	135	138	23.06	23.02	22.98	24.4	0.0
100	1/2 BPSK	270	0	23.03	23.10	23.08		
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	64QAM	1	1	23.03	23.02	22.96	24.0	0.4
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	23.08	24.4	0.0
		Channel		648000	656000	664000	Tune-up	MPR
		Frequency (MHz)		3720	3840	3960	limit	(dB)
40	QPSK	1	1	22.99	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

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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		20.13		21.4	0.0
100	1/2 BPSK	1	271		20.06			
100	1/2 BPSK	135	0		20.03		21.4	0.0
100	1/2 BPSK	135	69		20.12		21.4	0.0
100	1/2 BPSK	135	138		19.98		21.4	0.0
100	1/2 BPSK	270	0		20.05			
100	QPSK	1	1		20.18			
100	QPSK	1	137		20.17		21.4	0.0
100	QPSK	1	271		20.04			
100	QPSK	135	0		20.04		21.4	0.0
100	QPSK	135	69		20.17		21.4	0.0
100	QPSK	135	138		20.12		21.4	0.0
100	QPSK	270	0		20.15			
100	16QAM	1	1		20.09		21.4	0.0
100	64QAM	1	1		20.09		21.4	0.0
100	256QAM	1	1		18.23		19.5	1.9
		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	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)		3729.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	19.95	19.96	19.90	21.4	0.0
		Channel		648334	650000	651668	Tune-up	MPR
		Frequency (MHz)		3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	19.95	19.88	20.02	21.4	0.0
		Channel		648000	650000	652000	Tune-up	MPR
		Frequency (MHz)		3720	3750	3780	limit	(dB)
40	QPSK	1	1	19.94	19.95	19.96	21.4	0.0
		Channel		647668	650000	652334	Tune-up	MPR
		Frequency (MHz)		3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	19.89	19.90	20.01	21.4	0.0
		Channel		647500	650000	652500	Tune-up	MPR
		Frequency (MHz)		3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	19.92	19.92	19.91	21.4	0.0
		Channel		647334	650000	652668	Tune-up	MPR
		Frequency (MHz)		3710.01	3750	3789.02	limit	(dB)
20	QPSK	1	1	19.93	19.94	19.95	21.4	0.0
		Channel		647168	650000	652834	Tune-up	MPR
		Frequency (MHz)		3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	19.99	20.00	19.88	21.4	0.0
		Channel		647000	650000	653000	Tune-up	MPR
		Frequency (MHz)		3705	3750	3795	limit	(dB)
10	QPSK	1	1	20.00	19.94	19.93	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	1/2 BPSK	1	1		23.11			
100	1/2 BPSK	1	137		23.23		24.4	0.0
100	1/2 BPSK	1	271		23.17			
100	1/2 BPSK	135	0		23.19		24.4	0.0
100	1/2 BPSK	135	69		23.26		24.4	0.0
100	1/2 BPSK	135	138		23.07			
100	1/2 BPSK	270	0		23.18		24.4	0.0
100	QPSK	1	1		23.30			
100	QPSK	1	137		23.25		24.4	0.0
100	QPSK	1	271		23.10			
100	QPSK	135	0		23.09		24.4	0.0
100	QPSK	135	69		23.29		24.4	0.0
100	QPSK	135	138		23.23			
100	QPSK	270	0		23.25		24.4	0.0
100	16QAM	1	1		23.27		24.4	0.0
100	64QAM	1	1		23.25		24.0	0.4
100	256QAM	1	1		21.41		22.0	2.4
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1		23.11	23.02	22.79	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				648668	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	23.06	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)				3712.5	3750	3787.5	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		23.06	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

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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)								
100	1/2 BPSK	1	1	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		
100	1/2 BPSK	270	0	21.28	21.20	21.19	22.9	0.0
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		
100	QPSK	270	0	21.28	21.30	21.23	22.9	0.0
100	16QAM	1	1	21.26	21.19	21.29	22.9	0.0
100	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.08	21.20	21.19	22.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.09	21.10	21.21	22.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.12	21.18	21.23	22.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.05	21.13	21.16	22.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.03	21.21	21.23	22.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.14	21.15	21.16	22.9	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.07	21.18	21.19	22.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.05	21.16	21.14	22.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.15	21.16	21.14	22.9	0.0
Channel								
Frequency (MHz)								
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	656000	662000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	137	24.10	23.36	24.15	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		
100	1/2 BPSK	270	0	24.19	22.86	24.18	25.5	0.4
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		
100	QPSK	270	0	24.15	22.59	24.10	25.0	0.9
100	16QAM	1	1	24.06	22.30	24.11	25.0	0.9
100	64QAM	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								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3840	3935.01	limit	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.28	23.27	24.10	25.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.21	23.33	24.22	25.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.24	23.34	24.13	25.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.14	23.39	24.13	25.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.17	23.39	24.13	25.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.21	23.29	24.16	25.9	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	24.23	23.35	24.16	25.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.23	23.29	24.08	25.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.23	23.29	24.08	25.9	0.0
Channel								
Frequency (MHz)								
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)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137		21.28		22.9	0.0
100	1/2 BPSK	1	271		21.31			
100	1/2 BPSK	135	0		21.21		22.9	0.0
100	1/2 BPSK	135	69		21.28		22.9	0.0
100	1/2 BPSK	135	138		21.30			
100	1/2 BPSK	270	0		21.24		22.9	0.0
100	QPSK	1	1		21.33			
100	QPSK	1	137		21.31		22.9	0.0
100	QPSK	1	271		21.23			
100	QPSK	135	0		21.22		22.9	0.0
100	QPSK	135	69		21.32		22.9	0.0
100	QPSK	135	138		21.22			
100	QPSK	270	0		21.28		22.9	0.0
100	16QAM	1	1		21.26		22.9	0.0
100	64QAM	1	1		19.93		21.5	1.4
100	256QAM	1	1		17.94		19.5	3.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.15	21.12	21.24	22.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.19	21.12	21.20	22.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.21	21.26	21.16	22.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.23	21.19	21.15	22.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.25	21.13	21.16	22.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.26	21.21	21.19	22.9	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.275	21.35	21.275	limit	(dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.29	21.18	21.13	22.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.07	21.52	21.07	limit	(dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.13	21.15	21.20	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	650000			
Frequency (MHz)				3750	3750	3750			
100	1/2 BPSK	1	1		24.36			25.9	0.0
100	1/2 BPSK	1	137		24.28				
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		25.5	0.4	
100	1/2 BPSK	270	0		24.25				
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	64QAM	1	1		22.97		23.5	2.4	
100	256QAM	1	1		20.88		21.5	4.4	
Channel				649668	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				648668	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				647668	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)				3712.5	3750	3787.5	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	3792.02	limit	(dB)	
20	QPSK	1	1	24.16	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	24.16	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	64QAM	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	662068	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)		3729.02	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		647500	656000	664500	Tune-up	MPR
		Frequency (MHz)		3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	20.06	20.10	20.03	21.3	0.0
		Channel		647334	656000	664668	Tune-up	MPR
		Frequency (MHz)		3710.01	3840	3970.02	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

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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	23.03	23.04	22.95		
100	1/2 BPSK	1	137	23.05	23.20	22.80	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	64QAM	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	662068	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		647500	656000	664500	Tune-up	MPR
		Frequency (MHz)		3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	23.01	23.05	23.10	24.3	0.0
		Channel		647334	656000	664668	Tune-up	MPR
		Frequency (MHz)		3710.01	3840	3970.02	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

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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		20.48			
100	1/2 BPSK	1	137		20.43		21.3	0.0
100	1/2 BPSK	1	271		20.44			
100	1/2 BPSK	135	0		20.50		21.3	0.0
100	1/2 BPSK	135	69		20.51		21.3	0.0
100	1/2 BPSK	135	138		20.43		21.3	0.0
100	1/2 BPSK	270	0		20.44			
100	QPSK	1	1		20.52			
100	QPSK	1	137		20.51		21.3	0.0
100	QPSK	1	271		20.43			
100	QPSK	135	0		20.44		21.3	0.0
100	QPSK	135	69		20.49		21.3	0.0
100	QPSK	135	138		20.47		21.3	0.0
100	QPSK	270	0		20.48			
100	16QAM	1	1		20.43		21.3	0.0
100	64QAM	1	1		20.50		21.3	0.0
100	256QAM	1	1		18.73		19.5	1.5
		Channel		649668	650000	650334	Tune-up	MPR
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	20.39	20.37	20.37	21.3	0.0
		Channel		649334	650000	650668	Tune-up	MPR
		Frequency (MHz)		3740.01	3750	3760.02	limit	(dB)
80	QPSK	1	1	20.32	20.43	20.47	21.3	0.0
		Channel		649000	650000	651000	Tune-up	MPR
		Frequency (MHz)		3735	3750	3765	limit	(dB)
70	QPSK	1	1	20.46	20.38	20.36	21.3	0.0
		Channel		648668	650000	651334	Tune-up	MPR
		Frequency (MHz)		3729.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	20.38	20.34	20.44	21.3	0.0
		Channel		648334	650000	651668	Tune-up	MPR
		Frequency (MHz)		3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	20.41	20.47	20.34	21.3	0.0
		Channel		648000	650000	652000	Tune-up	MPR
		Frequency (MHz)		3720	3750	3780	limit	(dB)
40	QPSK	1	1	20.46	20.42	20.45	21.3	0.0
		Channel		647668	650000	652334	Tune-up	MPR
		Frequency (MHz)		3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	20.44	20.37	20.39	21.3	0.0
		Channel		647500	650000	652500	Tune-up	MPR
		Frequency (MHz)		3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	20.33	20.42	20.44	21.3	0.0
		Channel		647334	650000	652668	Tune-up	MPR
		Frequency (MHz)		3710.01	3750	3793.02	limit	(dB)
20	QPSK	1	1	20.35	20.33	20.34	21.3	0.0
		Channel		647168	650000	652834	Tune-up	MPR
		Frequency (MHz)		3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	20.40	20.44	20.32	21.3	0.0
		Channel		647000	650000	653000	Tune-up	MPR
		Frequency (MHz)		3705	3750	3795	limit	(dB)
10	QPSK	1	1	20.34	20.45	20.45	21.3	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		23.50			
100	1/2 BPSK	1	137		23.48		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		24.3	0.0
100	1/2 BPSK	270	0		23.37			
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	64QAM	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	3792.02	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

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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	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	23.8	0.2
100	1/2 BPSK	270	0	21.98	21.98	21.92		
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	23.3	0.7
100	QPSK	270	0	21.45	21.52	21.45		
100	16QAM	1	1	21.36	21.38	21.62	23.3	0.7
100	64QAM	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	656000	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	656000	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)			3729.02	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	656000	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	656000	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	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	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	656000	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	656000	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

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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	25.72	25.75	25.70		
100	1/2 BPSK	1	137	25.62	25.66	25.62	27.0	0.0
100	1/2 BPSK	1	271	25.76	25.71	25.76		
100	1/2 BPSK	135	0	25.17	25.23	25.22	26.8	0.2
100	1/2 BPSK	135	69	25.74	25.67	25.71	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	25.20	25.14	25.17		
100	QPSK	1	1	25.55	25.78	25.63		
100	QPSK	1	137	25.75	25.61	25.67	27.0	0.0
100	QPSK	1	271	25.52	25.54	25.50		
100	QPSK	135	0	24.81	24.88	24.56	26.3	0.7
100	QPSK	135	69	25.69	25.75	25.65	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	64QAM	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	25.65	25.68	25.67	27.0	0.0
	Channel			649334	656000	662668	Tune-up	MPR
	Frequency (MHz)			3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	25.71	25.74	25.71	27.0	0.0
	Channel			649000	656000	663000	Tune-up	MPR
	Frequency (MHz)			3735	3840	3945	limit	(dB)
70	QPSK	1	1	25.64	25.66	25.67	27.0	0.0
	Channel			648688	656000	663334	Tune-up	MPR
	Frequency (MHz)			3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	25.68	25.66	25.68	27.0	0.0
	Channel			648334	656000	663668	Tune-up	MPR
	Frequency (MHz)			3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	25.70	25.69	25.69	27.0	0.0
	Channel			648000	656000	664000	Tune-up	MPR
	Frequency (MHz)			3720	3840	3960	limit	(dB)
40	QPSK	1	1	25.71	25.65	25.73	27.0	0.0
	Channel			647688	656000	664334	Tune-up	MPR
	Frequency (MHz)			3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	25.61	25.63	25.74	27.0	0.0
	Channel			647500	656000	664500	Tune-up	MPR
	Frequency (MHz)			3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	25.69	25.72	25.80	27.0	0.0
	Channel			647334	656000	664668	Tune-up	MPR
	Frequency (MHz)			3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	25.63	25.66	25.69	27.0	0.0
	Channel			647168	656000	664834	Tune-up	MPR
	Frequency (MHz)			3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	25.68	25.67	25.68	27.0	0.0
	Channel			647000	656000	665000	Tune-up	MPR
	Frequency (MHz)			3705	3840	3975	limit	(dB)
10	QPSK	1	1	25.69	25.69	25.67	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel		650000	650000	650000		
	Frequency (MHz)			3750	3750	3750		
100	1/2 BPSK	1	1		22.34			
100	1/2 BPSK	1	137		22.33		24.0	0.0
100	1/2 BPSK	1	271		22.38			
100	1/2 BPSK	135	0		21.95		23.8	0.2
100	1/2 BPSK	135	69		22.38		24.0	0.0
100	1/2 BPSK	135	138		21.89		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		21.58		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	64QAM	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	22.56	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)			3729.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	22.32	22.34	22.28	24.0	0.0
	Channel			648334	650000	651668	Tune-up	MPR
	Frequency (MHz)			3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	22.33	22.25	22.25	24.0	0.0
	Channel			648000	650000	652000	Tune-up	MPR
	Frequency (MHz)			3720	3750	3780	limit	(dB)
40	QPSK	1	1	22.31	22.29	22.26	24.0	0.0
	Channel			647688	650000	652334	Tune-up	MPR
	Frequency (MHz)			3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	22.32	22.36	22.32	24.0	0.0
	Channel			647500	650000	652500	Tune-up	MPR
	Frequency (MHz)			3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	22.38	22.34	22.28	24.0	0.0
	Channel			647334	650000	652668	Tune-up	MPR
	Frequency (MHz)			3710.01	3750	3793.02	limit	(dB)
20	QPSK	1	1	22.30	22.31	22.32	24.0	0.0
	Channel			647168	650000	652834	Tune-up	MPR
	Frequency (MHz)			3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	22.26	22.39	22.32	24.0	0.0
	Channel			647000	650000	653000	Tune-up	MPR
	Frequency (MHz)			3705	3750	3795	limit	(dB)
10	QPSK	1	1	22.33	22.28	22.35	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				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		26.8	0.2	
100	1/2 BPSK	135	69		25.28		27.0	0.0	
100	1/2 BPSK	135	138		24.58				
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		24.38		26.3	0.7	
100	QPSK	135	69		25.42		27.0	0.0	
100	QPSK	135	138		24.25				
100	QPSK	270	0		24.45		26.3	0.7	
100	16QAM	1	1		24.30		26.3	0.7	
100	64QAM	1	1		22.92		24.8	2.2	
100	256QAM	1	1		20.99		22.8	4.2	
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				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3792.5	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	21.61	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 limit (dB)	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.55	22.47	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.53	22.66	22.51	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	22.55	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 limit (dB)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.56	22.66	22.48	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dB)	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.51	22.54	22.47	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dB)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
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	22.56	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 limit (dB)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.39	22.47	22.31	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dB)	MPR	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.52	22.44	22.34	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dB)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
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			
40	1/2 BPSK	1	53	19.62	19.61	19.52	20.9	0.0	
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			
40	QPSK	100	0	19.66	19.69	19.59	20.9	0.0	
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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
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	19.59	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	19.59	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			
100	1/2 BPSK	1	137	19.70	19.77	19.75	20.9	0.0	
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	20.9	0.0	
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	526998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.58	19.58	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	19.60	19.66	19.59	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	19.66	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		
40	1/2 BPSK	216	0	18.25	18.25	18.21	19.1	0.0
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	18.28	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				375000	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	18.28	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	18.18	19.1	0.0
Channel				371000	376000	381000	Tune-up limit (dB)	MPR
Frequency (MHz)				1855	1880	1905		
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	1897.5		
5	QPSK	1	1	18.24	18.19	18.20	19.1	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				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		
20	1/2 BPSK	100	0	22.02	21.89	21.98	23.5	0.5
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		
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				163300	167300	163300	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)				820	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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	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	16.87	16.55	18.1	0.0
40	1/2 BPSK	108	54	16.62	16.82	16.65	18.1	0.0
40	1/2 BPSK	108	108	16.60	16.56	16.62		
40	1/2 BPSK	216	0	16.55	16.63	16.53	18.1	0.0
40	QPSK	1	1	16.57	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	16.59	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	16.40	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	16.53	16.52	18.1	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				164800	166300	167800	24.0	0.0		
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	23.5	0.5		
20	1/2 BPSK	1	104	22.37	22.45	22.37				
20	1/2 BPSK	50	0	21.89	21.91	22.07				
20	1/2 BPSK	50	28	22.43	22.33	22.46	23.5	0.5		
20	1/2 BPSK	50	56	21.88	21.97	22.06				
20	1/2 BPSK	100	0	22.01	22.06	21.94				
20	QPSK	1	1	22.47	22.50	22.44	24.0	0.0		
20	QPSK	1	53	22.43	22.46	22.38				
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				
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	21.52	21.50	21.47				
20	64QAM	1	1	20.27	20.15	20.09				
20	256QAM	1	1	18.15	18.12	18.23	19.5	4.5		
Channel				164800	166300	168800				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	22.45	22.49	22.32	24.0	0.0		
Channel				163800	166300	168800				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	1	22.46	22.44	22.33	24.0	0.0		
Channel				163300	166300	169300				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	1	22.39	22.40	22.32	24.0	0.0		
Channel				163000	166300	169300				
Frequency (MHz)				813.00	831.5	841.5				

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	22.0	0.0		
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				
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				
40	QPSK	1	1	20.67	20.73	20.70	22.0	0.0		
40	QPSK	1	108	20.66	20.65	20.71				
40	QPSK	1	214	20.58	20.61	20.59				
40	QPSK	108	0	20.64	20.65	20.61	22.0	0.0		
40	QPSK	108	54	20.61	20.71	20.66				
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	20.63	20.63	20.70				
40	64QAM	1	1	20.67	20.66	20.70				
40	256QAM	1	1	18.36	18.27	18.34	19.5	2.5		
Channel				345000	349000	352000				
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				
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	20.49	20.65	20.61	22.0	0.0		
Channel				344500	349000	353500				
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				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	20.62	20.66	20.61	22.0	0.0		
Channel				343500	349000	354500				
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				
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	20.59	20.62	20.56	22.0	0.0		
Channel				342500	349000	355500				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	20.52	20.58	20.55	22.0	0.0		
Channel				342000	349000	356000				
Frequency (MHz)				1710	1745	1780				

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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				134600	136100	137600	24.0	0.0		
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	23.5	0.5		
20	1/2 BPSK	1	104	22.43	22.48	22.37				
20	1/2 BPSK	50	0	21.77	21.95	22.05				
20	1/2 BPSK	50	28	22.37	22.45	22.47	23.5	0.5		
20	1/2 BPSK	50	56	21.79	21.83	21.87				
20	1/2 BPSK	100	0	21.98	21.93	21.85				
20	QPSK	1	1	22.46	22.54	22.49	24.0	0.0		
20	QPSK	1	53	22.42	22.35	22.39				
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	22.48	22.44				
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				
20	64QAM	1	1	20.21	20.08	20.02				
20	256QAM	1	1	18.14	18.14	18.10	19.5	4.5		
Channel				134100	136100	138100				
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	1	22.50	22.44	22.34	24.0	0.0		
Channel				133600	136100	138600				
Frequency (MHz)				668	680.5	693				
10	QPSK	1	1	22.52	22.42	22.46	24.0	0.0		
Channel				133100	136100	139100				
Frequency (MHz)				665.5	680.5	695.5				
5	QPSK	1	1	22.47	22.51	22.38	24.0	0.0		
Channel				132600	136100	139600				
Frequency (MHz)				663	680.5	698				

n38 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				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	16.28	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	519000	520998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	16.20	16.18	16.14	17.6	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	16.22	16.24	16.15	17.6	0.0	
Channel				516000	519000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.19	16.16	16.05	17.6	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.23	16.25	16.18	17.6	0.0	
Channel				515004	519000	522998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.19	16.18	16.19	17.6	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				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				508200	518598	526996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.20	16.30	16.24	17.6	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	16.24	16.30	16.18	17.6	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.27	16.29	16.24	17.6	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.29	16.32	16.16	17.6	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.27	16.20	16.20	17.6	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.24	16.33	16.24	17.6	0.0	
Channel				502200	518598	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.33	16.26	16.25	17.6	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
25	QPSK	1	1	16.22	16.34	16.19	17.6	0.0	
Channel				501204	518598	536998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.33	16.23	16.25	17.6	0.0	
Channel				500700	518598	537996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	16.29	16.22	16.24	17.6	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.33	16.26	16.20	17.6	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				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	20.3	0.0
40	QPSK	216	0	19.48	19.49	19.47		
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				375300	376000	376500	Tune-up limit (dB)	MPR
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	19.39	19.33	19.40	20.3	0.0
Channel				373000	376000	379000	Tune-up limit (dB)	MPR
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	19.42	19.46	19.30	20.3	0.0
Channel				372500	376000	379500	Tune-up limit (dB)	MPR
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.31	19.45	19.29	20.3	0.0
Channel				372000	376000	380000	Tune-up limit (dB)	MPR
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.40	19.44	19.35	20.3	0.0
Channel				371500	376000	380500	Tune-up limit (dB)	MPR
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.43	19.45	19.29	20.3	0.0
Channel				371000	376000	381000	Tune-up limit (dB)	MPR
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.32	19.45	19.36	20.3	0.0
Channel				370500	376000	381500	Tune-up limit (dB)	MPR
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.45	19.47	19.39	20.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	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	17.96	17.96	17.94		
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	17.89	17.98	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				505300	507000	510000	Tune-up limit (dB)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.89	17.88	17.87	18.9	0.0
Channel				502500	507000	511500	Tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.92	17.94	17.87	18.9	0.0
Channel				502000	507000	512000	Tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.87	17.96	17.81	18.9	0.0
Channel				501500	507000	512500	Tune-up limit (dB)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.97	17.93	17.90	18.9	0.0
Channel				501000	507000	513000	Tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.96	17.88	17.92	18.9	0.0
Channel				500500	507000	513500	Tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.92	17.96	17.88	18.9	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				346000	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		
40	1/2 BPSK	216	0	18.40	18.49	18.56	19.4	0.0
40	QPSK	1	1	18.58	18.65	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	18.61	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 limit (dB)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	18.50	18.51	18.59	19.4	0.0
Channel				345000	349000	353000	Tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.46	18.60	18.49	19.4	0.0
Channel				344500	349000	353500	Tune-up limit (dB)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	18.51	18.58	18.44	19.4	0.0
Channel				344000	349000	354000	Tune-up limit (dB)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.46	18.63	18.48	19.4	0.0
Channel				343500	349000	354500	Tune-up limit (dB)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.50	18.48	18.52	19.4	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.50	18.58	18.50	19.4	0.0
Channel				342500	349000	355500	Tune-up limit (dB)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
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		
40	1/2 BPSK	100	0	18.55	18.52	18.45	19.7	0.0
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	19.7	0.0
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	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.46	18.48	18.43	19.7	0.0
Channel				516504	519000	521496	Tune-up limit	MPR
Frequency (MHz)				2592.52	2595	2607.48		
25	QPSK	1	1	18.48	18.38	18.44	19.7	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.41	18.41	18.39	19.7	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.46	18.46	18.45	19.7	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98		
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	18.40	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	18.58	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	18.58	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	18.58	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	526996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.43	18.50	18.49	19.7	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	18.39	18.38	18.34	19.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.45	18.52	18.45	19.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.40	18.38	18.35	19.7	0.0
Channel				504204	518598	532996	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.46	18.44	18.34	19.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.40	18.48	18.35	19.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.35	18.38	18.35	19.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
25	QPSK	1	1	18.47	18.46	18.41	19.7	0.0
Channel				501204	518598	536998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.39	18.52	18.40	19.7	0.0
Channel				500700	518598	537996	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.37	18.40	18.43	19.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.40	18.39	18.43	19.7	0.0

n38 Ant 3 DSI7										
BW	Modulat on	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	17.48	17.46	17.50		18.8	0.0	
40	1/2 BPSK	1	53	17.53	17.47	17.42				
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			
40	1/2 BPSK	50	28	17.56	17.66	17.54	18.8			
40	1/2 BPSK	50	56	17.48	17.50	17.45		18.8	0.0	
40	1/2 BPSK	100	0	17.58	17.64	17.37				
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		18.8	0.0	
40	QPSK	100	0	17.59	17.62	17.56				
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	519000	520998	Tune-up limit	MPR		
Frequency (MHz)				2585.01	2595	2604.99	limit (dB)			
30	QPSK	1	1	17.46	17.42	17.45	18.8	0.0		
Channel				516504	519000	521496	Tune-up limit	MPR		
Frequency (MHz)				2582.52	2595	2607.48	limit (dB)			
25	QPSK	1	1	17.49	17.54	17.51	18.8	0.0		
Channel				516000	519000	522000	Tune-up limit	MPR		
Frequency (MHz)				2580	2595	2610	limit (dB)			
20	QPSK	1	1	17.51	17.43	17.43	18.8	0.0		
Channel				515502	519000	522498	Tune-up limit	MPR		
Frequency (MHz)				2577.51	2595	2612.49	limit (dB)			
15	QPSK	1	1	17.44	17.44	17.41	18.8	0.0		
Channel				515004	519000	522996	Tune-up limit	MPR		
Frequency (MHz)				2575.02	2595	2614.98	limit (dB)			
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 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	17.57	17.56	17.39		18.8	0.0	
100	1/2 BPSK	1	137	17.43	17.52	17.47				
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		18.8	0.0	
100	1/2 BPSK	270	0	17.46	17.53	17.42				
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	18.8	0.0		
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				508200	518598	529996	Tune-up limit	MPR		
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	Tune-up limit	MPR		
Frequency (MHz)				2538.02	2592.99	2649.99				
80	QPSK	1	1	17.53	17.59	17.51	18.8	0.0		
Channel				506202	518598	531000	Tune-up limit	MPR		
Frequency (MHz)				2531.01	2592.99	2656				
70	QPSK	1	1	17.40	17.53	17.45	18.8	0.0		
Channel				505200	518598	531996	Tune-up limit	MPR		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	17.55	17.45	17.45	18.8	0.0		
Channel				504204	518598	532996	Tune-up limit	MPR		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	17.57	17.48	17.48	18.8	0.0		
Channel				503202	518598	534000	Tune-up limit	MPR		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	17.55	17.54	17.46	18.8	0.0		
Channel				502200	518598	534996	Tune-up limit	MPR		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	17.61	17.44	17.40	18.8	0.0		
Channel				501204	518598	535998	Tune-up limit	MPR		
Frequency (MHz)				2506.02	2592.99	2679.99				
25	QPSK	1	1	17.60	17.47	17.52	18.8	0.0		
Channel				501204	518598	535998	Tune-up limit	MPR		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	17.59	17.52	17.52	18.8	0.0		
Channel				500700	518598	534996	Tune-up limit	MPR		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	17.60	17.55	17.41	18.8	0.0		
Channel				500202	518598	537000	Tune-up limit	MPR		
Frequency (MHz)				2501.01	2592.99	2686				
10	QPSK	1	1	17.59	17.58	17.43	18.8	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)								
100	1/2 BPSK	1	1	16.44	16.61	16.42		
100	1/2 BPSK	1	137	16.49	16.61	16.53	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	64QAM	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
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.41	16.40	16.37	17.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.34	16.39	16.45	17.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.42	16.48	16.37	17.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.31	16.43	16.33	17.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.37	16.43	16.44	17.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.37	16.38	16.33	17.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.34	16.44	16.38	17.6	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.41	16.51	16.38	17.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.45	16.49	16.39	17.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.33	16.50	16.32	17.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.31	16.49	16.47	17.6	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	656000	662000		
Frequency (MHz)								
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	19.48	19.51	19.43		
100	16QAM	1	1	19.35	19.47	19.33	20.6	0.0
100	64QAM	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
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.38	19.45	19.33	20.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.44	19.47	19.48	20.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.38	19.41	19.37	20.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.42	19.48	19.51	20.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.43	19.45	19.39	20.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.34	19.52	19.50	20.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.34	19.54	19.41	20.6	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.38	19.52	19.39	20.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.34	19.41	19.49	20.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.46	19.44	19.49	20.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.46	19.54	19.51	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				650000	650000	650000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3750	3750		
100	1/2 BPSK	1	137		16.72			
100	1/2 BPSK	1	271		16.74		17.6	0.0
100	1/2 BPSK	135	0		16.62		17.6	0.0
100	1/2 BPSK	135	69		16.62		17.6	0.0
100	1/2 BPSK	135	138		16.63		17.6	0.0
100	1/2 BPSK	270	0		16.80			
100	QPSK	1	1		16.78			
100	QPSK	1	137		16.52		17.6	0.0
100	QPSK	1	271		16.63			
100	QPSK	135	0		16.72		17.6	0.0
100	QPSK	135	69		16.75		17.6	0.0
100	QPSK	135	138		16.72		17.6	0.0
100	QPSK	270	0		16.68			
100	16QAM	1	1		16.59		17.6	0.0
100	64QAM	1	1		16.77		17.6	0.0
100	256QAM	1	1		16.76		17.6	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
Channel				16.62	16.57	16.61	17.6	0.0
Channel				649000	650000	650608	Tune-up	MPR
Frequency (MHz)								
80	QPSK	1	1	3740.01	3750	3760.02	limit	(dB)
Channel				16.72	16.57	16.61	17.6	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)								
70	QPSK	1	1	3735.01	3750	3765	limit	(dB)
Channel				16.59	16.72	16.47	17.6	0.0
Channel				648688	650000	651334	Tune-up	MPR
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	limit	(dB)
Channel				16.60	16.71	16.61	17.6	0.0
Channel				648334	650000	651668	Tune-up	MPR
Frequency (MHz)								
50	QPSK	1	1	3725.01	3750	3775.02	limit	(dB)
Channel				16.59	16.68	16.53	17.6	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)								
40	QPSK	1	1	3720.37	3750	3780	limit	(dB)
Channel				16.61	16.67	16.51	17.6	0.0
Channel				647688	650000	652334	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3785.01	limit	(dB)
Channel				16.59	16.72	16.54	17.6	0.0
Channel				647500	650000	652500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	3712.51	3750	3787.5	limit	(dB)
Channel				16.58	16.58	16.58	17.6	0.0
Channel				647334	650000	652668	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3790.02	limit	(dB)
Channel				16.65	16.58	16.48	17.6	0.0
Channel				647000	650000	652900	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	3707.52	3750	3792.51	limit	(dB)
Channel				16.63	16.64	16.60	17.6	0.0
Channel				646800	650000	653200	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	3705.37	3750	3795	limit	(dB)
Channel				16.72	16.57	16.48	17.6	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	3750	3750			
100	1/2 BPSK	1	1		19.73			20.6	0.0
100	1/2 BPSK	1	137		19.71				
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		20.6	0.0	
100	1/2 BPSK	270	0		19.67		20.6	0.0	
100	QPSK	1	1		19.81			20.6	0.0
100	QPSK	1	137		19.59				
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		20.6	0.0	
100	QPSK	270	0		19.71		20.6	0.0	
100	16QAM	1	1		19.52		20.6	0.0	
100	64QAM	1	1		19.74		20.6	0.0	
100	256QAM	1	1		19.75		20.6	0.0	
Channel				649668	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				648668	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				647668	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	

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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	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		
100	1/2 BPSK	270	0	17.60	17.63	17.62	19.4	0.0
100	QPSK	1	1	17.68	17.75	17.74		
100	QPSK	1	137	17.64	17.67	17.71		
100	QPSK	1	271	17.69	17.70	17.65	19.4	0.0
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		
100	QPSK	270	0	17.67	17.71	17.70	19.4	0.0
100	16QAM	1	1	17.62	17.61	17.61	19.4	0.0
100	64QAM	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	17.63	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		647500	656000	664500	Tune-up	MPR
		Frequency (MHz)		3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	17.63	17.57	17.68	19.4	0.0
		Channel		647334	656000	664668	Tune-up	MPR
		Frequency (MHz)		3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	17.51	17.66	17.55	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

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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	20.51	20.52	20.52		
100	1/2 BPSK	1	137	20.58	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		
100	1/2 BPSK	270	0	20.64	20.55	20.58	22.4	0.0
100	QPSK	1	1	20.72	20.77	20.68		
100	QPSK	1	137	20.62	20.66	20.60		
100	QPSK	1	271	20.61	20.65	20.64	22.4	0.0
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	20.69		
100	QPSK	270	0	20.61	20.68	20.63	22.4	0.0
100	16QAM	1	1	20.59	20.54	20.54	22.4	0.0
100	64QAM	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

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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				19.4	0.0
100	1/2 BPSK	1	271					
100	1/2 BPSK	135	0				19.4	0.0
100	1/2 BPSK	135	69				19.4	0.0
100	1/2 BPSK	135	138				19.4	0.0
100	1/2 BPSK	270	0				19.4	0.0
100	QPSK	1	1					
100	QPSK	1	137					
100	QPSK	1	271				19.4	0.0
100	QPSK	135	0				19.4	0.0
100	QPSK	135	69				19.4	0.0
100	QPSK	135	138				19.4	0.0
100	QPSK	270	0				19.4	0.0
100	16QAM	1	1				19.4	0.0
100	64QAM	1	1				19.4	0.0
100	256QAM	1	1				19.4	0.0
		Channel		649668	650000	650334	Tune-up	MPR
		Frequency (MHz)		3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	17.60	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	651000	Tune-up	MPR
		Frequency (MHz)		3735	3750	3765	limit	(dB)
70	QPSK	1	1	17.55	17.68	17.57	19.4	0.0
		Channel		648668	650000	651334	Tune-up	MPR
		Frequency (MHz)		3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	17.65	17.67	17.66	19.4	0.0
		Channel		648334	650000	651668	Tune-up	MPR
		Frequency (MHz)		3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	17.53	17.63	17.54	19.4	0.0
		Channel		648000	650000	652000	Tune-up	MPR
		Frequency (MHz)		3720	3750	3780	limit	(dB)
40	QPSK	1	1	17.63	17.63	17.63	19.4	0.0
		Channel		647668	650000	652334	Tune-up	MPR
		Frequency (MHz)		3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	17.59	17.66	17.67	19.4	0.0
		Channel		647500	650000	652500	Tune-up	MPR
		Frequency (MHz)		3712.5	3750	3787.5	limit	(dB)
25	QPSK	1	1	17.65	17.57	17.58	19.4	0.0
		Channel		647334	650000	652668	Tune-up	MPR
		Frequency (MHz)		3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	17.59	17.62	17.55	19.4	0.0
		Channel		647168	650000	652834	Tune-up	MPR
		Frequency (MHz)		3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	17.63	17.60	17.68	19.4	0.0
		Channel		647000	650000	653000	Tune-up	MPR
		Frequency (MHz)		3705	3750	3795	limit	(dB)
10	QPSK	1	1	17.67	17.67	17.62	19.4	0.0

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BW [MHz]	Modulat ion	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			
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			
100	QPSK	270	0		20.75		22.4	0.0
100	16QAM	1	1		20.83		22.4	0.0
100	64QAM	1	1		20.88		22.4	0.0
100	256QAM	1	1		20.71		21.5	0.9
Channel				649668	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				648668	650000	651334	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	20.76	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	20.78	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				647668	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	20.78	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

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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)								
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	17.1	0.0
100	1/2 BPSK	270	0	16.06	16.15	16.13		
100	QPSK	1	1	16.12	16.18	16.17		
100	QPSK	1	137	16.06	16.12	16.08	17.1	0.0
100	QPSK	1	271	16.13	16.03	16.05		
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	17.1	0.0
100	QPSK	270	0	16.13	16.14	16.08		
100	16QAM	1	1	16.13	16.16	16.02	17.1	0.0
100	64QAM	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)								
90	QPSK	1	1	16.01	16.02	15.93	17.1	0.0
		Channel		649334	656000	662668	Tune-up	MPR
Frequency (MHz)								
80	QPSK	1	1	15.98	16.01	16.10	17.1	0.0
		Channel		649000	656000	663000	Tune-up	MPR
Frequency (MHz)								
70	QPSK	1	1	16.02	16.05	16.03	17.1	0.0
		Channel		648668	656000	663334	Tune-up	MPR
Frequency (MHz)								
60	QPSK	1	1	15.99	16.11	16.01	17.1	0.0
		Channel		648334	656000	663668	Tune-up	MPR
Frequency (MHz)								
50	QPSK	1	1	15.95	16.05	16.00	17.1	0.0
		Channel		648000	656000	664000	Tune-up	MPR
Frequency (MHz)								
40	QPSK	1	1	15.93	16.12	16.10	17.1	0.0
		Channel		647668	656000	664500	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	15.94	16.02	16.05	17.1	0.0
		Channel		647500	656000	664500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	16.01	16.13	16.05	17.1	0.0
		Channel		647334	656000	664668	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	15.95	16.06	16.03	17.1	0.0
		Channel		647168	656000	664834	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	16.04	16.13	16.05	17.1	0.0
		Channel		647000	656000	665000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	16.07	16.40	16.05	17.1	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)								
100	1/2 BPSK	1	1	16.93	19.16	19.08		
100	1/2 BPSK	1	137	19.09	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	19.98	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	19.98	19.13	20.1	0.0
100	QPSK	270	0	19.11	19.16	19.13		
100	16QAM	1	1	19.16	19.12	18.97	20.1	0.0
100	64QAM	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)								
90	QPSK	1	1	19.06	19.02	19.03	20.1	0.0
		Channel		649334	656000	662668	Tune-up	MPR
Frequency (MHz)								
80	QPSK	1	1	19.07	19.00	19.04	20.1	0.0
		Channel		649000	656000	663000	Tune-up	MPR
Frequency (MHz)								
70	QPSK	1	1	19.09	18.98	19.14	20.1	0.0
		Channel		648668	656000	663334	Tune-up	MPR
Frequency (MHz)								
60	QPSK	1	1	19.13	19.05	19.16	20.1	0.0
		Channel		648334	656000	663668	Tune-up	MPR
Frequency (MHz)								
50	QPSK	1	1	19.13	19.10	19.17	20.1	0.0
		Channel		648000	656000	664000	Tune-up	MPR
Frequency (MHz)								
40	QPSK	1	1	19.13	19.06	19.04	20.1	0.0
		Channel		647668	656000	664500	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	19.00	19.00	19.09	20.1	0.0
		Channel		647500	656000	664500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	19.01	19.04	19.11	20.1	0.0
		Channel		647334	656000	664668	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	19.04	19.12	19.10	20.1	0.0
		Channel		647168	656000	664834	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	19.13	19.11	19.15	20.1	0.0
		Channel		647000	656000	665000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	18.98	19.09	19.02	20.1	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		16.43			
100	1/2 BPSK	1	137		16.48		17.1	0.0
100	1/2 BPSK	1	271		16.43			
100	1/2 BPSK	135	0		16.42		17.1	0.0
100	1/2 BPSK	135	69		16.46		17.1	0.0
100	1/2 BPSK	135	138		16.52		17.1	0.0
100	1/2 BPSK	270	0		16.48			
100	QPSK	1	1		16.54			
100	QPSK	1	137		16.52		17.1	0.0
100	QPSK	1	271		16.51			
100	QPSK	135	0		16.47		17.1	0.0
100	QPSK	135	69		16.53		17.1	0.0
100	QPSK	135	138		16.45		17.1	0.0
100	QPSK	270	0		16.52			
100	16QAM	1	1		16.51		17.1	0.0
100	64QAM	1	1		16.48		17.1	0.0
100	256QAM	1	1		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	650000	651000	Tune-up	MPR
		Frequency (MHz)		3735.00	3750	3765	limit	(dB)
70	QPSK	1	1	16.37	16.34	16.41	17.1	0.0
		Channel		648668	650000	651334	Tune-up	MPR
		Frequency (MHz)		3730.02	3750	3770.01	limit	(dB)
60	QPSK	1	1	16.27	16.35	16.48	17.1	0.0
		Channel		648334	650000	651668	Tune-up	MPR
		Frequency (MHz)		3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	16.38	16.36	16.50	17.1	0.0
		Channel		648000	650000	652000	Tune-up	MPR
		Frequency (MHz)		3720.00	3750	3780	limit	(dB)
40	QPSK	1	1	16.27	16.48	16.38	17.1	0.0
		Channel		647668	650000	652334	Tune-up	MPR
		Frequency (MHz)		3715.02	3750	3785.01	limit	(dB)
30	QPSK	1	1	16.26	16.36	16.47	17.1	0.0
		Channel		647500	650000	652500	Tune-up	MPR
		Frequency (MHz)		3712.45	3750	3787.45	limit	(dB)
25	QPSK	1	1	16.28	16.48	16.51	17.1	0.0
		Channel		647334	650000	652668	Tune-up	MPR
		Frequency (MHz)		3710.01	3750	3790.02	limit	(dB)
20	QPSK	1	1	16.33	16.45	16.42	17.1	0.0
		Channel		647168	650000	652834	Tune-up	MPR
		Frequency (MHz)		3707.52	3750	3792.51	limit	(dB)
15	QPSK	1	1	16.29	16.44	16.48	17.1	0.0
		Channel		647000	650000	653000	Tune-up	MPR
		Frequency (MHz)		3705.00	3750	3795	limit	(dB)
10	QPSK	1	1	16.38	16.48	16.53	17.1	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		19.51			
100	1/2 BPSK	1	137		19.49		20.1	0.0
100	1/2 BPSK	1	271		19.50			
100	1/2 BPSK	135	0		19.39		20.1	0.0
100	1/2 BPSK	135	69		19.45		20.1	0.0
100	1/2 BPSK	135	138		19.44		20.1	0.0
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	64QAM	1	1		19.53		20.1	0.0
100	256QAM	1	1		19.50		20.1	0.0
Channel				649668	650000	650334	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)
90	QPSK	1	1	19.57	19.40	19.49	20.1	0.0
Channel				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				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				648668	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				648334	650000	651668	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)
50	QPSK	1	1	19.48	19.38	19.40	20.1	0.0
Channel				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				647668	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				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				647334	650000	652668	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3792.02	limit	(dB)
20	QPSK	1	1	19.35	19.36	19.48	20.1	0.0
Channel				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				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

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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)								
100	1/2 BPSK	1	1	3750	3840	3930		
				21.57	21.56	21.55		
100	1/2 BPSK	1	137	21.52	21.61	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	64QAM	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								
Frequency (MHz)								
				649668	656000	662334	Tune-up	MPR
				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	21.43	21.62	21.57	22.6	0.0
				649334	656000	662068	Tune-up	MPR
Channel								
Frequency (MHz)								
				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	21.59	21.61	21.46	22.6	0.0
				649000	656000	663000	Tune-up	MPR
Channel								
Frequency (MHz)								
				3735	3840	3945	limit	(dB)
70	QPSK	1	1	21.54	21.54	21.58	22.6	0.0
				648668	656000	663334	Tune-up	MPR
Channel								
Frequency (MHz)								
				3729.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	21.47	21.57	21.56	22.6	0.0
				648334	656000	663668	Tune-up	MPR
Channel								
Frequency (MHz)								
				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	21.53	21.56	21.53	22.6	0.0
				648000	656000	664000	Tune-up	MPR
Channel								
Frequency (MHz)								
				3720	3840	3960	limit	(dB)
40	QPSK	1	1	21.57	21.58	21.51	22.6	0.0
				647668	656000	664334	Tune-up	MPR
Channel								
Frequency (MHz)								
				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	21.58	21.59	21.46	22.6	0.0
				647500	656000	664500	Tune-up	MPR
Channel								
Frequency (MHz)								
				3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	21.49	21.60	21.49	22.6	0.0
				647334	656000	664668	Tune-up	MPR
Channel								
Frequency (MHz)								
				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	21.47	21.48	21.47	22.6	0.0
				647168	656000	664834	Tune-up	MPR
Channel								
Frequency (MHz)								
				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	21.55	21.53	21.54	22.6	0.0
				647000	656000	665000	Tune-up	MPR
Channel								
Frequency (MHz)								
				3705	3840	3975	limit	(dB)
10	QPSK	1	1	21.49	21.53	21.54	22.6	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	656000	662000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
				24.59	24.63	24.53		
100	1/2 BPSK	1	137	24.50	24.64	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	24.51	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	24.58		
100	16QAM	1	1	24.59	24.53	24.50	25.6	0.0
100	64QAM	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								
Frequency (MHz)								
				649668	656000	662334	Tune-up	MPR
				3745.02	3840	3935.01	limit	(dB)
90	QPSK	1	1	24.50	24.57	24.58	25.6	0.0
				649334	656000	662068	Tune-up	MPR
Channel								
Frequency (MHz)								
				3740.01	3840	3940.02	limit	(dB)
80	QPSK	1	1	24.53	24.65	24.51	25.6	0.0
				649000	656000	663000	Tune-up	MPR
Channel								
Frequency (MHz)								
				3735	3840	3945	limit	(dB)
70	QPSK	1	1	24.63	24.58	24.55	25.6	0.0
				648668	656000	663334	Tune-up	MPR
Channel								
Frequency (MHz)								
				3730.02	3840	3950.01	limit	(dB)
60	QPSK	1	1	24.50	24.66	24.60	25.6	0.0
				648334	656000	663668	Tune-up	MPR
Channel								
Frequency (MHz)								
				3725.01	3840	3955.02	limit	(dB)
50	QPSK	1	1	24.53	24.59	24.43	25.6	0.0
				648000	656000	664000	Tune-up	MPR
Channel								
Frequency (MHz)								
				3720	3840	3960	limit	(dB)
40	QPSK	1	1	24.51	24.56	24.63	25.6	0.0
				647668	656000	664334	Tune-up	MPR
Channel								
Frequency (MHz)								
				3715.02	3840	3965.01	limit	(dB)
30	QPSK	1	1	24.62	24.57	24.50	25.6	0.0
				647500	656000	664500	Tune-up	MPR
Channel								
Frequency (MHz)								
				3712.5	3840	3967.5	limit	(dB)
25	QPSK	1	1	24.60	24.52	24.55	25.6	0.0
				647334	656000	664668	Tune-up	MPR
Channel								
Frequency (MHz)								
				3710.01	3840	3970.02	limit	(dB)
20	QPSK	1	1	24.68	24.65	24.51	25.6	0.0
				647168	656000	664834	Tune-up	MPR
Channel								
Frequency (MHz)								
				3707.52	3840	3972.51	limit	(dB)
15	QPSK	1	1	24.55	24.60	24.47	25.6	0.0
				647000	656000	665000	Tune-up	MPR
Channel								
Frequency (MHz)								
				3705	3840	3975	limit	(dB)
10	QPSK	1	1	24.65	24.60	24.58	25.6	0.0

Part270 n78 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	650000		
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3750	3750		
				21.46	21.46	21.45		
100	1/2 BPSK	1	137	21.45	21.45	21.45	22.6	0.0
100	1/2 BPSK	1	271	21.48	21.48	21.48		

Part270 n78 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	650000			
Frequency (MHz)				3750	3750	3750			
100	1/2 BPSK	1	1		24.40			25.6	0.0
100	1/2 BPSK	1	137		24.45				
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		25.6	0.0	
100	1/2 BPSK	270	0		24.42			25.6	0.0
100	QPSK	1	1		24.47				
100	QPSK	1	137		24.45				
100	QPSK	1	271		24.41		25.6	0.0	
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			25.6	0.0
100	16QAM	1	1		24.31		25.6		
100	64QAM	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				647500	650000	652500	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1	24.43	24.43	24.30	25.6	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
20	QPSK	1	1	24.35	24.32	24.34	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	



<2.4GHz WLAN>

Ant#1		Full Power/tx diversity		Head Stations		Body-worn/In-loop Stations		Extremity Stations	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Average power (dBm)	Time-to-Loss (sec)	Average power (dBm)	Time-to-Loss (sec)	Time-to-Loss (sec)	Duty Cycle %
802.11a Mbps	1	2412	22.94	24.00	17.81	19.50	17.35	19.00	20.26
	6	2437	21.35	22.00	18.28	19.50	17.37	19.00	22.29
	11	2462	18.83	20.00	18.02	19.50	17.43	19.00	18.33
	16	2487	22.02	23.00	-	19.50	-	-	-
	18	2493	20.77	22.00	-	19.50	-	-	-
802.11g Mbps	9	2424	22.94	23.00	-	19.50	-	-	-
	13	2437	20.77	22.00	-	19.50	-	-	-
	17	2448	22.94	23.00	-	19.50	-	-	-
	19	2454	20.77	22.00	-	19.50	-	-	-
	20	2457	20.77	22.00	-	19.50	-	-	-
802.11a+HT20 MCS0	1	2412	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS0	1	2412	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS9	1	2412	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS9	1	2412	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS0	6	2437	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS0	6	2437	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS9	6	2437	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS9	6	2437	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS0	11	2462	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS0	11	2462	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS9	11	2462	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS9	11	2462	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS0	16	2487	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS0	16	2487	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS9	16	2487	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS9	16	2487	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS0	18	2493	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS0	18	2493	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS9	18	2493	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS9	18	2493	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS0	19	2454	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS0	19	2454	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS9	19	2454	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS9	19	2454	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS0	20	2457	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS0	20	2457	19.85	21.00	-	19.50	-	-	-
802.11a+HT20 MCS9	20	2457	21.81	23.00	-	19.50	-	-	-
802.11a+HT40 MCS9	20	2457	19.85	21.00	-	19.50	-	-	-

<2.5GHz WLAN>

		High Power/tx diversity							
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Loss (sec)	Average power (dBm)	Time-to-Loss (sec)	Average power (dBm)	Time-to-Loss (sec)	Duty Cycle %
802.11a Mbps	36	5180	18.17	17.00	-	19.50	-	17.00	-
	40	5205	18.35	20.00	-	19.50	-	17.00	-
	44	5220	18.35	20.00	-	19.50	-	17.00	-
	48	5245	18.35	20.00	-	19.50	-	17.00	-
	52	5270	18.35	20.00	-	19.50	-	17.00	-
802.11a+HT20 MCS0	36	5180	17.32	19.00	-	19.50	-	17.00	-
	40	5205	17.32	19.00	-	19.50	-	17.00	-
	44	5220	17.32	19.00	-	19.50	-	17.00	-
	48	5245	17.32	19.00	-	19.50	-	17.00	-
	52	5270	17.32	19.00	-	19.50	-	17.00	-
802.11a+HT40 MCS0	36	5180	17.32	19.00	-	19.50	-	17.00	-
	40	5205	17.32	19.00	-	19.50	-	17.00	-
	44	5220	17.32	19.00	-	19.50	-	17.00	-
	48	5245	17.32	19.00	-	19.50	-	17.00	-
	52	5270	17.32	19.00	-	19.50	-	17.00	-
802.11a+HT20 MCS9	36	5180	18.35	20.00	-	19.50	-	17.00	-
	40	5205	18.35	20.00	-	19.50	-	17.00	-
	44	5220	18.35	20.00	-	19.50	-	17.00	-
	48	5245	18.35	20.00	-	19.50	-	17.00	-
	52	5270	18.35	20.00	-	19.50	-	17.00	-
802.11a+HT40 MCS9	36	5180	18.35	20.00	-	19.50	-	17.00	-
	40	5205	18.35	20.00	-	19.50	-	17.00	-
	44	5220	18.35	20.00	-	19.50	-	17.00	-
	48	5245	18.35	20.00	-	19.50	-	17.00	-
	52	5270	18.35	20.00	-	19.50	-	17.00	-
802.11a+HT20 MCS0	42	5210	11.35	13.00	-	13.00	-	17.00	-
	46	5235	11.35	13.00	-	13.00	-	17.00	-
	50	5250	11.35	13.00	-	13.00	-	17.00	-
	54	5275	11.35	13.00	-	13.00	-	17.00	-
	58	5300	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT40 MCS0	42	5210	11.35	13.00	-	13.00	-	17.00	-
	46	5235	11.35	13.00	-	13.00	-	17.00	-
	50	5250	11.35	13.00	-	13.00	-	17.00	-
	54	5275	11.35	13.00	-	13.00	-	17.00	-
	58	5300	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT20 MCS9	42	5210	11.35	13.00	-	13.00	-	17.00	-
	46	5235	11.35	13.00	-	13.00	-	17.00	-
	50	5250	11.35	13.00	-	13.00	-	17.00	-
	54	5275	11.35	13.00	-	13.00	-	17.00	-
	58	5300	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT40 MCS9	42	5210	11.35	13.00	-	13.00	-	17.00	-
	46	5235	11.35	13.00	-	13.00	-	17.00	-
	50	5250	11.35	13.00	-	13.00	-	17.00	-
	54	5275	11.35	13.00	-	13.00	-	17.00	-
	58	5300	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT20 MCS0	62	5325	11.35	13.00	-	13.00	-	17.00	-
	66	5350	11.35	13.00	-	13.00	-	17.00	-
	70	5375	11.35	13.00	-	13.00	-	17.00	-
	74	5400	11.35	13.00	-	13.00	-	17.00	-
	78	5425	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT40 MCS0	62	5325	11.35	13.00	-	13.00	-	17.00	-
	66	5350	11.35	13.00	-	13.00	-	17.00	-
	70	5375	11.35	13.00	-	13.00	-	17.00	-
	74	5400	11.35	13.00	-	13.00	-	17.00	-
	78	5425	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT20 MCS9	62	5325	11.35	13.00	-	13.00	-	17.00	-
	66	5350	11.35	13.00	-	13.00	-	17.00	-
	70	5375	11.35	13.00	-	13.00	-	17.00	-
	74	5400	11.35	13.00	-	13.00	-	17.00	-
	78	5425	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT40 MCS9	62	5325	11.35	13.00	-	13.00	-	17.00	-
	66	5350	11.35	13.00	-	13.00	-	17.00	-
	70	5375	11.35	13.00	-	13.00	-	17.00	-
	74	5400	11.35	13.00	-	13.00	-	17.00	-
	78	5425	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT20 MCS0	82	5450	11.35	13.00	-	13.00	-	17.00	-
	86	5475	11.35	13.00	-	13.00	-	17.00	-
	90	5500	11.35	13.00	-	13.00	-	17.00	-
	94	5525	11.35	13.00	-	13.00	-	17.00	-
	98	5550	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT40 MCS0	82	5450	11.35	13.00	-	13.00	-	17.00	-
	86	5475	11.35	13.00	-	13.00	-	17.00	-
	90	5500	11.35	13.00	-	13.00	-	17.00	-
	94	5525	11.35	13.00	-	13.00	-	17.00	-
	98	5550	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT20 MCS9	82	5450	11.35	13.00	-	13.00	-	17.00	-
	86	5475	11.35	13.00	-	13.00	-	17.00	-
	90	5500	11.35	13.00	-	13.00	-	17.00	-
	94	5525	11.35	13.00	-	13.00	-	17.00	-
	98	5550	11.35	13.00	-	13.00	-	17.00	-
802.11a+HT40 MCS9	82	5450	11.35	13.00	-	13.00	-	17.00	-
	86	5475	11.35	13.00	-	13.00	-	17.00	-
	90	5500	11.35	13.00	-	13.00	-	17.00	-
	94	5525	11.35	13.00	-	13.00	-	17.00	-
	98	5550	11.35	13.00	-	13.00	-	17.00	-

BT BREDR		ANT6	
Mode	Channel	Frequency (MHz)	Average power (dBm)
		11MHz	24MHz
BR / EDR	CH 00	2402	13.21
	CH 39	2441	15.30
	CH 19	2440	15.25

BLE IM		ANT6	
Mode	Channel	Frequency (MHz)	Average power (dBm)
		11MHz	24MHz
LE	CH 00	2402	9.3
	CH 19	2440	9.38
	CH 39	2441	9.35

BLE IM		ANT6	
Mode	Channel	Frequency (MHz)	Average power (dBm)
		11MHz	24MHz
LE	CH 00	2402	9.62
	CH 19	2440	9.38
	CH 39	2441	9.35

BT BREDR		ANT3	
Mode	Channel	Frequency (MHz)	Average power (dBm)
		11MHz	24MHz
BR / EDR	CH 00	2402	17.27
	CH 39	2441	16.97
	CH 19	2440	16.92

BLE IM		ANT3	
Mode	Channel	Frequency (MHz)	Average power (dBm)
		11MHz	24MHz
LE	CH 00	2402	9.7
	CH 19	2440	9.29
	CH 39	2441	9.25

BLE IM		ANT3	
Mode	Channel	Frequency (MHz)	Average power (dBm)
		11MHz	24MHz
LE	CH 00	2402	9.69
	CH 19	2440	9.62
	CH 39	2441	9.59