



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

GSM850 ANTO Default power								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
Tx Channel	124.2	83.4	84.8		80.2	83.4	84.8	
Frequency (MHz)	32.20	32.07	32.05	33.50	23.20	23.07	23.05	24.50
GSM 1 Tx slot	32.19	32.05	32.02	33.50	23.19	23.05	23.02	24.50
GPRS 2 Tx slots	31.11	30.84	30.71	32.00	25.11	24.84	24.71	26.00
GPRS 3 Tx slots	29.71	29.46	29.42	30.90	25.45	25.20	25.16	26.64
GPRS 4 Tx slots	28.01	27.71	27.65	29.50	25.01	24.71	24.65	26.50
EDGE 1 Tx slot	25.91	25.96	26.01	27.00	16.91	16.96	17.01	18.00
EDGE 3 Tx slots	24.49	25.10	24.86	26.50	16.89	19.10	18.86	20.50
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50

GSM1900 ANTO Default power								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Tx Channel	152.2	150.8	150.3		150.2	150.0	150.3	
Frequency (MHz)	29.47	29.86	29.56	30.50	20.47	20.86	20.56	21.50
GSM 1 Tx slot	29.46	29.85	29.53	30.50	20.46	20.85	20.53	21.50
GPRS 2 Tx slots	27.18	27.45	27.21	28.50	21.18	21.45	21.21	22.50
GPRS 3 Tx slots	25.81	26.03	26.01	27.40	21.55	21.77	21.75	23.14
GPRS 4 Tx slots	24.25	24.41	24.25	25.50	21.25	21.41	21.25	22.50
EDGE 1 Tx slot	25.45	25.60	25.54	26.50	16.45	16.60	16.54	17.50
EDGE 2 Tx slots	24.53	24.15	24.17	25.50	16.53	18.15	18.17	19.50
EDGE 3 Tx slots	22.86	23.01	22.62	24.50	16.30	18.75	18.36	20.24
EDGE 4 Tx slots	21.27	21.32	21.17	22.50	18.27	18.32	18.17	19.50

Band	WCDMA II ANTO Default power			Tune-up Limit (dBm)	WCDMA IV ANTO Default power			Tune-up Limit (dBm)	WCDMA V ANTO Default power			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9500	9538		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	22.66	22.72	22.70	24.00	22.95	23.05	22.97	24.00	23.64	23.71	23.64	24.00
3GPP Rel 99	AMR 12.2Kbps	22.67	22.75	22.71	24.00	22.97	23.06	23.00	24.00	23.69	23.72	23.65	24.00
3GPP Rel 6	HSDPA Subtest-1	21.70	21.83	21.83	23.00	21.95	22.08	21.88	23.00	21.60	21.66	21.69	23.00
3GPP Rel 6	HSDPA Subtest-2	21.55	21.86	21.94	23.00	22.04	21.97	21.97	23.00	21.67	21.55	21.49	23.00
3GPP Rel 6	HSDPA Subtest-3	21.37	21.14	21.19	22.50	21.54	21.43	21.47	22.50	21.14	21.27	21.11	22.50
3GPP Rel 6	HSDPA Subtest-4	20.92	21.23	21.17	22.50	21.56	21.48	21.47	22.50	21.04	21.19	20.86	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.99	21.78	21.91	23.00	21.87	22.02	21.83	23.00	21.73	21.57	21.65	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.88	21.88	21.92	23.00	21.86	22.00	21.69	23.00	21.49	21.78	21.49	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.37	21.14	20.94	22.50	21.39	21.29	21.42	22.50	21.39	21.34	21.22	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.06	21.35	21.18	22.50	21.47	21.58	21.41	22.50	20.95	21.28	21.08	22.50
3GPP Rel 6	HSUPA Subtest-1	21.81	21.68	21.94	23.00	21.96	21.89	21.93	23.00	21.57	21.71	21.74	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.85	19.86	21.00	20.03	20.05	19.92	21.00	19.83	19.59	19.58	21.00
3GPP Rel 6	HSUPA Subtest-3	20.78	20.74	20.49	22.00	20.98	20.76	20.91	22.00	20.59	20.85	20.53	22.00
3GPP Rel 6	HSUPA Subtest-4	19.55	19.64	19.74	21.00	20.04	19.96	19.96	21.00	19.47	19.67	19.32	21.00
3GPP Rel 6	HSUPA Subtest-5	21.56	21.78	21.91	23.00	21.99	22.09	21.93	23.00	21.51	21.77	21.81	23.00



GSM850 ANTI Default power

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
GSM850 TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.14	32.17	32.13	33.50	23.14	23.17	23.13	24.50
GPRS 1 Tx slot	32.13	32.15	32.11	33.50	23.13	23.15	23.11	24.50
GPRS 2 Tx slots	31.03	30.89	30.85	32.00	25.03	24.89	24.85	26.00
GPRS 3 Tx slots	29.11	29.13	29.08	30.90	24.85	24.87	24.82	26.64
GPRS 4 Tx slots	27.52	27.54	27.51	29.50	24.52	24.54	24.51	26.50
EDGE 1 Tx slot	25.43	25.65	25.53	27.00	18.43	18.65	18.53	19.00
EDGE 2 Tx slots	24.67	24.58	24.70	26.50	18.67	18.58	18.70	20.50
EDGE 3 Tx slots	23.19	23.15	23.12	24.50	18.93	18.89	18.86	20.24
EDGE 4 Tx slots	21.57	21.62	21.51	23.50	18.57	18.62	18.51	20.50

WCDMA V ANTI Default power

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	22.69	22.71	22.61	24.00
3GPP Rel 99 RMC 12.2Kbps	22.70	22.73	22.63	24.00
3GPP Rel 6 HSDPA Subtest-1	21.73	21.81	21.82	23.00
3GPP Rel 6 HSDPA Subtest-2	21.61	21.77	21.68	23.00
3GPP Rel 6 HSDPA Subtest-3	21.20	21.37	21.27	22.50
3GPP Rel 6 HSDPA Subtest-4	21.17	21.28	21.15	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.77	21.82	21.73	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.77	21.83	21.74	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.27	21.25	21.30	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.20	21.23	21.18	22.50
3GPP Rel 6 HSUPA Subtest-1	21.62	21.63	21.51	23.00
3GPP Rel 6 HSUPA Subtest-2	19.82	19.82	19.82	21.00
3GPP Rel 6 HSUPA Subtest-3	20.70	20.85	20.86	22.00
3GPP Rel 6 HSUPA Subtest-4	19.55	19.42	19.62	21.00
3GPP Rel 6 HSUPA Subtest-5	21.67	21.69	21.76	23.00



Band 2 ANTO Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Time-up limit (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.25	22.50	22.25				
20	QPSK	1	49	22.25	22.50	22.25	24	0		
20	QPSK	1	99	22.25	22.50	22.25				
20	QPSK	50	0	21.29	21.50	21.10				
20	QPSK	50	24	21.24	21.25	21.14				
20	QPSK	50	50	21.15	21.08	21.20	23	1		
20	QPSK	100	0	21.15	21.21	21.19				
20	QPSK	100	9	21.49	21.27	21.09				
20	16QAM	1	49	21.31	21.32	21.28	23	1		
20	16QAM	1	99	21.23	21.26	21.41				
20	16QAM	50	0	20.18	20.18	20.22				
20	16QAM	50	24	20.18	20.23	20.34	22	2		
20	16QAM	50	50	20.26	20.19	20.21				
20	16QAM	100	0	20.42	20.39	20.29				
20	16QAM	1	0	20.34	20.34	20.47				
20	16QAM	1	49	20.23	20.22	20.27	22	2		
20	16QAM	50	0	20.45	20.35	20.30				
20	16QAM	50	0	19.32	19.26	19.36				
20	16QAM	50	24	19.59	19.22	19.52	21	3		
20	16QAM	50	50	19.15	19.16	19.16				
20	16QAM	100	0	19.40	19.33	19.30				
20	256QAM	1	0	17.26	17.34	17.38				
20	256QAM	1	49	17.48	17.38	17.51	19	5		
20	256QAM	1	99	17.26	17.26	17.36				
20	256QAM	50	0	17.26	17.26	17.36				
20	256QAM	50	24	17.38	17.31	17.27	19	5		
20	256QAM	50	50	17.40	17.39	17.49				
20	256QAM	100	0	17.20	17.20	17.20				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.17	22.23	22.18				
15	QPSK	1	37	22.18	22.18	22.21	24	0		
15	QPSK	1	74	22.09	22.15	22.07				
15	QPSK	36	0	21.21	21.31	21.60				
15	QPSK	36	25	21.18	21.18	21.09				
15	QPSK	36	39	21.00	21.04	21.09	23	1		
15	QPSK	75	0	21.11	21.16	21.14				
15	QPSK	75	0	21.35	21.32	21.32				
15	16QAM	1	37	21.30	21.20	21.25	23	1		
15	16QAM	1	74	21.30	21.26	21.28				
15	16QAM	36	0	20.06	20.05	20.12				
15	16QAM	36	29	20.13	20.11	20.28	22	2		
15	16QAM	36	39	20.06	20.05	20.12				
15	16QAM	75	0	20.34	20.18	20.26				
15	16QAM	1	0	20.30	20.21	20.37				
15	16QAM	1	37	20.15	20.15	20.20	22	2		
15	16QAM	1	74	20.32	20.25	20.25				
15	16QAM	36	0	19.27	19.19	19.25				
15	16QAM	36	39	19.27	19.19	19.25				
15	16QAM	36	39	19.11	19.05	19.02	21	3		
15	16QAM	75	0	19.29	19.25	19.17				
15	256QAM	1	0	17.32	17.32	17.32				
15	256QAM	1	37	17.31	17.29	17.31	19	5		
15	256QAM	1	74	17.17	17.19	17.22				
15	256QAM	36	0	17.15	17.15	17.15				
15	256QAM	36	29	17.32	17.21	17.14	19	5		
15	256QAM	36	39	17.38	17.32	17.36				
15	256QAM	75	0	17.08	17.11	17.15				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.18	22.14	22.14				
10	QPSK	1	25	22.18	22.14	22.08	24	0		
10	QPSK	1	49	22.15	22.11	22.05				
10	QPSK	36	0	21.25	21.25	21.25				
10	QPSK	36	12	21.10	21.17	21.09				
10	QPSK	36	25	21.10	21.08	21.14	23	1		
10	QPSK	75	0	21.37	21.32	21.33				
10	16QAM	1	25	21.24	21.24	21.23	23	1		
10	16QAM	1	49	21.24	21.16	21.28				
10	16QAM	25	0	20.10	20.06	20.13				
10	16QAM	25	0	20.07	20.13	20.29	22	2		
10	16QAM	25	12	20.23	20.18	20.08				
10	16QAM	50	0	20.34	20.24	20.27				
10	16QAM	1	0	20.29	20.30	20.33				
10	16QAM	1	25	20.15	20.15	20.20	22	2		
10	16QAM	1	49	20.34	20.22	20.34				
10	16QAM	25	0	19.27	19.14	19.32				
10	16QAM	25	12	19.17	19.07	19.08	21	3		
10	16QAM	50	0	19.34	19.22	19.22				
10	256QAM	1	0	17.25	17.25	17.25				
10	256QAM	1	25	17.41	17.25	17.38	19	5		
10	256QAM	1	49	17.14	17.14	17.27				
10	256QAM	25	0	17.10	17.06	17.08				
10	256QAM	25	12	17.32	17.28	17.16	19	5		
10	256QAM	25	25	17.46	17.38	17.40				
10	256QAM	50	0	17.07	17.13	17.15				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.13	22.14	22.14				
5	QPSK	1	12	22.16	22.13	22.09	24	0		
5	QPSK	1	24	22.14	22.12	22.10				
5	QPSK	12	0	21.18	21.32	21.08				
5	QPSK	12	7	21.12	21.13	21.07	23	1		
5	QPSK	12	13	21.11	21.03	21.06				
5	QPSK	25	0	21.11	21.18	21.14				
5	16QAM	1	0	21.40	21.32	21.31				
5	16QAM	1	12	21.27	21.18	21.21	23	1		
5	16QAM	12	0	20.16	20.06	20.07				
5	16QAM	12	7	20.09	20.11	20.35	22	2		
5	16QAM	12	13	20.13	20.05	20.07				
5	16QAM	25	0	20.39	20.30	20.32				
5	16QAM	1	0	20.27	20.28	20.40				
5	16QAM	1	12	20.19	20.19	20.23	22	2		
5	16QAM	1	24	20.37	20.16	20.28				
5	16QAM	12	0	19.18	19.19	19.29				
5	16QAM	12	7	19.20	19.16	19.21	21	3		
5	16QAM	12	13	19.02	19.07	19.10				
5	16QAM	25	0	19.33	19.22	19.24				
5	256QAM	1	0	17.26	17.29	17.24				
5	256QAM	1	12	17.42	17.22	17.37	19	5		
5	256QAM	1	24	17.11	17.21	17.22				
5	256QAM	12	0	17.19	17.13	17.20				
5	256QAM	12	7	17.34	17.28	17.15	19	5		
5	256QAM	12	13	17.38	17.33	17.35				
5	256QAM	25	0	17.11	17.18	17.11				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.18	22.23	22.15				
3	QPSK	1	8	22.18	22.22	22.08	24	0		
3	QPSK	1	14	22.14	22.05	22.08				
3	QPSK	8	0	21.15	21.28	21.05				
3	QPSK	8	4	21.17	21.13	21.07	23	1		
3	QPSK	8	7	21.02	21.04	21.09				
3	QPSK	15	0	21.07	21.14	21.13				
3	16QAM	1	0	21.41	21.30	21.29	23	1		
3	16QAM	1	8	21.25	21.26	21.24				
3	16QAM	1	14	21.10	21.13	21.04				
3	16QAM	8	0	20.11	20.05	20.07	22	2		
3	16QAM	8	4	20.04	20.09	20.30				
3	16QAM	15	0	20.14	20.14	20.10				
3	16QAM	1	0	20.31	20.27	20.37				
3	16QAM	1	8	20.25	20.29	20.36	22	2		
3	16QAM	8	0	20.30	20.19	20.23				
3	16QAM	8	4	20.41	20.20	20.29				
3	16QAM	8	8	19.20	19.21	19.24				
3	16QAM									



Band 13 ANTO Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)	
Channel									
762									
10	QPSK	1	0	24.17	24.17	24.17	25	0	
10	QPSK	1	26	24.17	24.17	24.17			
10	QPSK	1	49	24.24	24.24	24.24			
10	QPSK	25	0	23.33	23.33	23.33	24	1	
10	QPSK	25	26	23.27	23.27	23.27			
10	QPSK	25	28	23.30	23.30	23.30			
10	QPSK	50	0	23.24	23.24	23.24			
10	16QAM	1	0	23.29	23.29	23.29	24	1	
10	16QAM	1	26	23.45	23.45	23.45			
10	16QAM	1	49	23.51	23.51	23.51			
10	16QAM	25	0	22.29	22.29	22.29			
10	16QAM	25	12	22.32	22.32	22.32	23	2	
10	16QAM	25	29	22.40	22.40	22.40			
10	16QAM	50	0	22.25	22.25	22.25			
10	64QAM	1	0	22.42	22.42	22.42			
10	64QAM	1	26	22.46	22.46	22.46	23	2	
10	64QAM	1	49	22.58	22.58	22.58			
10	64QAM	25	0	21.45	21.45	21.45			
10	64QAM	25	12	21.56	21.56	21.56	22	3	
10	64QAM	25	29	21.56	21.56	21.56			
10	64QAM	50	0	21.41	21.41	21.41			
10	256QAM	1	0	19.60	19.60	19.60			
10	256QAM	1	26	19.37	19.37	19.37	20	5	
10	256QAM	1	49	19.52	19.52	19.52			
10	256QAM	25	12	19.20	19.20	19.20			
10	256QAM	25	29	19.31	19.31	19.31	20	5	
10	256QAM	25	25	19.43	19.43	19.43			
10	256QAM	50	0	19.20	19.20	19.20			
Channel									
2305									
5	QPSK	1	0	24.30	24.17	24.26	25	0	
5	QPSK	1	12	24.13	24.06	24.19			
5	QPSK	1	24	24.11	24.16	24.14			
5	QPSK	12	0	23.38	23.26	23.29			
5	QPSK	12	7	23.36	23.22	23.27	24	1	
5	QPSK	12	13	23.31	23.19	23.26			
5	QPSK	25	0	23.09	23.14	23.14			
5	16QAM	1	0	23.58	23.54	23.54	24	1	
5	16QAM	1	12	23.49	23.31	23.39			
5	16QAM	1	26	23.49	23.37	23.39			
5	16QAM	12	0	22.28	22.18	22.21			
5	16QAM	12	7	22.28	22.17	22.15	23	2	
5	16QAM	12	13	22.25	22.20	22.27			
5	16QAM	25	0	22.17	22.11	22.18			
5	64QAM	1	0	22.35	22.34	22.41	23	2	
5	64QAM	1	12	22.42	22.36	22.46			
5	64QAM	1	24	22.39	22.18	22.31			
5	64QAM	12	0	21.38	21.35	21.47			
5	64QAM	12	7	21.41	21.30	21.46	22	3	
5	64QAM	12	13	21.35	21.22	21.19			
5	64QAM	25	0	21.30	21.26	21.27			
5	256QAM	1	0	19.62	19.43	19.47			
5	256QAM	1	12	19.38	19.25	19.23	20	5	
5	256QAM	1	24	19.52	19.48	19.61			
5	256QAM	12	0	19.37	19.26	19.24			
5	256QAM	12	7	19.29	19.24	19.34	20	5	
5	256QAM	12	13	19.46	19.36	19.32			
5	256QAM	25	0	19.36	19.21	19.28			

Band 66 ANTO Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)	
Channel									
1790									
20	QPSK	1	0	22.84	22.48	22.58	24	0	
20	QPSK	1	49	22.87	22.52	22.59			
20	QPSK	1	99	22.49	22.53	22.55			
20	QPSK	50	0	21.60	21.60	21.62	23	1	
20	QPSK	50	24	21.55	21.59	21.64			
20	QPSK	50	50	21.46	21.46	21.43			
20	QPSK	100	0	21.67	21.76	21.66			
20	16QAM	1	0	21.47	21.52	21.64	23	1	
20	16QAM	1	49	21.83	21.68	21.78			
20	16QAM	1	99	21.80	21.55	21.68			
20	16QAM	50	0	20.70	20.58	20.56			
20	16QAM	50	24	20.83	20.52	20.59	22	2	
20	16QAM	50	50	20.45	20.47	20.44			
20	16QAM	100	0	20.61	20.59	20.77			
20	64QAM	1	0	20.63	20.55	20.58			
20	64QAM	1	49	20.53	20.73	20.82	22	2	
20	64QAM	1	99	20.68	20.64	20.78			
20	64QAM	50	0	19.73	19.52	19.52			
20	64QAM	50	24	19.76	19.78	19.82	21	3	
20	64QAM	50	50	19.54	19.53	19.65			
20	64QAM	100	0	19.66	19.71	19.68			
20	256QAM	1	0	17.71	17.70	17.82			
20	256QAM	1	49	17.48	17.50	17.47	19	5	
20	256QAM	1	99	17.71	17.66	17.67			
20	256QAM	50	0	17.75	17.74	17.86			
20	256QAM	50	24	17.81	17.69	17.65	19	5	
20	256QAM	50	50	17.86	17.82	17.87			
20	256QAM	100	0	17.68	17.71	17.80			
Channel									
13027									
15	QPSK	1	0	22.59	22.36	22.46	24	0	
15	QPSK	1	37	22.08	22.48	22.52			
15	QPSK	1	74	22.34	22.46	22.41			
15	QPSK	36	0	21.51	21.53	21.48	23	1	
15	QPSK	36	20	21.50	21.42	21.40			
15	QPSK	36	36	21.41	21.42	21.30			
15	QPSK	75	0	21.59	21.68	21.68			
15	16QAM	1	0	21.41	21.41	21.57	23	1	
15	16QAM	1	37	21.51	21.83	21.68			
15	16QAM	1	74	21.55	21.47	21.44			
15	16QAM	36	0	20.81	20.49	20.52			
15	16QAM	36	20	20.56	20.48	20.51	22	2	
15	16QAM	36	36	20.58	20.57	20.58			
15	16QAM	75	0	20.47	20.51	20.66			
15	64QAM	1	0	20.52	20.48	20.50	22	2	
15	64QAM	1	37	20.76	20.67	20.73			
15	64QAM	1	74	20.56	20.50	20.53			
15	64QAM	36	0	19.51	19.51	19.50			
15	64QAM	36	20	19.62	19.66	19.67	21	3	
15	64QAM	36	36	19.51	19.44	19.55			
15	64QAM	75	0	19.56	19.64	19.58			
15	256QAM	1	0	17.61	17.59	17.67			
15	256QAM	1	37	17.36	17.44	17.40	19	5	
15	256QAM	1	74	17.56	17.62	17.52			
15	256QAM	36	0	17.61	17.62	17.51			
15	256QAM	36	20	17.56	17.53	17.59	19	5	
15	256QAM	36	36	17.62	17.73	17.79			
15	256QAM	75	0	17.58	17.66	17.68			
Channel									
13092									
10	QPSK	1	0	22.57	22.47	22.44	24	0	
10	QPSK	1	25	22.58	22.56	22.55			
10	QPSK	1	49	22.44	22.49	22.44			
10	QPSK	25	0	21.54	21.59	21.49	23	1	
10	QPSK	25	12	21.47	21.51	21.61			
10	QPSK	25	25	21.43	21.32	21.29			
10	QPSK	50	0	21.54	21.66	21.64			
10	16QAM	1	0	21.38	21.38	21.57	23	1	
10	16QAM	1	26	21.54	21.59	21.63			
10	16QAM	1	49	21.54	21.52	21.68			
10	16QAM	25	0	20.65	20.47	20.58			
10	16QAM	25	12	20.51	20.48	20.44	22	2	
10	16QAM	25	25	20.52	20.34	20.38			
10	16QAM	50	0	20.54	20.55	20.74			
10	64QAM	1	0	20.51	20.49	20.51	22	2	
10	64QAM	1	26	20.76	20.62	20.75			
10	64QAM	1	49	20.55	20.56	20.67			
10	64QAM	25	0	19.59	19.59	19.54			
10	64QAM	25	12	19.63	19.66	19.60	21	3	
10	64QAM	25	25	19.41	19.43	19.52			
10	64QAM	50	0	19.53	19.63	19.55			
10	256QAM	1	0	17.62	17.66	17.77			
10	256QAM	1	25	17.39	17.47	17.33	19	5	
10	256QAM	1	49	17.66	17.55	17.56			
10	256QAM	25	0	17.69	17.63	17.55			
10	256QAM	25	12	17.69	17.55	17.60	19	5	
10	256QAM	25	25	17.60	17.70	17.72			
10	256QAM	50	0	17.54	17.63	17.75			
Channel									
13197									
5	QPSK	1	0	22.63	22.54	22.48	24	0	
5	QPSK	1	12	22.54	22.55	22.51			
5	QPSK	1	24	22.34	22.46	22.41			
5	QPSK	12	0	21.48	21.59	21.62	23	1	
5	QPSK	12	7	21.50	21.48	21.54			
5	QPSK	12	13	21.32	21.32	21.37			
5	QPSK	25	0	21.65	21.74	21.60			
5	16QAM	1	0	21.41	21.30	21.58	23	1	
5	16QAM	1	12	21.52	21.58	21.72			
5	16QAM	1	24	21.44	21.41	21.57			
5	16QAM	12	0	20.83	20.49	20.65			
5	16QAM	12	7	20.53	20.67	20.44	22	2	
5	16QAM	12	13	20.38	20.39	20.35			



Band 38 PC3 ANT0 Default power										
BW (MHz)	Modulation	Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					3760	3800	3840			
Frequency (MHz)					2585	2625	2665			
20	QPSK	1	0	0	22.99	23.04	22.95			
20	QPSK	1	49	22.92	22.97	22.93		24	0	
20	QPSK	1	99	22.85	22.89	22.86				
20	QPSK	50	0	21.98	22.03	21.97				
20	QPSK	50	24	22.01	21.95	21.94				
20	QPSK	50	50	22.07	22.06	21.97		23	1	
20	QPSK	100	0	21.83	21.88	21.76				
20	16QAM	1	0	22.14	22.11	22.18				
20	16QAM	1	49	22.18	22.03	22.13		23	1	
20	16QAM	1	99	21.93	21.95	22.00				
20	16QAM	50	0	20.91	20.90	21.09				
20	16QAM	50	24	21.16	21.04	21.03				
20	16QAM	50	50	21.10	21.01	20.97		22	2	
20	16QAM	100	0	20.83	20.85	20.85				
20	64QAM	1	0	20.95	20.81	20.85				
20	64QAM	1	49	20.90	20.88	20.98		22	2	
20	64QAM	1	99	21.09	20.95	21.06				
20	64QAM	50	0	20.09	19.98	20.07				
20	64QAM	50	24	20.19	20.02	20.03				
20	64QAM	50	50	20.16	20.12	20.11		21	3	
20	64QAM	100	0	20.02	19.93	20.01				
20	256QAM	1	0	18.11	17.88	18.00				
20	256QAM	1	49	18.04	18.03	18.09		19	5	
20	256QAM	1	99	17.96	17.84	17.88				
20	256QAM	50	0	17.76	17.73	17.78				
20	256QAM	50	24	17.86	17.87	17.86				
20	256QAM	50	50	18.07	17.94	18.09		19	5	
20	256QAM	100	0	18.02	17.91	17.95				
Channel					3765	3800	3815			
Frequency (MHz)					2590	2630	2670			
15	QPSK	1	0	22.92	22.90	22.87				
15	QPSK	1	37	22.80	22.90	22.81		24	0	
15	QPSK	1	74	22.78	22.80	22.83				
15	QPSK	36	0	21.84	22.03	21.94				
15	QPSK	36	20	21.94	21.90	21.85		23	1	
15	QPSK	36	39	21.94	22.01	21.92				
15	QPSK	75	0	21.75	21.76	21.70				
15	16QAM	1	0	22.07	21.92	22.09		23	1	
15	16QAM	1	74	21.80	21.81	21.86				
15	16QAM	36	0	20.98	20.89	21.04				
15	16QAM	36	20	21.08	21.03	20.99		22	2	
15	16QAM	36	39	21.04	20.89	20.93				
15	16QAM	75	0	20.74	20.74	20.83				
15	64QAM	1	0	20.07	20.07	20.05				
15	64QAM	1	37	20.81	20.84	20.85		22	2	
15	64QAM	1	74	21.01	20.80	20.94				
15	64QAM	36	0	19.99	19.84	19.88				
15	64QAM	36	20	20.09	20.04	19.95		21	3	
15	64QAM	36	39	20.11	20.05	19.96				
15	64QAM	75	0	19.90	19.90	19.87				
15	256QAM	1	0	18.01	17.92	17.91				
15	256QAM	1	37	18.05	18.02	18.04		19	5	
15	256QAM	1	74	17.88	17.80	17.81				
15	256QAM	36	0	17.72	17.64	17.68				
15	256QAM	36	20	17.78	17.76	17.87		19	5	
15	256QAM	36	39	17.82	17.86	17.88				
15	256QAM	75	0	17.91	17.77	17.84				
Channel					3765	3800	3820			
Frequency (MHz)					2595	2635	2675			
10	QPSK	1	0	22.85	22.90	22.85				
10	QPSK	1	25	22.84	22.84	22.85		24	0	
10	QPSK	1	49	22.73	22.79	22.75				
10	QPSK	25	0	21.92	21.99	21.83				
10	QPSK	25	0	22.03	21.98	21.84				
10	QPSK	25	25	22.03	21.98	21.91		23	1	
10	QPSK	50	0	21.71	21.84	21.85				
10	16QAM	1	0	22.07	22.06	22.11				
10	16QAM	1	25	22.08	21.98	22.07		23	1	
10	16QAM	1	49	21.85	21.85	21.97				
10	16QAM	25	0	20.84	20.89	21.01				
10	16QAM	25	12	21.13	21.00	20.91		22	2	
10	16QAM	25	25	21.04	20.97	20.83				
10	16QAM	50	0	20.77	20.76	20.80				
10	64QAM	1	0	20.84	20.73	20.82				
10	64QAM	1	25	20.93	20.86	20.87		22	2	
10	64QAM	1	49	21.02	20.82	21.06				
10	64QAM	25	0	19.98	19.94	19.97				
10	64QAM	25	12	20.13	19.97	20.02		21	3	
10	64QAM	25	25	20.06	20.04	20.05				
10	64QAM	50	0	19.91	19.80	19.90				
10	256QAM	1	0	17.97	17.92	17.92				
10	256QAM	1	25	17.90	18.00	18.00		19	5	
10	256QAM	1	49	17.86	17.71	17.74				
10	256QAM	25	0	17.61	17.60	17.67				
10	256QAM	25	12	17.83	17.72	17.85		19	5	
10	256QAM	25	25	17.95	17.84	18.03				
10	256QAM	50	0	17.96	17.81	17.84				
Channel					3775	3800	3825			
Frequency (MHz)					2595	2635	2675			
5	QPSK	1	0	22.84	23.01	22.81				
5	QPSK	1	12	22.81	22.93	22.82		24	0	
5	QPSK	1	24	22.73	22.78	22.73				
5	QPSK	12	0	21.92	22.02	21.84				
5	QPSK	12	7	21.98	21.85	21.86				
5	QPSK	12	13	21.98	21.94	21.90		23	1	
5	QPSK	25	0	21.75	21.76	21.81				
5	16QAM	1	0	22.00	21.99	22.11				
5	16QAM	1	12	22.12	21.90	22.01		23	1	
5	16QAM	1	24	21.84	21.83	21.95				
5	16QAM	12	0	20.81	20.88	20.95				
5	16QAM	12	7	21.03	20.97	20.99		22	2	
5	16QAM	12	13	21.02	20.86	20.83				
5	16QAM	25	0	20.75	20.81	20.89				
5	64QAM	1	0	20.82	20.73	20.75				
5	64QAM	1	12	20.82	20.76	20.83		22	2	
5	64QAM	1	24	20.99	20.89	20.99				
5	64QAM	12	0	19.98	19.84	19.88				
5	64QAM	12	7	20.12	20.00	19.97		21	3	
5	64QAM	12	13	20.05	20.01	20.02				
5	64QAM	25	0	19.94	19.86	19.87				
5	256QAM	1	0	17.88	17.91	17.93				
5	256QAM	1	12	17.99	17.92	18.02		19	5	
5	256QAM	1	24	17.85	17.80	17.73				
5	256QAM	12	0	17.63	17.61	17.73				
5	256QAM	12	7	17.85	17.84	17.94				
5	256QAM	12	13	17.95	17.81	18.01		19	5	
5	256QAM	25	0	17.89	17.82	17.82				

Band 38 PC2 ANT0 Default power										
BW (MHz)	Modulation	Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					3760	3800	3840			
Frequency (MHz)					2585	2625	2665			
20	QPSK	1	0	0	25.28	25.31	25.09			
20	QPSK	1	49	25.22	25.23	25.21		27	0	
20	QPSK	1	99	25.08	25.21	25.10				
20	QPSK	50	0	24.33	24.43	24.18				
20	QPSK	50	24	24.25	24.25	24.23		26	1	
20	QPSK	50	50	24.25	24.28	24.35				
20	QPSK	100	0	24.17	24.30	24.11				
20	16QAM	1	0	24.28	24.42	24.39				
20	16QAM	1	49	24.43	24.43	24.42		26	1	
20	16QAM	1	99	24.40	24.34	24.30				
20	16QAM	50	0	23.24	23.30	23.46				
20	16QAM	50	24	23.39	23.37	23.29		25	2	
20	16QAM	50	50	23.63	23.62	23.43				
20	16QAM	100	0	23.27	23.39	23.30				
20	64QAM	1	0	23.40	23.32	23.39				
20	64QAM	1	49	23.40	23.15	23.22		25	2	
20	64QAM	1	99	23.41	23.42	23.46				
20	64QAM	50	0	22.58	22.48	22.39				
20	64QAM	50	24	22.62	22.42	22.34				
20	64QAM	50	50	22.32	22.22	22.27		24	3	
20	64QAM	100	0	22.26	22.30	22.45				
20	256QAM	1	0	20.40	20.38	20.52				
20	256QAM	1	49	20.42	20.42	20.54		22	5	
20	256QAM	1	99	20.20	20.31	20.24				
20	256QAM	50	0	20.52	20.40	20.39				
20	256QAM	50	24	20.62	20.58	20.46				
20	256QAM	50	50	20.38	20.22	20.44		22	5	
20	256QAM	100	0	20.57	20.34	20.56				
Channel					3765	3800	3815			
Frequency (MHz)					2590	2630</				



Band 41 PC2 ANT0 Default power

Channel	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel							
Frequency (MHz)							
20	39750	40185	40620	41055	41490		
20	26.26	26.23	25.33	25.25	25.17		
20	49	25.26	25.27	25.26	25.12	25.19	27
20	98	25.12	25.18	25.13	25.11	25.18	
20	50	24.33	24.23	24.43	24.34	24.25	
20	24	24.36	24.39	24.34	24.37	24.35	
20	50	24.27	24.38	24.33	24.41	24.38	26
20	100	24.19	24.23	24.38	24.38	24.29	
20	1	24.58	24.70	24.62	24.77	24.75	
20	49	24.69	24.60	24.53	24.65	24.68	26
20	99	24.49	24.50	24.46	24.56	24.46	
20	50	23.46	23.46	23.44	23.46	23.49	
20	24	23.60	23.64	23.51	23.58	23.65	
20	50	23.40	23.44	23.38	23.38	23.33	
20	100	23.39	23.31	23.39	23.36	23.34	25
20	1	23.67	23.59	23.60	23.71	23.68	
20	49	23.68	23.71	23.54	23.52	23.59	25
20	99	23.67	23.70	23.61	23.71	23.70	
20	50	22.60	22.53	22.46	22.53	22.55	
20	24	22.48	22.33	22.33	22.30	22.30	
20	50	22.41	22.28	22.30	22.47	22.37	24
20	100	22.45	22.48	22.39	22.53	22.34	
20	1	20.50	20.51	20.51	20.54	20.49	22
20	49	20.50	20.38	20.39	20.47	20.37	
20	99	20.41	20.36	20.34	20.45	20.43	
20	50	20.44	20.47	20.47	20.53	20.45	
20	100	20.52	20.40	20.37	20.40		
20	1	20.42	20.37	20.25	20.32	20.35	22
20	50	20.37	20.31	20.27	20.38	20.45	
Channel							
Frequency (MHz)							
15	29225	29663	30098	30533	30968		
15	0	25.14	25.09	25.22	25.14	25.08	
15	37	25.17	25.18	25.16	25.01	25.11	27.00
15	74	25.03	25.09	25.01	25.06	25.10	
15	0	24.18	24.13	24.32	24.27	24.14	
15	36	24.24	24.32	24.20	24.29	24.28	
15	36	24.19	24.24	24.20	24.28	24.29	26
15	75	24.07	24.16	24.30	24.22	24.19	
15	1	24.50	24.63	24.53	24.64	24.63	
15	37	24.61	24.45	24.43	24.58	24.54	26
15	74	24.38	24.35	24.38	24.44	24.39	
15	36	23.36	23.33	23.33	23.31	23.37	
15	20	23.40	23.50	23.43	23.45	23.53	
15	36	23.30	23.32	23.24	23.26	23.24	25
15	75	23.25	23.21	23.25	23.27	23.28	
15	1	23.55	23.48	23.56	23.61	23.57	
15	37	23.57	23.63	23.46	23.38	23.51	25
15	74	23.54	23.56	23.47	23.62	23.62	
15	36	22.50	22.45	22.32	22.41	22.45	
15	20	22.37	22.22	22.21	22.16	22.23	
15	36	22.31	22.16	22.21	22.34	22.29	24
15	75	22.30	22.34	22.25	22.44	22.26	
15	1	20.42	20.43	20.40	20.43	20.40	22
15	37	20.38	20.28	20.27	20.34	20.28	
15	74	20.34	20.25	20.25	20.32	20.32	
15	36	20.34	20.33	20.37	20.44	20.30	
15	20	20.41	20.39	20.29	20.30	20.32	22
15	36	20.38	20.29	20.18	20.22	20.22	
15	75	20.28	20.16	20.14	20.27	20.33	
Channel							
Frequency (MHz)							
10	39700	40160	40620	41080	41540		
10	0	25.19	25.11	25.24	25.17	25.04	
10	25	25.14	25.16	25.11	25.28	25.06	27.00
10	49	25.01	25.03	25.19	25.03	25.07	
10	25	24.26	24.11	24.34	24.22	24.12	
10	12	24.22	24.31	24.24	24.25	24.27	
10	25	24.20	24.29	24.21	24.31	24.25	26
10	50	24.12	24.08	24.30	24.26	24.19	
10	1	24.49	24.57	24.46	24.66	24.67	
10	25	24.58	24.46	24.42	24.54	24.53	26
10	49	24.36	24.42	24.34	24.49	24.37	
10	25	23.33	23.34	23.30	23.33	23.41	
10	12	23.48	23.38	23.38	23.46	23.41	
10	25	23.26	23.33	23.27	23.30	23.24	25
10	50	23.28	23.21	23.30	23.23	23.26	
10	1	23.60	23.52	23.46	23.60	23.53	
10	25	23.62	23.58	23.39	23.39	23.48	25
10	49	23.58	23.61	23.51	23.62	23.61	
10	25	22.47	22.41	22.38	22.40	22.45	
10	12	22.35	22.20	22.19	22.20	22.19	24
10	25	22.30	22.16	22.16	22.26	22.24	
10	50	22.38	22.40	22.25	22.39	22.25	
10	1	20.40	20.38	20.38	20.39	20.39	22
10	25	20.35	20.23	20.29	20.35	20.23	
10	49	20.27	20.24	20.21	20.34	20.36	
10	25	20.38	20.40	20.37	20.39	20.38	
10	12	20.40	20.38	20.27	20.23	20.26	22
10	25	20.31	20.26	20.16	20.19	20.24	
10	50	20.29	20.24	20.20	20.25	20.32	
Channel							
Frequency (MHz)							
5	2488.5	2543.8	2599.3	2604.30	2687.5		
5	0	25.16	25.08	25.19	25.13	25.09	
5	12	25.13	25.18	25.18	25.09	25.11	27.00
5	24	25.04	25.06	25.01	25.04	25.10	
5	12	24.23	24.13	24.29	24.19	24.15	
5	7	24.24	24.27	24.22	24.27	24.23	
5	12	24.13	24.29	24.19	24.31	24.31	26
5	25	24.04	24.08	24.29	24.23	24.18	
5	1	24.48	24.58	24.50	24.68	24.62	
5	12	24.58	24.52	24.42	24.53	24.58	26
5	24	24.38	24.38	24.34	24.48	24.32	
5	12	23.32	23.36	23.29	23.37	23.37	
5	12	23.52	23.57	23.42	23.45	23.51	
5	12	23.26	23.30	23.31	23.27	23.23	25
5	25	23.31	23.17	23.27	23.24	23.20	
5	1	23.55	23.52	23.52	23.63	23.57	
5	12	23.51	23.63	23.40	23.39	23.51	25
5	24	23.56	23.59	23.64	23.62	23.57	
5	12	22.51	22.38	22.35	22.40	22.42	
5	7	22.37	22.19	22.21	22.19	22.15	24
5	12	22.29	22.16	22.16	22.29	22.26	
5	25	22.38	22.37	22.30	22.41	22.53	
5	1	20.38	20.44	20.43	20.48	20.38	22
5	12	20.39	20.26	20.26	20.38	20.28	
5	25	20.28	20.24	20.24	20.31	20.28	
5	12	20.29	20.38	20.39	20.41	20.33	
5	7	20.41	20.38	20.27	20.27	20.31	22
5	12	20.28	20.26	20.16	20.19	20.27	
5	25	20.22	20.23	20.17	20.27	20.38	



Band 2 AN-T1 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	MPE (dB)		
Channel										
1860 1860 1960										
20	QPSK	1	0	22.46	22.56	22.46				
20	QPSK	1	49	22.43	22.33	22.38	24	0		
20	QPSK	1	99	22.33	22.33	22.38				
20	QPSK	50	0	21.34	21.50	21.33				
20	QPSK	50	24	21.32	21.29	21.28	23	1		
20	QPSK	50	50	21.25	21.28	21.33				
20	QPSK	100	0	21.23	21.34	21.32				
20	QPSK	100	24	21.36	21.34	21.27	23	1		
20	QPSK	100	50	21.22	21.34	21.28				
20	16QAM	1	49	21.22	21.34	21.28				
20	16QAM	1	99	21.34	21.35	21.27				
20	16QAM	50	0	20.30	20.34	20.12				
20	16QAM	50	24	20.31	20.28	20.29	22	2		
20	16QAM	50	50	20.36	20.26	20.29				
20	16QAM	100	0	20.34	20.28	20.24				
20	16QAM	100	24	20.17	20.28	20.21	22	2		
20	16QAM	100	50	20.31	20.29	20.22				
20	64QAM	1	49	20.31	20.29	20.22				
20	64QAM	50	0	20.25	20.29	20.19				
20	64QAM	50	49	19.33	19.22	19.35	21	3		
20	64QAM	50	24	19.29	19.05	19.31				
20	64QAM	50	50	19.31	19.20	19.20	21	3		
20	256QAM	1	49	17.30	17.28	17.34				
20	256QAM	1	99	17.29	17.30	17.29	19	5		
20	256QAM	50	0	17.30	17.28	17.34				
20	256QAM	50	24	17.15	17.28	17.28	19	5		
20	256QAM	50	50	17.33	17.28	17.27				
20	256QAM	100	0	17.23	17.29	17.28				
Channel										
1875 1890 1925										
15	QPSK	1	0	22.29	22.32	22.28				
15	QPSK	1	37	22.27	22.28	22.28	24	0		
15	QPSK	1	74	22.18	22.28	22.31				
15	QPSK	36	0	21.27	21.22	21.12				
15	QPSK	36	25	21.12	21.20	21.09	23	1		
15	QPSK	36	39	21.14	21.20	21.15				
15	QPSK	75	0	21.16	21.18	21.28				
15	QPSK	75	0	21.24	21.18	21.23	23	1		
15	16QAM	1	37	21.07	21.17	21.18				
15	16QAM	1	74	21.06	21.09	21.10				
15	16QAM	36	0	20.13	20.07	20.10				
15	16QAM	36	25	20.21	20.19	20.19	22	2		
15	16QAM	36	39	20.25	20.20	20.20				
15	16QAM	75	0	20.23	20.15	20.13				
15	16QAM	75	0	20.07	20.28	20.20	22	2		
15	64QAM	1	37	20.26	20.21	20.21				
15	64QAM	1	74	20.26	20.21	20.25				
15	64QAM	36	0	19.16	19.13	19.12				
15	64QAM	36	25	19.36	19.16	19.16	21	3		
15	64QAM	36	39	19.05	19.21	19.24				
15	64QAM	75	0	19.18	19.13	19.16				
15	256QAM	1	37	17.30	17.29	17.30				
15	256QAM	1	74	17.27	17.27	17.23	19	5		
15	256QAM	1	74	17.29	17.30	17.28				
15	256QAM	36	0	17.36	17.31	17.31				
15	256QAM	36	25	17.13	17.21	17.32	19	5		
15	256QAM	36	39	17.28	17.33	17.16				
15	256QAM	75	0	17.23	17.30	17.28				
Channel										
1890 1890 1925										
10	QPSK	1	0	22.07	22.10	22.07				
10	QPSK	1	25	22.24	22.20	22.24	24	0		
10	QPSK	1	49	22.31	22.22	22.26				
10	QPSK	12	0	21.16	21.17	21.07				
10	QPSK	25	12	21.08	21.21	21.15	23	1		
10	QPSK	25	25	21.08	21.18	21.27				
10	QPSK	50	0	21.13	21.13	21.13				
10	16QAM	1	0	21.23	21.18	21.13	23	1		
10	16QAM	1	24	21.10	21.22	21.16				
10	16QAM	12	0	20.25	20.25	20.25				
10	16QAM	12	12	20.19	20.08	20.24	22	2		
10	16QAM	25	0	20.25	20.25	20.20				
10	16QAM	25	0	20.15	20.24	20.12				
10	16QAM	1	0	20.13	20.23	20.19	22	2		
10	64QAM	1	24	20.13	20.20	20.23				
10	64QAM	1	49	20.20	20.16	20.10				
10	64QAM	25	0	19.21	19.13	19.24				
10	64QAM	25	12	19.14	19.20	19.11	21	3		
10	64QAM	25	25	19.08	19.23	19.11				
10	64QAM	50	0	19.14	19.24	19.22				
10	256QAM	1	28	17.28	17.25	17.32	19	5		
10	256QAM	1	49	17.37	17.32	17.25				
10	256QAM	12	0	17.38	17.38	17.31				
10	256QAM	12	12	17.18	17.27	17.38	19	5		
10	256QAM	25	25	17.25	17.30	17.17				
10	256QAM	50	0	17.18	17.30	17.14				
Channel										
1895 1890 1925										
5	QPSK	1	0	22.03	22.10	22.03				
5	QPSK	1	12	22.07	22.10	22.07	24	0		
5	QPSK	1	24	22.20	22.27	22.21				
5	QPSK	12	0	21.17	21.17	21.17				
5	QPSK	12	7	21.11	21.14	21.16	23	1		
5	QPSK	12	13	21.19	21.18	21.15				
5	QPSK	25	0	21.21	21.34	21.13				
5	16QAM	1	0	21.18	21.12	21.11	23	1		
5	16QAM	1	12	21.01	21.23	21.09				
5	16QAM	12	0	21.13	21.27	21.18				
5	16QAM	12	0	20.16	20.29	20.07				
5	16QAM	12	7	20.18	20.13	20.21	22	2		
5	16QAM	12	13	20.27	20.21	20.17				
5	16QAM	25	0	20.27	20.27	20.12				
5	64QAM	1	0	20.12	20.11	20.20				
5	64QAM	1	12	20.08	20.18	20.11	22	2		
5	64QAM	1	24	20.07	20.12	20.11				
5	64QAM	12	0	19.20	19.12	19.25				
5	64QAM	12	7	19.16	19.17	19.18	21	3		
5	64QAM	12	13	19.19	19.23	19.17				
5	64QAM	25	0	19.08	19.12	19.17				
5	256QAM	1	0	17.32	17.29	17.13				
5	256QAM	1	12	17.37	17.27	17.33	19	5		
5	256QAM	1	24	17.34	17.31	17.28				
5	256QAM	12	0	17.38	17.29	17.23				
5	256QAM	12	7	17.20	17.20	17.27	19	5		
5	256QAM	12	13	17.29	17.35	17.22				
5	256QAM	25	0	17.24	17.29	17.20				
Channel										
1865 1860 1915										
3	QPSK	1	0	22.17	22.30	22.29				
3	QPSK	1	8	22.34	22.27	22.14	24	0		
3	QPSK	1	14	22.29	22.28	22.25				
3	QPSK	8	0	21.16	21.22	21.21				
3	QPSK	8	4	21.21	21.13	21.07	23	1		
3	QPSK	8	7	21.19	21.14	21.12				
3	QPSK	15	0	21.15	21.25	21.19				
3	16QAM	1	0	21.29	21.13	21.16	23	1		
3	16QAM	1	8	21.16	21.19	21.19				
3	16QAM	1	14	21.17	21.15	21.18				
3	16QAM	8	0	20.15	20.15	20.04				
3	16QAM	8	4	20.21	20.23	20.22	22	2		
3	16QAM	8	7	20.21	20.20	20.19				
3	16QAM	15	0	20.29	20.24	20.10				
3	16QAM	1	0	20.12	20.16	20.11				
3	64QAM	1	8	20.21	20.18	20.14	22	2		
3	64QAM	1	14	20.07	20.17	20.				



Band 7 ANT1 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.96	22.96	22.91	24	0		
20	QPSK	1	48	22.96	22.96	22.91				
20	QPSK	1	96	22.70	22.68	22.61				
20	QPSK	50	0	21.96	22.00	22.00				
20	QPSK	50	24	21.96	22.00	22.00				
20	QPSK	50	50	21.87	22.04	21.90	23	1		
20	QPSK	100	0	22.02	22.00	21.98				
20	16QAM	1	0	21.89	21.94	21.90				
20	16QAM	1	48	22.02	21.87	22.00	23	1		
20	16QAM	1	96	22.04	22.04	22.15				
20	16QAM	50	0	21.94	22.00	21.91				
20	16QAM	50	24	21.93	22.03	22.02	22	2		
20	16QAM	50	50	21.94	22.07	21.92				
20	16QAM	100	0	22.07	22.04	21.91				
20	16QAM	1	0	20.85	20.89	21.01				
20	16QAM	1	48	20.79	20.84	20.96	22	2		
20	16QAM	1	96	20.93	20.77	20.78				
20	16QAM	50	0	19.89	19.92	19.98				
20	16QAM	50	24	20.01	19.86	19.84				
20	16QAM	50	50	20.02	20.04	20.03	21	3		
20	16QAM	100	0	17.89	17.89	17.85				
20	256QAM	1	48	17.88	17.84	17.81	19	5		
20	256QAM	1	96	18.10	17.97	17.93				
20	256QAM	1	192	18.02	17.99	17.92				
20	256QAM	50	24	18.02	17.99	17.94	19	5		
20	256QAM	50	50	18.07	18.02	17.99				
20	256QAM	100	0	17.82	17.80	17.83				
Channel										
Frequency (MHz)										
19	QPSK	1	0	22.71	22.74	22.86	24	0		
19	QPSK	1	48	22.78	22.77	22.92				
19	QPSK	1	74	22.67	22.81	22.83				
19	QPSK	36	0	21.98	21.86	21.97				
19	QPSK	36	36	22.07	21.90	22.07	23	1		
19	QPSK	36	36	21.95	21.96	22.04				
19	16QAM	1	0	22.01	21.94	21.90				
19	16QAM	1	37	21.84	21.73	21.90	23	1		
19	16QAM	1	74	21.99	21.89	22.01				
19	16QAM	36	0	20.97	20.88	20.87				
19	16QAM	36	36	20.96	20.88	20.80	22	2		
19	16QAM	36	36	20.90	20.88	20.94				
19	16QAM	75	0	20.84	20.83	20.94				
19	16QAM	1	0	20.79	20.82	20.94	22	2		
19	16QAM	1	37	20.89	20.78	20.82				
19	16QAM	1	74	20.78	20.71	20.68				
19	16QAM	36	0	19.78	19.81	19.89				
19	16QAM	36	36	19.80	19.83	19.91				
19	16QAM	36	36	20.13	19.91	19.91	21	3		
19	16QAM	75	0	19.91	19.84	19.95				
19	256QAM	1	0	17.76	17.80	17.74				
19	256QAM	1	37	17.84	17.70	17.84	19	5		
19	256QAM	1	74	17.99	17.93	17.81				
19	256QAM	36	0	17.88	17.87	17.85				
19	256QAM	36	36	17.88	17.96	17.79	19	5		
19	256QAM	36	36	17.92	17.98	17.91				
19	256QAM	75	0	17.82	17.79	17.78				
Channel										
Frequency (MHz)										
18	QPSK	1	0	22.05	22.05	22.05	24	0		
18	QPSK	1	24	22.75	22.70	22.71				
18	QPSK	1	48	22.65	22.84	22.88				
18	QPSK	1	72	22.05	22.05	22.06				
18	QPSK	25	10	22.05	21.89	22.08				
18	QPSK	25	25	22.03	21.93	21.95	23	1		
18	16QAM	1	0	21.84	21.86	21.84				
18	16QAM	1	0	21.81	21.86	21.86	23	1		
18	16QAM	1	24	21.93	21.74	21.96				
18	16QAM	25	0	20.90	20.88	20.94				
18	16QAM	25	12	20.89	20.88	20.88	22	2		
18	16QAM	25	24	20.94	20.89	20.94				
18	16QAM	50	0	20.91	20.82	20.93				
18	16QAM	1	0	20.79	20.76	20.88				
18	16QAM	1	24	20.80	20.74	20.90	22	2		
18	16QAM	1	48	20.81	20.69	20.70				
18	16QAM	25	0	19.85	19.81	19.91				
18	16QAM	25	10	19.88	19.83	19.90				
18	16QAM	25	25	20.13	19.90	19.94	21	3		
18	16QAM	50	0	19.92	19.96	19.99				
18	256QAM	1	0	17.72	17.84	17.74				
18	256QAM	1	24	17.73	17.79	17.77	19	5		
18	256QAM	1	48	17.88	17.82	17.87				
18	256QAM	25	0	17.80	17.82	17.84				
18	256QAM	25	12	17.97	17.84	17.87	19	5		
18	256QAM	25	25	17.95	17.89	17.95				
18	256QAM	50	0	17.80	17.79	17.83				
Channel										
Frequency (MHz)										
17	QPSK	1	0	22.78	22.88	22.87	24	0		
17	QPSK	1	24	22.58	22.83	22.83				
17	QPSK	1	48	22.84	22.67	22.80				
17	QPSK	12	7	22.08	21.92	22.08	23	1		
17	QPSK	12	13	22.00	21.95	22.01				
17	16QAM	1	0	21.96	21.87	21.88				
17	16QAM	1	0	21.80	21.80	21.77	23	1		
17	16QAM	1	12	21.97	21.84	21.95				
17	16QAM	12	0	20.89	20.83	20.92				
17	16QAM	12	7	20.98	20.82	20.86	22	2		
17	16QAM	12	13	20.89	20.83	20.92				
17	16QAM	25	0	20.89	20.89	20.88				
17	16QAM	1	0	20.81	20.80	20.94	22	2		
17	16QAM	1	12	20.79	20.73	20.88				
17	16QAM	1	24	20.83	20.67	20.83				
17	16QAM	12	0	19.84	19.80	19.87				
17	16QAM	12	7	19.92	19.90	19.88				
17	16QAM	12	13	20.07	19.91	19.93	21	3		
17	16QAM	25	0	19.88	19.89	19.90				
17	256QAM	1	0	17.72	17.76	17.77				
17	256QAM	1	12	17.80	17.70	17.84	19	5		
17	256QAM	1	24	17.96	17.87	17.89				
17	256QAM	12	0	17.90	17.86	17.97				
17	256QAM	12	7	17.88	17.96	17.88	19	5		
17	256QAM	12	13	17.94	17.86	17.93				
17	256QAM	25	0	17.88	17.86	17.83				

Band 12 ANT1 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.52	24.61	24.44	25	0		
10	16QAM	1	24	24.58	24.64	24.61				
10	QPSK	1	48	24.48	24.44	24.46				
10	QPSK	25	0	23.54	23.65	23.67				
10	QPSK	25	12	23.58	23.54	23.60				
10	QPSK	25	25	23.45	23.51	23.49	24	1		
10	QPSK	50	0	23.34	23.45	23.37				
10	16QAM	1	24	23.79	23.78	23.83	24	1		
10	16QAM	1	48	23.70	23.81	23.80				
10	16QAM	25	0	22.85	22.96	22.82				
10	16QAM	25	12	22.28	22.27	22.32	23	2		
10	16QAM	25	25	22.42	22.38	22.36				
10	16QAM	50	0	22.12	22.17	22.18				
10	16QAM	1	0	22.59	22.61	22.61				
10	16QAM	1	24	22.70	22.67	22.73	23	2		
10	16QAM	1	48	22.61	22.65	22.68				
10	16QAM	25	0	21.45	21.45	21.41				
10	16QAM	25	12	21.48	21.53	21.50				



Band 26 ANT1 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.42	22.47	22.53	24	0		
15	QPSK	1	24	22.45	22.50	22.54				
15	QPSK	1	74	22.30	22.48	22.42				
15	QPSK	36	0	21.39	21.42	21.33	23	1		
15	QPSK	36	20	21.39	21.41	21.38				
15	QPSK	36	39	21.35	21.38	21.41				
15	QPSK	75	0	21.34	21.36	21.28				
15	16QAM	1	0	21.52	21.49	21.53	23	1		
15	16QAM	1	37	21.52	21.47	21.48				
15	16QAM	1	74	21.50	21.51	21.52				
15	16QAM	36	0	20.42	20.41	20.47				
15	16QAM	36	20	20.24	20.20	20.29	22	2		
15	16QAM	36	39	20.21	20.47	20.30				
15	16QAM	75	0	20.44	20.47	20.45				
15	64QAM	1	0	20.44	20.39	20.36				
15	64QAM	1	37	20.42	20.40	20.38	22	2		
15	64QAM	1	74	20.38	20.36	20.27				
15	64QAM	36	0	19.43	19.29	19.41				
15	64QAM	36	20	19.39	19.40	19.41	21	3		
15	64QAM	36	39	19.41	19.45	19.40				
15	64QAM	75	0	19.38	19.42	19.43				
15	256QAM	1	0	17.47	17.50	17.41	19	5		
15	256QAM	1	37	17.42	17.43	17.50				
15	256QAM	1	74	17.57	17.56	17.56				
15	256QAM	36	0	17.24	17.28	17.41				
15	256QAM	36	20	17.16	17.13	17.07	19	5		
15	256QAM	36	39	17.20	17.18	17.15				
15	256QAM	75	0	17.24	17.25	17.28				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.28	22.42	22.27	24	0		
10	QPSK	1	20	22.30	22.29	22.32				
10	QPSK	1	49	22.15	22.37	22.30				
10	QPSK	25	0	21.24	21.30	21.27	23	1		
10	QPSK	25	20	21.28	21.30	21.23				
10	QPSK	25	26	21.28	21.29	21.32				
10	QPSK	50	0	21.22	21.26	21.21				
10	16QAM	1	0	21.41	21.37	21.46	23	1		
10	16QAM	1	26	21.41	21.41	21.35				
10	16QAM	1	49	21.42	21.40	21.41				
10	16QAM	25	0	20.33	20.34	20.38	22	2		
10	16QAM	25	12	20.15	20.15	20.18				
10	16QAM	36	0	20.33	20.34	20.34				
10	16QAM	50	0	20.37	20.39	20.38				
10	64QAM	1	0	20.40	20.31	20.24	22	2		
10	64QAM	1	26	20.38	20.36	20.34				
10	64QAM	1	49	20.16	20.21	20.17				
10	64QAM	25	0	19.29	19.27	19.38	21	3		
10	64QAM	25	12	19.34	19.28	19.28				
10	64QAM	25	26	19.32	19.32	19.30				
10	64QAM	50	0	19.32	19.28	19.38				
10	256QAM	1	0	17.37	17.38	17.38	19	5		
10	256QAM	1	25	17.28	17.54	17.42				
10	256QAM	1	49	17.50	17.45	17.50				
10	256QAM	36	0	17.16	17.14	17.13				
10	256QAM	36	20	17.08	17.18	17.07	19	5		
10	256QAM	36	39	17.15	17.10	17.07				
10	256QAM	75	0	17.12	17.16	17.08				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.32	22.44	22.31	24	0		
5	QPSK	1	24	22.33	22.37	22.31				
5	QPSK	1	74	22.17	22.38	22.28				
5	QPSK	12	0	21.34	21.34	21.34	23	1		
5	QPSK	12	74	21.30	21.30	21.28				
5	QPSK	12	13	21.25	21.27	21.34				
5	QPSK	25	0	21.43	21.38	21.48	23	1		
5	16QAM	1	0	21.45	21.39	21.43				
5	16QAM	1	14	21.42	21.36	21.45	23	1		
5	16QAM	1	49	21.43	21.45	21.46				
5	16QAM	12	0	20.40	20.30	20.33	22	2		
5	16QAM	12	7	20.21	20.19	20.20				
5	16QAM	12	12	20.21	20.20	20.15				
5	16QAM	25	0	20.30	20.43	20.34				
5	64QAM	1	0	20.29	20.29	20.27	22	2		
5	64QAM	1	10	20.32	20.32	20.38				
5	64QAM	1	24	20.22	20.14	20.20				
5	64QAM	12	0	19.32	19.31	19.33	21	3		
5	64QAM	12	7	19.32	19.41	19.43				
5	64QAM	12	18	19.35	19.38	19.27				
5	64QAM	25	0	19.26	19.28	19.40				
5	256QAM	1	0	17.40	17.41	17.38	19	5		
5	256QAM	1	12	17.37	17.39	17.45				
5	256QAM	1	24	17.45	17.45	17.52				
5	256QAM	36	0	17.15	17.18	17.38				
5	256QAM	36	12	17.05	17.38	17.11	19	5		
5	256QAM	36	13	17.06	17.10	17.05				
5	256QAM	75	0	17.05	17.09	17.08				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.32	22.30	22.33	24	0		
3	QPSK	1	8	22.31	22.34	22.36				
3	QPSK	1	14	22.17	22.36	22.31				
3	QPSK	8	0	21.37	21.36	21.38	23	1		
3	QPSK	8	4	21.32	21.30	21.29				
3	QPSK	15	0	21.23	21.33	21.25				
3	16QAM	1	0	21.38	21.38	21.45	23	1		
3	16QAM	1	8	21.44	21.40	21.34				
3	16QAM	1	24	21.41	21.38	21.38				
3	16QAM	8	0	20.30	20.37	20.41	22	2		
3	16QAM	8	4	20.13	20.24	20.24				
3	16QAM	15	0	20.36	20.44	20.40				
3	64QAM	1	0	20.40	20.26	20.28	22	2		
3	64QAM	1	8	20.36	20.30	20.28				
3	64QAM	1	14	20.17	20.18	20.20				
3	64QAM	8	0	19.29	19.20	19.31	21	3		
3	64QAM	8	4	19.25	19.45	19.40				
3	64QAM	8	7	19.27	19.38	19.26				
3	64QAM	15	0	19.31	19.30	19.39				
3	256QAM	1	0	17.41	17.39	17.44	19	5		
3	256QAM	1	8	17.31	17.39	17.43				
3	256QAM	1	14	17.42	17.45	17.46				
3	256QAM	36	0	17.13	17.18	17.11				
3	256QAM	36	4	17.13	17.01	17.03	19	5		
3	256QAM	75	0	17.12	17.13	17.09				
3	256QAM	15	0	17.09	17.06	17.05				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.30	22.32	22.33	24	0		
1.4	QPSK	1	3	22.31	22.30	22.38				
1.4	QPSK	1	5	22.17	22.36	22.29				
1.4	QPSK	3	0	22.28	22.41	22.31	23	1		
1.4	QPSK	3	1	22.21	22.28	22.30				
1.4	QPSK	3	3	22.11	22.23	22.21				
1.4	16QAM	1	0	21.25	21.20	21.20	23	1		
1.4	16QAM	1	0	21.31	21.28	21.29				
1.4	16QAM	1	3	21.24	21.26	21.28				
1.4	16QAM	3	1	21.31	21.30	21.35	23	1		
1.4	16QAM	3	0	21.41	21.41	21.44				
1.4	16QAM	3	1	21.40	21.42	21.44				
1.4	16QAM	3	1	21.36	21.39	21.44				
1.4	16QAM	6	0	20.39	20.33	20.41	22	2		
1.4	64QAM	1	0	20.17	20.17	20.20				
1.4	64QAM	1	8	20.18	20.30	20.16				
1.4	64QAM	1	5	20.32	20.38	20.35	22	2		
1.4	64QAM	3	0	20.28						



Band 38 PC3 ANT1 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.66	22.78	22.77	24	0		
20	QPSK	1	49	22.64	22.61	22.58				
20	QPSK	1	99	22.57	22.62	22.50				
20	QPSK	50	0	21.76	21.82	21.79	23	1		
20	QPSK	50	24	21.60	21.75	21.64				
20	QPSK	50	50	21.74	21.71	21.80				
20	QPSK	100	0	21.68	21.73	21.58	23	1		
20	16QAM	1	0	21.72	21.72	21.82				
20	16QAM	1	49	21.70	21.61	21.61				
20	16QAM	1	99	21.71	21.74	21.71	22	2		
20	16QAM	50	0	20.85	20.72	20.74				
20	16QAM	50	24	20.76	20.66	20.73				
20	16QAM	50	50	20.84	20.79	20.75	22	2		
20	16QAM	100	0	20.76	20.85	20.67				
20	64QAM	1	0	20.74	20.72	20.68				
20	64QAM	1	49	20.73	20.65	20.67	22	2		
20	64QAM	1	99	20.59	20.62	20.59				
20	64QAM	50	0	19.71	19.71	19.81				
20	64QAM	50	24	19.73	19.78	19.82	21	3		
20	64QAM	50	50	19.80	19.81	19.96				
20	64QAM	100	0	19.82	19.69	19.80				
20	256QAM	1	0	17.52	17.53	17.57	19	5		
20	256QAM	1	49	17.82	17.82	17.86				
20	256QAM	1	99	17.77	17.85	17.82				
20	256QAM	50	0	17.81	17.73	17.71	19	5		
20	256QAM	50	24	17.86	17.72	17.84				
20	256QAM	50	50	17.66	17.69	17.80				
20	256QAM	100	0	17.76	17.78	17.85				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.52	22.64	22.53	24	0		
15	QPSK	1	37	22.58	22.47	22.53				
15	QPSK	1	74	22.50	22.59	22.44				
15	QPSK	36	0	21.61	21.76	21.67	23	1		
15	QPSK	36	20	21.45	21.65	21.55				
15	QPSK	36	39	21.68	21.60	21.70				
15	QPSK	75	0	21.57	21.70	21.74	23	1		
15	16QAM	1	0	21.66	21.65	21.74				
15	16QAM	1	37	21.60	21.50	21.54				
15	16QAM	1	74	21.67	21.66	21.59	22	2		
15	16QAM	36	0	20.81	20.64	20.70				
15	16QAM	36	20	20.66	20.55	20.69				
15	16QAM	36	39	20.70	20.71	20.85	22	2		
15	16QAM	75	0	20.67	20.55	20.58				
15	64QAM	1	0	20.89	20.59	20.65				
15	64QAM	1	37	20.64	20.55	20.56	22	2		
15	64QAM	1	74	20.45	20.49	20.45				
15	64QAM	36	0	19.63	19.61	19.69				
15	64QAM	36	20	19.63	19.68	19.77	21	3		
15	64QAM	36	39	19.68	19.74	19.88				
15	64QAM	75	0	19.78	19.54	19.71				
15	256QAM	1	0	17.42	17.45	17.43	19	5		
15	256QAM	1	37	17.49	17.57	17.62				
15	256QAM	1	74	17.68	17.60	17.49				
15	256QAM	36	0	17.67	17.67	17.59	19	5		
15	256QAM	36	20	17.73	17.59	17.76				
15	256QAM	36	39	17.59	17.62	17.74				
15	256QAM	75	0	17.64	17.67	17.80				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.58	22.65	22.56	24	0		
10	QPSK	1	25	22.52	22.55	22.46				
10	QPSK	1	49	22.49	22.54	22.41				
10	QPSK	25	0	21.66	21.79	21.89	23	1		
10	QPSK	25	12	21.52	21.70	21.51				
10	QPSK	25	25	21.67	21.60	21.68				
10	QPSK	50	0	21.60	21.58	21.72	23	1		
10	16QAM	1	0	21.65	21.64	21.73				
10	16QAM	1	25	21.67	21.52	21.48				
10	16QAM	1	49	21.60	21.62	21.58	22	2		
10	16QAM	25	0	20.78	20.58	20.69				
10	16QAM	25	12	20.66	20.59	20.80				
10	16QAM	25	25	20.80	20.72	20.60	22	2		
10	16QAM	50	0	20.71	20.53	20.61				
10	64QAM	1	0	20.66	20.62	20.54				
10	64QAM	1	25	20.61	20.61	20.62	22	2		
10	64QAM	1	49	20.55	20.58	20.48				
10	64QAM	25	0	19.58	19.63	19.72				
10	64QAM	25	12	19.59	19.70	19.74	21	3		
10	64QAM	25	25	19.70	19.76	19.88				
10	64QAM	50	0	19.67	19.60	19.67				
10	256QAM	1	0	17.38	17.38	17.51	19	5		
10	256QAM	1	25	17.48	17.53	17.62				
10	256QAM	1	49	17.63	17.51	17.52				
10	256QAM	25	0	17.67	17.60	17.60	19	5		
10	256QAM	25	12	17.80	17.63	17.79				
10	256QAM	25	25	17.63	17.63	17.76				
10	256QAM	50	0	17.69	17.63	17.72				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.59	22.67	22.50	24	0		
5	QPSK	1	12	22.57	22.57	22.50				
5	QPSK	1	24	22.42	22.58	22.39				
5	QPSK	12	0	21.64	21.67	21.72	23	1		
5	QPSK	12	7	21.46	21.71	21.50				
5	QPSK	12	13	21.61	21.60	21.71				
5	QPSK	25	0	21.58	21.59	21.70	23	1		
5	16QAM	1	0	21.66	21.61	21.78				
5	16QAM	1	12	21.67	21.51	21.56				
5	16QAM	1	24	21.61	21.61	21.63	22	2		
5	16QAM	12	0	20.70	20.67	20.64				
5	16QAM	12	7	20.73	20.53	20.67				
5	16QAM	12	13	20.74	20.74	20.72	22	2		
5	16QAM	25	0	20.67	20.58	20.62				
5	64QAM	1	0	20.66	20.64	20.61				
5	64QAM	1	12	20.66	20.53	20.63	22	2		
5	64QAM	1	24	20.49	20.51	20.44				
5	64QAM	12	0	19.63	19.65	19.72				
5	64QAM	12	7	19.65	19.67	19.71	21	3		
5	64QAM	12	13	19.66	19.71	19.85				
5	64QAM	25	0	19.70	19.55	19.74				
5	256QAM	1	0	17.49	17.41	17.48	19	5		
5	256QAM	1	12	17.55	17.58	17.57				
5	256QAM	1	24	17.62	17.54	17.53				
5	256QAM	12	0	17.70	17.63	17.67	19	5		
5	256QAM	12	7	17.74	17.59	17.77				
5	256QAM	12	13	17.55	17.57	17.76				
5	256QAM	25	0	17.63	17.72	17.76				



Band 42 ANT4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.80	22.91	22.82	24	0
20	QPSK	1	49	22.82	22.78	22.86		
20	QPSK	1	99	22.86	22.80	22.89		
20	QPSK	50	0	21.90	21.92	21.83	23	1
20	QPSK	50	24	21.82	21.85	21.83		
20	QPSK	50	50	21.72	21.89	21.87		
20	QPSK	100	0	21.82	21.88	21.75	23	1
20	16QAM	1	0	21.88	21.81	21.82		
20	16QAM	1	49	21.83	21.74	21.71		
20	16QAM	1	99	21.80	21.69	21.84	22	2
20	16QAM	50	0	21.00	20.93	21.03		
20	16QAM	50	24	20.84	20.87	20.91		
20	16QAM	50	50	21.03	20.94	20.93	22	2
20	16QAM	100	0	20.86	20.77	20.72		
20	64QAM	1	0	20.75	20.73	20.71		
20	64QAM	1	49	20.85	20.74	20.81	22	2
20	64QAM	1	99	20.72	20.68	20.65		
20	64QAM	50	0	20.05	19.95	19.97		
20	64QAM	50	24	20.13	20.07	20.14	21	3
20	64QAM	50	50	20.08	20.08	20.20		
20	64QAM	100	0	20.11	20.03	20.11		
20	256QAM	1	0	17.74	17.75	17.89	19	5
20	256QAM	1	49	17.73	17.58	17.54		
20	256QAM	1	99	17.72	17.63	17.66		
20	256QAM	50	0	17.93	17.98	18.06	19	5
20	256QAM	50	24	18.08	17.97	17.94		
20	256QAM	50	50	18.09	17.99	18.00		
20	256QAM	100	0	17.94	17.90	17.90		
Channel				42185	42590	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.68	22.80	22.77	24	0
15	QPSK	1	37	22.77	22.71	22.82		
15	QPSK	1	74	22.75	22.76	22.84		
15	QPSK	36	0	21.85	21.86	21.69	23	1
15	QPSK	36	20	21.72	21.78	21.70		
15	QPSK	36	39	21.61	21.77	21.80		
15	QPSK	75	0	21.74	21.80	21.88	23	1
15	16QAM	1	0	21.77	21.76	21.79		
15	16QAM	1	37	21.79	21.63	21.62		
15	16QAM	1	74	21.75	21.56	21.76	22	2
15	16QAM	36	0	20.89	20.89	20.96		
15	16QAM	36	20	20.78	20.74	20.77		
15	16QAM	36	39	20.99	20.84	20.88	22	2
15	16QAM	75	0	20.82	20.65	20.66		
15	64QAM	1	0	20.63	20.60	20.64		
15	64QAM	1	37	20.78	20.62	20.70	22	2
15	64QAM	1	74	20.58	20.56	20.55		
15	64QAM	36	0	19.92	19.91	19.88		
15	64QAM	36	20	20.04	19.98	20.03	21	3
15	64QAM	36	39	20.03	19.99	20.10		
15	64QAM	75	0	20.04	19.91	20.06		
15	256QAM	1	0	17.65	17.61	17.86	19	5
15	256QAM	1	37	17.64	17.55	17.46		
15	256QAM	1	74	17.61	17.58	17.54		
15	256QAM	36	0	17.94	17.85	17.98	19	5
15	256QAM	36	20	17.95	17.90	17.88		
15	256QAM	36	39	18.05	17.91	17.96		
15	256QAM	75	0	17.83	17.83	17.84		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.74	22.84	22.75	24	0
10	QPSK	1	25	22.69	22.75	22.77		
10	QPSK	1	49	22.75	22.71	22.79		
10	QPSK	25	0	21.86	21.85	21.69	23	1
10	QPSK	25	12	21.73	21.77	21.77		
10	QPSK	25	25	21.64	21.78	21.80		
10	QPSK	50	0	21.75	21.77	21.63	23	1
10	16QAM	1	0	21.80	21.68	21.89		
10	16QAM	1	25	21.75	21.62	21.58		
10	16QAM	1	49	21.74	21.62	21.71	22	2
10	16QAM	25	0	20.94	20.87	20.98		
10	16QAM	25	12	20.70	20.76	20.87		
10	16QAM	25	25	20.90	20.87	20.87	22	2
10	16QAM	50	0	20.74	20.66	20.68		
10	64QAM	1	0	20.68	20.58	20.67		
10	64QAM	1	25	20.74	20.68	20.67	22	2
10	64QAM	1	49	20.63	20.55	20.61		
10	64QAM	25	0	19.96	19.82	19.84		
10	64QAM	25	12	20.00	20.01	20.02	21	3
10	64QAM	25	25	19.95	20.02	20.09		
10	64QAM	50	0	20.04	19.95	20.05		
10	256QAM	1	0	17.69	17.64	17.83	19	5
10	256QAM	1	25	17.64	17.44	17.43		
10	256QAM	1	49	17.66	17.58	17.55		
10	256QAM	25	0	17.79	17.94	18.00	19	5
10	256QAM	25	12	18.04	17.90	17.81		
10	256QAM	25	25	18.04	17.84	17.96		
10	256QAM	50	0	17.81	17.87	17.79		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.76	22.77	22.68	24	0
5	QPSK	1	12	22.74	22.71	22.82		
5	QPSK	1	24	22.83	22.75	22.85		
5	QPSK	12	0	21.77	21.81	21.78	23	1
5	QPSK	12	7	21.78	21.73	21.73		
5	QPSK	12	13	21.66	21.76	21.82		
5	QPSK	25	0	21.71	21.81	21.82	23	1
5	16QAM	1	0	21.84	21.69	21.80		
5	16QAM	1	12	21.74	21.68	21.57		
5	16QAM	1	24	21.76	21.63	21.76	22	2
5	16QAM	12	0	20.94	20.88	20.91		
5	16QAM	12	7	20.75	20.75	20.86		
5	16QAM	12	13	20.90	20.81	20.80	22	2
5	16QAM	25	0	20.74	20.66	20.66		
5	64QAM	1	0	20.68	20.59	20.59		
5	64QAM	1	12	20.80	20.60	20.77	22	2
5	64QAM	1	24	20.59	20.58	20.58		
5	64QAM	12	0	19.93	19.88	19.94		
5	64QAM	12	7	20.02	19.96	20.06	21	3
5	64QAM	12	13	20.03	20.01	20.17		
5	64QAM	25	0	20.03	19.97	19.97		
5	256QAM	1	0	17.70	17.71	17.74	19	5
5	256QAM	1	12	17.70	17.50	17.40		
5	256QAM	1	24	17.59	17.49	17.57		
5	256QAM	12	0	17.88	17.84	18.00	19	5
5	256QAM	12	7	17.94	17.92	17.83		
5	256QAM	12	13	17.94	17.89	17.89		
5	256QAM	25	0	17.84	17.79	17.79		



Reduced Power Mode for WWAN

GSM850	Ant0 DSIS2 Default Power			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	Burst Average Power (dBm)	128	189		251	128	189	
TX Channel	128	189	251	33.50	23.20	23.07	23.05	24.50
Frequency (MHz)	128.2	188.4	251.8	33.50	23.20	23.07	23.05	24.50
GSM 1 Tx slot	32.20	32.07	32.05	33.50	23.20	23.07	23.05	24.50
GPRS 1 Tx slot	32.19	32.05	32.02	33.50	23.19	23.05	23.02	24.50
GPRS 2 Tx slots	31.11	30.84	30.71	32.00	25.11	24.84	24.71	26.00
GPRS 3 Tx slots	29.71	29.46	29.42	30.90	25.45	25.20	25.16	26.64
GPRS 4 Tx slots	28.01	27.71	27.65	29.50	25.01	24.71	24.65	26.50
EDGE 1 Tx slot	25.31	25.96	26.01	27.00	16.91	16.96	17.01	18.00
EDGE 2 Tx slots	24.49	25.10	24.86	26.50	16.89	16.10	16.86	20.50
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50

GSM1900	Ant0 DSIS2 Default Power			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	Burst Average Power (dBm)	512	661		810	512	661	
TX Channel	512	661	810	30.50	20.47	20.85	20.53	21.50
Frequency (MHz)	1852.2	1858	1853.3	30.50	20.47	20.86	20.56	21.50
GSM 1 Tx slot	29.47	29.86	29.56	30.50	20.47	20.86	20.56	21.50
GPRS 1 Tx slot	29.46	29.85	29.53	30.50	20.46	20.85	20.53	21.50
GPRS 2 Tx slots	27.18	27.45	27.21	28.50	21.18	21.45	21.21	22.50
GPRS 3 Tx slots	25.81	26.03	26.01	27.40	21.55	21.77	21.75	23.14
GPRS 4 Tx slots	24.25	24.41	24.25	25.50	21.25	21.41	21.25	22.50
EDGE 1 Tx slot	25.45	25.60	25.54	26.50	16.45	16.60	16.54	17.50
EDGE 2 Tx slots	24.53	24.15	24.17	25.50	16.53	16.15	16.17	18.50
EDGE 3 Tx slots	22.86	23.01	22.62	24.50	16.30	16.15	16.36	20.24
EDGE 4 Tx slots	21.27	21.32	21.17	22.50	18.27	18.32	18.17	19.50

Band	Ant0 DSIS2 Default Power			Tune-up Limit (dBm)	Ant0 DSIS2 Default Power			Tune-up Limit (dBm)	Ant0 DSIS2 Default Power			Tune-up Limit (dBm)
	WCDMA II	WCDMA IV	WCDMA V		WCDMA II	WCDMA IV	WCDMA V		WCDMA II	WCDMA IV	WCDMA V	
TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233	4333	23.00	
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458	4558	23.00	
Frequency (MHz)	1824.4	1838	1827.3	1722.4	1722.3	1722.6	323.4	336.4	346.6	346.6	23.00	
3GPP Rel 99 AMR 12.2Kbps	22.66	22.72	22.70	24.00	22.95	23.05	22.97	24.00	23.84	23.71	23.64	24.00
3GPP Rel 99 RMC 12.2Kbps	22.67	22.75	22.71	24.00	22.97	23.06	23.00	24.00	23.69	23.72	23.65	24.00
3GPP Rel 6 HSDPA Subtest-1	21.70	21.83	21.83	23.00	21.95	22.08	21.88	23.00	21.60	21.66	21.69	23.00
3GPP Rel 6 HSDPA Subtest-2	21.55	21.88	21.94	23.00	22.04	21.97	21.97	23.00	21.67	21.55	21.49	23.00
3GPP Rel 6 HSDPA Subtest-3	21.37	21.14	21.19	22.50	21.54	21.43	21.47	22.50	21.14	21.27	21.11	22.50
3GPP Rel 6 HSDPA Subtest-4	20.92	21.23	21.17	22.50	21.56	21.48	21.47	22.50	21.04	21.13	20.86	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.99	21.78	21.91	23.00	21.87	22.02	21.83	23.00	21.73	21.57	21.55	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.88	21.86	21.82	23.00	21.86	22.00	21.69	23.00	21.48	21.78	21.49	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.37	21.14	20.94	22.50	21.39	21.29	21.42	22.50	21.39	21.34	21.22	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.06	21.35	21.18	22.50	21.47	21.58	21.41	22.50	20.95	21.28	21.08	22.50
3GPP Rel 6 HSUPA Subtest-1	21.81	21.68	21.94	23.00	21.96	21.89	21.93	23.00	21.57	21.71	21.74	23.00
3GPP Rel 6 HSUPA Subtest-2	19.76	19.85	19.86	21.00	20.03	20.05	19.92	21.00	19.83	19.59	19.58	21.00
3GPP Rel 6 HSUPA Subtest-3	20.78	20.74	20.49	22.00	20.98	20.78	20.91	22.00	20.59	20.95	20.53	22.00
3GPP Rel 6 HSUPA Subtest-4	19.55	19.64	19.74	21.00	20.04	19.96	19.96	21.00	19.47	19.67	19.32	21.00
3GPP Rel 6 HSUPA Subtest-5	21.56	21.78	21.91	23.00	21.89	22.09	21.93	23.00	21.51	21.77	21.81	23.00



Ant1 DSI 2 Standalone								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	31.90	824.2	836.4	848.8	22.90
Frequency (MHz)	824.2	836.4	848.8	31.90	824.2	836.4	848.8	22.90
GSM 1 Tx slot	31.73	31.57	31.42	31.90	22.73	22.57	22.42	22.90
GPRS 1 Tx slot	31.59	31.51	31.30	31.90	22.59	22.51	22.30	22.90
GPRS 2 Tx slots	28.88	28.70	28.56	28.90	22.68	22.70	22.56	22.90
GPRS 3 Tx slots	26.88	26.96	26.75	27.20	22.62	22.70	22.49	22.94
GPRS 4 Tx slots	25.63	25.58	25.54	25.90	22.63	22.58	22.54	22.90
EDGE 1 Tx slot	25.44	25.61	25.54	27.00	18.44	18.61	18.54	18.00
EDGE 2 Tx slots	24.73	24.57	24.67	26.50	18.73	18.57	18.67	20.50
EDGE 3 Tx slots	23.22	23.14	23.18	24.50	18.96	18.88	18.92	20.24
EDGE 4 Tx slots	21.53	21.57	21.62	23.50	18.53	18.57	18.62	20.50

Ant1 DSI 2 Simultaneous								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	30.60	824.2	836.4	848.8	21.60
Frequency (MHz)	824.2	836.4	848.8	30.60	824.2	836.4	848.8	21.60
GSM 1 Tx slot	29.91	29.77	30.08	30.60	20.91	20.77	21.08	21.60
GPRS 1 Tx slot	29.85	29.64	30.01	30.60	20.85	20.64	21.01	21.60
GPRS 2 Tx slots	27.36	27.59	27.21	27.60	21.36	21.59	21.21	21.60
GPRS 3 Tx slots	25.81	25.65	25.69	25.90	21.55	21.39	21.43	21.64
GPRS 4 Tx slots	24.39	24.35	24.21	24.60	21.39	21.35	21.21	21.60
EDGE 1 Tx slot	25.41	25.66	25.56	27.00	18.41	18.66	18.56	18.00
EDGE 2 Tx slots	24.63	24.63	24.75	26.50	18.63	18.63	18.75	20.50
EDGE 3 Tx slots	23.22	23.19	23.14	24.50	18.96	18.93	18.88	20.24
EDGE 4 Tx slots	21.57	21.59	21.54	23.50	18.57	18.59	18.54	20.50

Ant1 DSI 2 Standalone				
Seri	WCDMA V	Tune-up Limit (dBm)		
		4132	4182	4233
TX Channel	4132	4182	4233	22.30
Rx Channel	4357	4407	4458	22.30
Frequency (MHz)	826.4	836.4	846.6	22.30
3GPP Rel 99	AMR 12.2Kbps	21.74	21.75	21.67
3GPP Rel 99	RMG 12.2Kbps	21.78	21.79	21.67
3GPP Rel 6	HSDPA Subtest-1	20.79	20.86	20.88
3GPP Rel 6	HSDPA Subtest-2	20.69	20.85	20.72
3GPP Rel 6	HSDPA Subtest-3	20.25	20.40	20.31
3GPP Rel 6	HSDPA Subtest-4	20.21	20.35	20.18
3GPP Rel 8	DC-HSDPA Subtest-1	20.83	20.87	20.78
3GPP Rel 8	DC-HSDPA Subtest-2	20.84	20.91	20.80
3GPP Rel 8	DC-HSDPA Subtest-3	20.30	20.30	20.34
3GPP Rel 8	DC-HSDPA Subtest-4	20.25	20.27	20.21
3GPP Rel 6	HSUPA Subtest-1	20.71	20.69	20.59
3GPP Rel 6	HSUPA Subtest-2	18.71	18.90	18.88
3GPP Rel 6	HSUPA Subtest-3	19.76	19.93	19.89
3GPP Rel 6	HSUPA Subtest-4	18.61	18.47	18.69
3GPP Rel 6	HSUPA Subtest-5	20.76	20.76	20.82

Ant1 DSI 2 Simultaneous				
Seri	WCDMA V	Tune-up Limit (dBm)		
		4132	4182	4233
TX Channel	4132	4182	4233	21.00
Rx Channel	4357	4407	4458	21.00
Frequency (MHz)	826.4	836.4	846.6	21.00
3GPP Rel 99	AMR 12.2Kbps	20.40	20.38	20.28
3GPP Rel 99	RMG 12.2Kbps	20.42	20.43	20.29
3GPP Rel 6	HSDPA Subtest-1	19.41	19.51	19.54
3GPP Rel 6	HSDPA Subtest-2	19.34	19.49	19.34
3GPP Rel 6	HSDPA Subtest-3	18.90	19.01	18.96
3GPP Rel 6	HSDPA Subtest-4	18.85	18.98	18.83
3GPP Rel 8	DC-HSDPA Subtest-1	19.50	19.49	19.42
3GPP Rel 8	DC-HSDPA Subtest-2	19.48	19.56	19.45
3GPP Rel 8	DC-HSDPA Subtest-3	18.97	18.94	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.88	18.90	18.86
3GPP Rel 6	HSUPA Subtest-1	19.38	19.33	19.25
3GPP Rel 6	HSUPA Subtest-2	17.32	17.54	17.54
3GPP Rel 6	HSUPA Subtest-3	18.41	18.54	18.50
3GPP Rel 6	HSUPA Subtest-4	17.26	17.12	17.35
3GPP Rel 6	HSUPA Subtest-5	19.39	19.40	19.49



Band 2 Ant1 DS12 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power High Ch. (Freq)	Power High Ch. (Freq)	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.59	17.65	17.60		18.6	0	
20	QPSK	1	49	17.48	17.54	17.56				
20	QPSK	1	99	17.44	17.44	17.46				
20	QPSK	50	0	17.54	17.62	17.58				
20	QPSK	50	24	17.48	17.56	17.52				
20	QPSK	50	50	17.58	17.58	17.51				
20	QPSK	100	0	17.58	17.60	17.59				
20	QPSK	100	0	17.58	17.57	17.53				
20	16QAM	1	49	17.57	17.64	17.33		18.6	0	
20	16QAM	1	99	17.51	17.46	17.56				
20	16QAM	50	0	17.46	17.56	17.54				
20	16QAM	50	24	17.45	17.50	17.24				
20	16QAM	50	50	17.60	17.54	17.49				
20	16QAM	100	0	17.50	17.52	17.54				
20	16QAM	100	0	17.45	17.59	17.49				
20	64QAM	1	49	17.53	17.58	17.53		18.6	0	
20	64QAM	1	99	17.49	17.51	17.51				
20	64QAM	50	0	17.43	17.46	17.52				
20	64QAM	50	24	17.40	17.49	17.21				
20	64QAM	50	50	17.56	17.51	17.42				
20	64QAM	100	0	17.52	17.59	17.53				
20	64QAM	100	0	17.47	17.59	17.43				
20	256QAM	1	49	17.56	17.54	17.24				
20	256QAM	1	99	17.45	17.31	17.49				
20	256QAM	50	0	17.42	17.42	17.42				
20	256QAM	50	24	17.42	17.58	17.24				
20	256QAM	50	50	17.49	17.36	17.49				
20	256QAM	100	0	17.54	17.52	17.53				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.46	17.44	17.48		18.6	0	
15	QPSK	1	37	17.52	17.37	17.29				
15	QPSK	1	74	17.43	17.37	17.53				
15	QPSK	36	0	17.48	17.49	17.51				
15	QPSK	36	25	17.48	17.51	17.53				
15	QPSK	36	39	17.48	17.29	17.43				
15	QPSK	75	0	17.51	17.48	17.51				
15	16QAM	1	37	17.47	17.61	17.22		18.6	0	
15	16QAM	1	74	17.41	17.59	17.42				
15	16QAM	36	0	17.39	17.51	17.42				
15	16QAM	36	29	17.46	17.59	17.19				
15	16QAM	36	49	17.49	17.47	17.49				
15	16QAM	75	0	17.59	17.53	17.51				
15	64QAM	1	0	17.43	17.47	17.40				
15	64QAM	1	37	17.49	17.47	17.49				
15	64QAM	1	74	17.42	17.25	17.41				
15	64QAM	36	0	17.32	17.34	17.46				
15	64QAM	36	29	17.47	17.51	17.43				
15	64QAM	36	39	17.45	17.15	17.33				
15	64QAM	75	0	17.48	17.54	17.44				
15	256QAM	1	0	17.51	17.46	17.48				
15	256QAM	1	37	17.45	17.41	17.19				
15	256QAM	1	74	17.38	17.29	17.47				
15	256QAM	36	0	17.46	17.46	17.46				
15	256QAM	36	29	17.42	17.44	17.12				
15	256QAM	36	39	17.38	17.31	17.48				
15	256QAM	75	0	17.51	17.47	17.48				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.48	17.48	17.48		18.6	0	
10	QPSK	1	25	17.48	17.55	17.25				
10	QPSK	1	49	17.48	17.38	17.47				
10	QPSK	12	0	17.47	17.46	17.46				
10	QPSK	25	12	17.37	17.50	17.18				
10	QPSK	25	25	17.51	17.29	17.43				
10	QPSK	25	49	17.47	17.47	17.47				
10	16QAM	1	0	17.48	17.46	17.53				
10	16QAM	1	24	17.50	17.54	17.26				
10	16QAM	1	49	17.46	17.46	17.46				
10	16QAM	25	0	17.36	17.47	17.44				
10	16QAM	25	12	17.36	17.52	17.13				
10	16QAM	25	25	17.50	17.38	17.43				
10	16QAM	50	0	17.53	17.50	17.45				
10	64QAM	1	0	17.34	17.43	17.38				
10	64QAM	1	24	17.42	17.42	17.43				
10	64QAM	1	49	17.38	17.24	17.43				
10	64QAM	25	0	17.34	17.39	17.41				
10	64QAM	25	12	17.44	17.44	17.44				
10	64QAM	25	25	17.48	17.23	17.36				
10	64QAM	50	0	17.44	17.50	17.44				
10	256QAM	1	0	17.46	17.47	17.14				
10	256QAM	1	49	17.34	17.43	17.42				
10	256QAM	1	99	17.49	17.49	17.49				
10	256QAM	12	0	17.35	17.45	17.42				
10	256QAM	12	49	17.34	17.25	17.42				
10	256QAM	25	0	17.38	17.48	17.48				
10	256QAM	25	25	17.43	17.28	17.38				
10	256QAM	50	0	17.42	17.42	17.48				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.46	17.46	17.46		18.6	0	
5	QPSK	1	12	17.46	17.57	17.23				
5	QPSK	1	24	17.46	17.38	17.45				
5	QPSK	12	0	17.47	17.46	17.46				
5	QPSK	12	7	17.44	17.50	17.18				
5	QPSK	12	13	17.52	17.35	17.49				
5	QPSK	25	0	17.52	17.44	17.52				
5	16QAM	1	0	17.53	17.47	17.56				
5	16QAM	1	12	17.51	17.53	17.22				
5	16QAM	1	24	17.47	17.49	17.49				
5	16QAM	12	0	17.39	17.54	17.17				
5	16QAM	12	7	17.36	17.56	17.21				
5	16QAM	12	13	17.50	17.22	17.45				
5	64QAM	1	0	17.40	17.53	17.42				
5	64QAM	1	12	17.44	17.44	17.44				
5	64QAM	1	24	17.38	17.25	17.45				
5	64QAM	12	0	17.36	17.43	17.45				
5	64QAM	12	7	17.33	17.44	17.11				
5	64QAM	12	13	17.52	17.25	17.32				
5	64QAM	25	0	17.46	17.49	17.39				
5	256QAM	1	0	17.44	17.47	17.38				
5	256QAM	1	12	17.50	17.47	17.15				
5	256QAM	1	24	17.43	17.22	17.47				
5	256QAM	12	0	17.38	17.48	17.48				
5	256QAM	12	7	17.37	17.44	17.12				
5	256QAM	12	13	17.40	17.36	17.41				
5	256QAM	25	0	17.48	17.48	17.47				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.51	17.54	17.50		18.6	0	
3	QPSK	1	8	17.52	17.52	17.40				
3	QPSK	1	14	17.42	17.50	17.50				
3	QPSK	8	0	17.55	17.50	17.46				
3	QPSK	8	4	17.50	17.46	17.46				
3	QPSK	8	7	17.57	17.29	17.46				
3	QPSK	15	0	17.51	17.49	17.58				
3	16QAM	1	0	17.58	17.47	17.52				
3	16QAM	1	8	17.51	17.55	17.32				
3	16QAM	1	14	17.44	17.46	17.46				
3	16QAM	8	0	17.40	17.60	17.40				
3	16QAM	8	4	17.32	17.51	17.39				
3	16QAM	8	7	17.41	17.23	17.51				
3	64QAM	1	0	17.56	17.44	17.39				
3	64QAM	1	8	17.40	17.56	17.11				
3	64QAM	1	14	17.47	17.19	17.45				
3	64QAM	8	0	17.44	17.49	17.43				
3	64QAM	8	4	17.38	17.38					



Band 4 Ant1 DSI 2 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power H / Freq	Power L / Freq	Turn-up Time (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.16	16.44	16.27		17.5	0	
20	QPSK	1	49	16.16	16.20	15.99				
20	QPSK	50	0	16.22	16.30	16.24				
20	QPSK	50	24	16.22	16.26	16.05				
20	QPSK	50	49	16.22	16.20	16.20				
20	QPSK	100	0	16.30	16.35	16.20				
20	QPSK	100	24	16.30	16.30	16.11				
20	QPSK	1	49	16.37	16.37	16.36				
20	QPSK	1	99	16.38	16.46	16.03				
20	QPSK	50	0	16.40	16.42	16.11				
20	QPSK	50	24	16.36	16.11	16.03				
20	QPSK	50	49	16.38	16.12	16.13				
20	QPSK	100	0	16.34	16.22	16.13				
20	QPSK	100	24	16.13	16.01	16.16				
20	QPSK	100	49	16.32	16.11	16.05				
20	QPSK	50	0	16.39	16.31	16.16				
20	QPSK	50	24	16.36	16.32	16.04				
20	QPSK	50	49	16.35	16.30	16.09				
20	QPSK	100	0	16.10	16.04	16.04				
20	QPSK	100	24	16.30	16.27	16.18				
20	QPSK	100	49	16.35	16.30	16.09				
20	QPSK	50	0	16.33	16.32	16.03				
20	QPSK	50	24	16.33	16.32	16.03				
20	QPSK	50	49	16.35	16.32	16.03				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.22	16.30	16.24				
15	QPSK	1	49	16.13	16.07	16.16				
15	QPSK	1	74	16.36	16.17	16.22				
15	QPSK	36	0	16.13	16.20	16.15				
15	QPSK	36	18	16.34	16.20	16.04				
15	QPSK	36	36	16.37	16.18	16.09				
15	QPSK	75	0	16.36	16.27	16.03				
15	QPSK	75	18	16.03	16.20	16.03				
15	QPSK	1	37	16.31	16.32	16.00				
15	QPSK	1	74	16.36	16.27	16.11				
15	QPSK	36	0	16.08	16.09	16.07				
15	QPSK	36	18	16.32	16.02	16.03				
15	QPSK	75	0	16.34	16.07	16.15				
15	QPSK	75	18	16.33	16.10	16.04				
15	QPSK	1	37	16.31	16.17	16.05				
15	QPSK	1	74	16.37	16.08	16.10				
15	QPSK	36	0	16.07	16.07	16.07				
15	QPSK	36	18	16.30	16.21	16.11				
15	QPSK	75	0	16.30	16.21	16.11				
15	QPSK	75	18	16.32	16.04	16.07				
15	QPSK	1	37	16.32	16.04	16.07				
15	QPSK	1	74	16.30	16.05	16.08				
15	QPSK	36	0	16.33	16.05	16.08				
15	QPSK	36	18	16.33	16.05	16.08				
15	QPSK	75	0	16.30	16.06	16.01				
15	QPSK	75	18	16.33	16.05	16.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.17	17.15	17.00				
10	QPSK	1	25	16.11	16.08	16.12				
10	QPSK	1	49	16.08	16.09	16.02				
10	QPSK	1	74	16.07	16.16	16.11				
10	QPSK	25	0	16.33	16.13	16.08				
10	QPSK	25	12	16.33	16.13	16.08				
10	QPSK	25	25	16.37	16.12	16.12				
10	QPSK	50	0	16.33	16.14	16.05				
10	QPSK	1	25	16.31	16.32	16.06				
10	QPSK	1	49	16.35	16.36	16.06				
10	QPSK	1	74	16.36	16.36	16.06				
10	QPSK	25	0	16.38	16.09	16.02				
10	QPSK	25	12	16.38	16.09	16.02				
10	QPSK	25	25	16.37	16.24	16.03				
10	QPSK	50	0	16.36	16.05	16.04				
10	QPSK	50	12	16.36	16.05	16.04				
10	QPSK	50	25	16.37	16.24	16.03				
10	QPSK	100	0	16.38	16.05	16.04				
10	QPSK	100	12	16.38	16.05	16.04				
10	QPSK	100	25	16.37	16.24	16.03				
10	QPSK	1	25	16.35	16.36	16.06				
10	QPSK	1	49	16.35	16.36	16.06				
10	QPSK	1	74	16.36	16.36	16.06				
10	QPSK	25	0	16.38	16.09	16.02				
10	QPSK	25	12	16.38	16.09	16.02				
10	QPSK	25	25	16.37	16.24	16.03				
10	QPSK	50	0	16.36	16.05	16.04				
10	QPSK	50	12	16.36	16.05	16.04				
10	QPSK	50	25	16.37	16.24	16.03				
10	QPSK	100	0	16.38	16.05	16.04				
10	QPSK	100	12	16.38	16.05	16.04				
10	QPSK	100	25	16.37	16.24	16.03				
10	QPSK	1	25	16.35	16.36	16.06				
10	QPSK	1	49	16.35	16.36	16.06				
10	QPSK	1	74	16.36	16.36	16.06				
10	QPSK	25	0	16.38	16.09	16.02				
10	QPSK	25	12	16.38	16.09	16.02				
10	QPSK	25	25	16.37	16.24	16.03				
10	QPSK	50	0	16.36	16.05	16.04				
10	QPSK	50	12	16.36	16.05	16.04				
10	QPSK	50	25	16.37	16.24	16.03				
10	QPSK	100	0	16.38	16.05	16.04				
10	QPSK	100	12	16.38	16.05	16.04				
10	QPSK	100	25	16.37	16.24	16.03				
10	QPSK	1	25	16.35	16.36	16.06				
10	QPSK	1	49	16.35	16.36	16.06				
10	QPSK	1	74	16.36	16.36	16.06				
10	QPSK	25	0	16.38	16.09	16.02				
10	QPSK	25	12	16.38	16.09	16.02				
10	QPSK	25	25	16.37	16.24	16.03				
10	QPSK	50	0	16.36	16.05	16.04				
10	QPSK	50	12	16.36	16.05	16.04				
10	QPSK	50	25	16.37	16.24	16.03				
10	QPSK	100	0	16.38	16.05	16.04				
10	QPSK	100	12	16.38	16.05	16.04				
10	QPSK	100	25	16.37	16.24	16.03				
10	QPSK	1	25	16.35	16.36	16.06				
10	QPSK	1	49	16.35	16.36	16.06				
10	QPSK	1	74	16.36	16.36	16.06				
10	QPSK	25	0	16.38	16.09	16.02				
10	QPSK	25	12	16.38	16.09	16.02				
10	QPSK	25	25	16.37	16.24	16.03				
10	QPSK	50	0	16.36	16.05	16.04				
10	QPSK	50	12	16.36	16.05	16.04				
10	QPSK	50	25	16.37	16.24	16.03				
10	QPSK	100	0	16.38	16.05	16.04				
10	QPSK	100	12	16.38	16.05	16.04				
10	QPSK	100	25	16.37	16.24	16.03				
10	QPSK	1	25	16.35	16.36	16.06				
10	QPSK	1	49	16.35	16.36	16.06				
10	QPSK	1	74	16.36	16.36	16.06				
10	QPSK	25	0	16.38	16.09	16.02				
10	QPSK	25	12	16.38	16.09	16.02				
10	QPSK	25	25	16.37	16.24	16.03				
10	QPSK	50	0	16.36	16.05	16.04				
10	QPSK	50	12	16.36	16.05	16.04				
10	QPSK	50	25	16.37	16.24	16.03				
10	QPSK	100	0	16.38	16.05	16.04				
10	QPSK	100	12	16.38	16.05	16.04				
10	QPSK	100	25	16.37	16.24	16.03				



Band 7 Ant1 DSI 2 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.35	16.50	16.65		17.4	0	
20	QPSK	1	49	16.34	16.42	16.45				
20	QPSK	50	0	16.25	16.47	16.36				
20	QPSK	50	24	16.25	16.44	16.37				
20	QPSK	50	50	16.19	16.37	16.37		17.4	0	
20	QPSK	100	0	16.23	16.38	16.30				
20	16QAM	1	0	16.25	16.34	16.23				
20	16QAM	1	49	16.25	16.17	16.18		17.4	0	
20	16QAM	1	50	16.18	16.33	16.36				
20	16QAM	1	49	16.15	16.32	16.32				
20	16QAM	50	24	16.17	16.03	16.11		17.4	0	
20	16QAM	50	50	16.00	16.36	16.27				
20	16QAM	100	0	16.20	16.30	16.25				
20	16QAM	1	0	16.24	16.43	16.27				
20	16QAM	1	49	16.28	16.16	16.21		17.4	0	
20	16QAM	1	49	16.20	16.35	16.25				
20	16QAM	50	0	16.20	16.35	16.25				
20	16QAM	50	24	16.18	16.09	16.15		17.4	0	
20	16QAM	50	50	16.07	16.29	16.24				
20	16QAM	100	0	16.16	16.30	16.18				
20	256QAM	1	0	16.21	16.26	16.24				
20	256QAM	1	49	16.19	16.08	16.14		17.4	0	
20	256QAM	1	50	16.07	16.28	16.27				
20	256QAM	50	24	16.08	16.16	16.22				
20	256QAM	50	50	16.04	16.06	16.03		17.4	0	
20	256QAM	100	0	16.09	16.25	16.22				
20	256QAM	100	0	16.05	16.20	16.05				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.30	16.41	16.30		17.4	0	
15	QPSK	1	49	16.34	16.26	16.34				
15	QPSK	1	74	16.34	16.32	16.34				
15	QPSK	50	0	16.19	16.40	16.29				
15	QPSK	50	24	16.21	16.27	16.29		17.4	0	
15	QPSK	50	50	16.02	16.29	16.26				
15	16QAM	1	0	16.14	16.24	16.21				
15	16QAM	1	49	16.20	16.34	16.23		17.4	0	
15	16QAM	1	37	16.18	16.07	16.07				
15	16QAM	1	49	16.04	16.26	16.22				
15	16QAM	50	0	16.08	16.23	16.22				
15	16QAM	50	24	16.09	16.04	16.03		17.4	0	
15	16QAM	50	50	16.07	16.25	16.22				
15	16QAM	75	0	16.13	16.25	16.05				
15	16QAM	1	0	16.18	16.38	16.17		17.4	0	
15	16QAM	1	49	16.04	16.21	16.21				
15	16QAM	1	74	16.04	16.22	16.27				
15	16QAM	36	0	16.09	16.27	16.19		17.4	0	
15	16QAM	36	24	16.04	16.26	16.24				
15	16QAM	36	50	16.09	16.24	16.14				
15	16QAM	75	0	16.06	16.22	16.08				
15	256QAM	1	0	16.08	16.22	16.08		17.4	0	
15	256QAM	1	49	16.04	16.04	16.04				
15	256QAM	1	37	16.14	16.00	16.04		17.4	0	
15	256QAM	1	50	16.06	16.20	16.19				
15	256QAM	50	24	16.03	16.11	16.11				
15	256QAM	50	50	16.03	16.05	16.03		17.4	0	
15	256QAM	36	0	16.08	16.19	16.14				
15	256QAM	75	0	16.04	16.15	16.05				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.05	20.100	20.050		17.4	0	
10	QPSK	1	25	16.27	16.19	16.23		17.4	0	
10	QPSK	1	49	16.09	16.31	16.32				
10	QPSK	1	74	16.09	16.27	16.29				
10	QPSK	50	0	16.19	16.00	16.08				
10	QPSK	25	25	16.04	16.36	16.24		17.4	0	
10	QPSK	50	24	16.04	16.27	16.21				
10	16QAM	1	0	16.18	16.31	16.17				
10	16QAM	1	25	16.25	16.08	16.15		17.4	0	
10	16QAM	1	49	16.08	16.30	16.27				
10	16QAM	25	0	16.11	16.21	16.27				
10	16QAM	25	12	16.05	16.03	16.06		17.4	0	
10	16QAM	25	12	16.06	16.30	16.27				
10	16QAM	50	0	16.07	16.28	16.11				
10	16QAM	1	0	16.16	16.42	16.14		17.4	0	
10	16QAM	1	25	16.12	16.12	16.08				
10	16QAM	1	49	16.12	16.21	16.22				
10	16QAM	25	0	16.06	16.26	16.20		17.4	0	
10	16QAM	25	12	16.08	16.00	16.00				
10	16QAM	50	0	16.01	16.23	16.12				
10	16QAM	50	24	16.01	16.23	16.12				
10	256QAM	1	0	16.05	16.20	16.12		17.4	0	
10	256QAM	1	49	16.03	16.27	16.23				
10	256QAM	1	25	16.02	16.27	16.23				
10	256QAM	50	0	16.02	16.20	16.13		17.4	0	
10	256QAM	50	24	16.03	16.20	16.11				
10	256QAM	50	50	16.03	16.15	16.15				
10	256QAM	75	0	16.05	16.13	16.05		17.4	0	
10	256QAM	75	0	16.07	16.01	16.09				
10	256QAM	100	0	16.10	16.21	16.14				
10	256QAM	100	0	16.02	16.09	16.11		17.4	0	
10	256QAM	12	7	15.92	16.01	16.06				
10	256QAM	12	13	15.91	16.19	16.04				
10	256QAM	25	0	16.07	16.01	16.03		17.4	0	

Band 12 Ant1 DSI 2 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.62	23.70	23.64		24	0	
10	QPSK	1	25	23.67	23.63	23.63				
10	QPSK	1	49	23.48	23.44	23.44				
10	QPSK	25	0	23.54	23.60	23.57				
10	QPSK	25	12	23.38	23.54	23.63		24	0	
10	QPSK	25	25	23.45	23.51	23.49				
10	QPSK	50	0	23.34	23.45	23.27				
10	16QAM	1	0	23.62	23.51	23.49				
10	16QAM	1	25	23.47	23.44	23.23		24	0	
10	16QAM	1	49	23.40	23.38	23.50				
10	16QAM	1	25	23.57	23.40	23.42				
10	16QAM	25	12	22.28	22.27	22.32		23	1	
10	16QAM	25	12	22.38	22.37	22.32				
10	16QAM	25	25	22.42	22.33	22.36				
10	16QAM	50	0	22.29	22.19	22.45		24	0	
10	16QAM	1	0	22.59	22.61	22.61				
10	16QAM	1	25	22.70	22.67	22.73		23	1	
10	16QAM	1	49	22.61	22.52	22.63				
10	16QAM	25	0	21.45	21.45	21.41		24	0	
10	16QAM	25	12	21.46	21.53	21.56				
10	16QAM	25	12	21.57	21.52	21.56		22	2	
10	16QAM	25	25	21.45	21.42	21.41				
10	16QAM	50	0	21.31	21.32	21.32				
10	16QAM	1	0	22.59	22.61	22.61				
10	16QAM	1	25	22.63	22.57	22.63		20	4	
10	16QAM	1	49	22.61	22.54	22.62				
10	16QAM	25	0	21.81	21.85	21.83		20	4	
10	16QAM	25	12	21.91	21.85	21.83				
10	16QAM	25	25	21.98	21.96	21.96		20	4	
10	16QAM	50	0	21.63	21.65	21.65				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.65	23.69	23.61		24	0	
5	QPSK	1	25	23.43	23.49	23.41				
5	QPSK	1	24	23.63	23.52	23.43		24	0	
5	QPSK	1	24	23.						



Band 26 Ant1 DSI 2 Simultaneous										
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up (sec)	MPE (dB)		
Channel										
				841.5	841.5	841.5				
15	QPSK	1	0	20.20	20.21	20.28	20.6	0		
15	QPSK	1	31	20.17	20.16	20.15				
15	QPSK	1	74	20.02	20.16	20.15				
15	QPSK	36	0	20.05	20.15	19.98				
15	QPSK	36	29	20.11	20.09	20.14				
15	QPSK	36	39	19.88	20.06	20.01				
15	QPSK	75	0	20.07	20.11	20.00				
15	16QAM	1	0	20.13	20.14	20.14				
15	16QAM	1	37	19.90	20.07	20.06	20.6	0		
15	16QAM	1	74	20.07	20.11	19.99				
15	16QAM	36	0	19.96	20.04	20.09				
15	16QAM	36	29	19.90	20.01	20.07	20.6	0		
15	16QAM	36	39	20.11	20.07	19.92				
15	16QAM	75	0	20.12	20.09	20.09				
15	16QAM	1	0	20.14	20.11	19.95				
15	64QAM	1	37	20.08	20.08	20.07	20.6	0		
15	64QAM	1	74	19.96	20.08	20.04				
15	64QAM	36	0	19.43	19.39	19.41				
15	64QAM	36	29	19.39	19.49	19.47	20.6	0		
15	64QAM	36	39	19.41	19.45	19.40				
15	64QAM	75	0	19.38	19.42	19.43				
15	256QAM	1	0	17.42	17.43	17.50	19	1.6		
15	256QAM	1	37	17.47	17.50	17.47				
15	256QAM	1	74	17.57	17.55	17.55				
15	256QAM	36	0	17.26	17.26	17.26				
15	256QAM	36	29	17.18	17.12	17.07	19	1.6		
15	256QAM	36	39	17.20	17.18	17.15				
15	256QAM	75	0	17.24	17.24	17.24				
Channel										
				2874.0	2888.5	2900.0				
				819	831.5	844				
10	QPSK	1	0	20.16	20.11	20.04	20.6	0		
10	QPSK	1	29	20.08	20.07	20.07				
10	QPSK	1	49	19.91	20.02	20.10				
10	QPSK	26	0	20.01	20.04	19.92				
10	QPSK	26	12	19.97	19.98	19.97	20.6	0		
10	QPSK	26	29	19.79	20.00	19.95				
10	16QAM	1	0	20.00	19.99	19.99				
10	16QAM	1	49	19.84	20.03	19.93	20.6	0		
10	16QAM	1	29	19.86	19.99	19.99				
10	16QAM	25	0	19.96	19.94	20.04				
10	16QAM	25	12	19.75	19.93	19.95	20.6	0		
10	16QAM	25	29	19.84	19.95	19.97				
10	16QAM	50	0	20.01	19.95	20.06				
10	64QAM	1	0	20.02	20.00	19.88				
10	64QAM	1	29	19.86	20.00	19.96	20.6	0		
10	64QAM	1	49	19.76	20.04	19.85				
10	64QAM	25	0	19.29	19.27	19.38				
10	64QAM	25	12	19.32	19.33	19.30	20.6	0		
10	64QAM	25	29	19.35	19.33	19.30				
10	64QAM	50	0	19.32	19.28	19.36				
10	256QAM	1	0	17.28	17.34	17.42	19	1.6		
10	256QAM	1	49	17.80	17.43	17.59				
10	256QAM	1	29	17.82	17.45	17.61				
10	256QAM	25	12	17.08	17.18	17.27	19	1.6		
10	256QAM	25	29	17.15	17.10	17.07				
10	256QAM	50	0	17.12	17.34	17.20				
Channel										
				2879.5	2888.5	2900.0				
				816.5	831.5	844.5				
5	QPSK	1	0	20.07	20.12	20.12	20.6	0		
5	QPSK	1	12	20.08	19.98	20.15				
5	QPSK	1	24	19.92	20.08	20.07				
5	QPSK	12	0	19.99	19.98	20.08	20.6	0		
5	QPSK	12	13	19.81	19.98	19.93				
5	16QAM	1	0	20.05	19.90	19.99	20.6	0		
5	16QAM	1	12	19.84	19.92	19.91				
5	16QAM	1	24	19.84	19.88	19.97	20.6	0		
5	16QAM	12	0	19.95	19.91	19.97				
5	16QAM	12	7	19.84	19.88	19.97				
5	16QAM	12	13	19.82	19.84	19.88	20.6	0		
5	16QAM	25	0	20.08	19.90	20.05				
5	64QAM	1	0	20.00	20.07	19.89	20.6	0		
5	64QAM	1	12	19.83	19.98	19.98				
5	64QAM	1	24	19.79	19.96	20.00				
5	64QAM	12	0	19.32	19.31	19.32	20.6	0		
5	64QAM	12	7	19.32	19.41	19.43				
5	64QAM	12	13	19.35	19.36	19.27	20.6	0		
5	64QAM	25	0	19.26	19.28	19.40				
5	256QAM	1	0	17.41	17.29	17.44	19	1.6		
5	256QAM	1	12	17.37	17.39	17.45				
5	256QAM	1	24	17.45	17.45	17.52				
5	256QAM	12	0	17.15	17.16	17.11	19	1.6		
5	256QAM	12	7	17.05	17.36	17.11				
5	256QAM	12	13	17.06	17.10	17.05	19	1.6		
5	256QAM	25	0	17.32	17.20	17.28				
Channel										
				2879.5	2888.5	2900.0				
				816.5	831.5	844.5				
3	QPSK	1	0	20.15	20.16	20.13	20.6	0		
3	QPSK	1	8	20.02	20.01	20.15				
3	QPSK	1	14	19.95	20.09	20.07				
3	QPSK	1	49	19.99	20.06	19.90	20.6	0		
3	QPSK	8	4	20.04	19.88	20.04				
3	QPSK	8	7	19.82	19.84	19.88				
3	16QAM	1	0	20.04	19.89	20.08	20.6	0		
3	16QAM	1	8	19.82	19.97	19.91				
3	16QAM	1	14	19.96	20.07	19.93				
3	16QAM	8	0	20.00	19.99	20.06	20.6	0		
3	16QAM	8	4	19.84	19.85	19.92				
3	16QAM	8	7	20.02	19.92	19.93				
3	64QAM	1	0	20.01	19.97	19.88	20.6	0		
3	64QAM	1	8	19.96	20.07	19.93				
3	64QAM	1	14	19.71	20.04	19.97				
3	64QAM	8	0	19.39	19.28	19.31	20.6	0		
3	64QAM	8	4	19.25	19.45	19.40				
3	64QAM	8	7	19.27	19.38	19.28				
3	64QAM	15	0	19.31	19.35	19.36				
3	256QAM	1	0	17.41	17.29	17.44	19	1.6		
3	256QAM	1	8	17.31	17.39	17.43				
3	256QAM	1	14	17.42	17.45	17.48				
3	256QAM	8	4	17.13	17.16	17.11	19	1.6		
3	256QAM	8	7	17.12	17.13	17.09				
3	256QAM	15	0	17.39	17.05	17.05				
Channel										
				2869.7	2888.5	2900.0				
				20.05	20.16	20.13				
1.4	QPSK	1	0	20.05	20.16	20.13	20.6	0		
1.4	QPSK	1	3	20.13	19.98	20.06				
1.4	QPSK	1	5	19.94	20.00	20.03				
1.4	QPSK	3	0	20.09	20.06	19.90	20.6	0		
1.4	QPSK	3	1	20.05	19.95	20.09				
1.4	QPSK	3	3	19.87	20.00	19.94				
1.4	QPSK	3	5	19.95	19.99	19.93	20.6	0		
1.4	16QAM	1	0	20.03	19.95	20.10				
1.4	16QAM	1	3	19.83	19.94	20.01				
1.4	16QAM	1	5	19.93	20.07	19.96	20.6	0		
1.4	16QAM	3	0	19.92	19.99	19.97				
1.4	16QAM	3	1	19.80	19.91	19.91				
1.4	16QAM	3	3	19.92	20.01	19.97				
1.4	16QAM	6	0	20.04	19.91	20.01	20.6	0		
1.4	16QAM	6	1	19.98	19.97	19.97				



Band 38 Ant1 PC2&PC3 DSI 2 Standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	17.75	17.80	17.54	19.1	0		
20	QPSK	1	49	17.54	17.40	17.52				
20	QPSK	1	99	17.46	17.68	17.60				
20	QPSK	50	0	17.40	17.59	17.51	19.1	0		
20	QPSK	50	24	17.54	17.33	17.47				
20	QPSK	50	50	17.27	17.56	17.51				
20	QPSK	100	0	17.47	17.53	17.52	19.1	0		
20	16QAM	1	0	17.45	17.64	17.53				
20	16QAM	1	49	17.42	17.45	17.40				
20	16QAM	1	99	17.27	17.48	17.55	19.1	0		
20	16QAM	50	0	17.39	17.61	17.44				
20	16QAM	50	24	17.38	17.29	17.25				
20	16QAM	50	50	17.14	17.55	17.43	19.1	0		
20	16QAM	100	0	17.47	17.50	17.38				
20	64QAM	1	0	17.45	17.63	17.44				
20	64QAM	1	49	17.46	17.44	17.41	19.1	0		
20	64QAM	1	99	17.39	17.52	17.51				
20	64QAM	50	0	17.43	17.55	17.51				
20	64QAM	50	24	17.30	17.21	17.30	19.1	0		
20	64QAM	50	50	17.26	17.47	17.41				
20	64QAM	100	0	17.38	17.55	17.38				
20	256QAM	1	0	17.35	17.58	17.40	19	0.1		
20	256QAM	1	49	17.44	17.36	17.32				
20	256QAM	1	99	17.32	17.44	17.44				
20	256QAM	50	0	17.28	17.41	17.42	19	0.1		
20	256QAM	50	24	17.17	17.11	17.17				
20	256QAM	50	50	17.40	17.42	17.47				
20	256QAM	100	0	17.38	17.31	17.30				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	17.71	17.64	17.37	19.1	0		
15	QPSK	1	37	17.47	17.23	17.41				
15	QPSK	1	74	17.38	17.56	17.47				
15	QPSK	36	0	17.37	17.49	17.45	19.1	0		
15	QPSK	36	20	17.41	17.18	17.31				
15	QPSK	36	39	17.11	17.46	17.38				
15	QPSK	75	0	17.37	17.39	17.50	19.1	0		
15	16QAM	1	0	17.30	17.51	17.37				
15	16QAM	1	37	17.33	17.38	17.28				
15	16QAM	1	74	17.24	17.34	17.29	19.1	0		
15	16QAM	36	0	17.23	17.51	17.40				
15	16QAM	36	20	17.35	17.16	17.15				
15	16QAM	36	39	17.20	17.43	17.32	19.1	0		
15	16QAM	75	0	17.24	17.42	17.23				
15	64QAM	1	0	17.36	17.57	17.31				
15	64QAM	1	37	17.34	17.36	17.26	19.1	0		
15	64QAM	1	74	17.32	17.37	17.41				
15	64QAM	36	0	17.26	17.39	17.35				
15	64QAM	36	20	17.26	17.17	17.19	19.1	0		
15	64QAM	36	39	17.21	17.30	17.25				
15	64QAM	75	0	17.28	17.42	17.34				
15	256QAM	1	0	17.26	17.48	17.32	19	0.1		
15	256QAM	1	37	17.42	17.25	17.19				
15	256QAM	1	74	17.28	17.29	17.38				
15	256QAM	36	0	17.22	17.34	17.31	19	0.1		
15	256QAM	36	20	17.37	17.45	17.10				
15	256QAM	36	39	17.26	17.24	17.35				
15	256QAM	75	0	17.22	17.21	17.27				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	17.70	17.77	17.51	19.1	0		
10	QPSK	1	25	17.47	17.31	17.44				
10	QPSK	1	49	17.44	17.61	17.50				
10	QPSK	25	0	17.30	17.46	17.41	19.1	0		
10	QPSK	25	12	17.46	17.25	17.37				
10	QPSK	25	25	17.19	17.46	17.38				
10	QPSK	50	0	17.42	17.50	17.48	19.1	0		
10	16QAM	1	0	17.37	17.58	17.49				
10	16QAM	1	25	17.37	17.42	17.27				
10	16QAM	1	49	17.14	17.41	17.48	19.1	0		
10	16QAM	25	0	17.21	17.58	17.41				
10	16QAM	25	12	17.25	17.24	17.15				
10	16QAM	25	25	17.11	17.51	17.38	19.1	0		
10	16QAM	50	0	17.33	17.39	17.27				
10	64QAM	1	0	17.34	17.51	17.40				
10	64QAM	1	25	17.42	17.38	17.37	19.1	0		
10	64QAM	1	49	17.30	17.40	17.40				
10	64QAM	25	0	17.31	17.46	17.46				
10	64QAM	25	12	17.19	17.17	17.20	19.1	0		
10	64QAM	25	25	17.20	17.44	17.38				
10	64QAM	50	0	17.35	17.48	17.35				
10	256QAM	1	0	17.23	17.45	17.38	19	0.1		
10	256QAM	1	25	17.30	17.30	17.23				
10	256QAM	1	49	17.28	17.35	17.38				
10	256QAM	25	0	17.18	17.32	17.29	19	0.1		
10	256QAM	25	12	17.14	17.13	17.22				
10	256QAM	25	25	17.09	17.39	17.43				
10	256QAM	50	0	17.31	17.18	17.17				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	17.67	17.73	17.51	19.1	0		
5	QPSK	1	12	17.50	17.33	17.47				
5	QPSK	1	24	17.40	17.61	17.49				
5	QPSK	12	0	17.35	17.51	17.42	19.1	0		
5	QPSK	12	7	17.47	17.26	17.42				
5	QPSK	12	13	17.19	17.45	17.45				
5	QPSK	25	0	17.43	17.47	17.45	19.1	0		
5	16QAM	1	0	17.42	17.55	17.42				
5	16QAM	1	12	17.31	17.34	17.35				
5	16QAM	1	24	17.23	17.44	17.45	19.1	0		
5	16QAM	12	0	17.30	17.58	17.35				
5	16QAM	12	7	17.32	17.25	17.19				
5	16QAM	12	13	17.33	17.46	17.34	19.1	0		
5	16QAM	25	0	17.30	17.45	17.29				
5	64QAM	1	0	17.35	17.57	17.38				
5	64QAM	1	12	17.38	17.34	17.35	19.1	0		
5	64QAM	1	24	17.34	17.46	17.42				
5	64QAM	12	0	17.40	17.47	17.46				
5	64QAM	12	7	17.27	17.16	17.20	19.1	0		
5	64QAM	12	13	17.22	17.41	17.36				
5	64QAM	25	0	17.30	17.46	17.31				
5	256QAM	1	0	17.29	17.52	17.34	19	0.1		
5	256QAM	1	12	17.36	17.30	17.28				
5	256QAM	1	24	17.23	17.35	17.38				
5	256QAM	12	0	17.21	17.32	17.38	19	0.1		
5	256QAM	12	7	17.10	17.37	17.12				
5	256QAM	12	13	17.16	17.37	17.39				
5	256QAM	25	0	17.31	17.25	17.24				

Band 38 Ant1 PC2&PC3 DSI 2 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power 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	16.28	16.46	16.34	17.8	0		
20	QPSK	1	49	16.26	16.19	16.19				
20	QPSK	1	99	16.14	16.35	16.39				
20	QPSK	50	0	16.21	16.42	16.26	17.8	0		
20	QPSK	50	24	16.20	16.11	16.10				
20	QPSK	50	50	16.07	16.34	16.27				
20	QPSK	100	0	16.13	16.29	16.25	17.8	0		
20	16QAM	1	0	16.18	16.39	16.29				
20	16QAM	1	49	16.14	16.11	16.12				
20	16QAM	1	99	16.06	16.27	16.27	17.8	0		
20	16QAM	50	0	16.10	16.24	16.24				
20	16QAM	50	24	16.12	15.95	16.06				
20	16QAM	50	50	15.97	16.31	16.22	17.8	0		
20	16QAM	100	0	16.14	16.26	16.12				
20	64QAM	1	0	16.14	16.36	16.23				
20	64QAM	1	49	16.21	16.0					



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

Band 42 Ant4 DSI 2 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42990	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	14.31	14.38	14.25	15.2	0	
20	QPSK	1	49	14.25	14.23	14.34			
20	QPSK	1	99	14.29	14.25	14.16			
20	QPSK	50	0	14.25	14.35	14.11	15.2	0	
20	QPSK	50	24	14.17	14.12	14.18			
20	QPSK	50	50	14.14	14.15	14.29			
20	16QAM	1	0	14.28	14.31	14.22	15.2	0	
20	16QAM	1	49	14.17	14.17	14.22			
20	16QAM	1	99	14.14	14.20	14.15			
20	16QAM	50	0	14.29	14.33	14.04	15.2	0	
20	16QAM	50	24	14.10	14.12	14.09			
20	16QAM	50	50	14.14	14.13	14.26			
20	16QAM	100	0	14.20	14.24	14.12	15.2	0	
20	64QAM	1	0	14.24	14.30	14.23			
20	64QAM	1	49	14.20	14.11	14.16	15.2	0	
20	64QAM	1	99	14.22	14.20	14.10			
20	64QAM	50	0	14.14	14.29	14.10			
20	64QAM	50	24	14.08	13.99	14.13	15.2	0	
20	64QAM	50	50	14.12	14.06	14.20			
20	64QAM	100	0	14.14	14.16	14.13			



AntD DSI 3 Standalone									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
Tx Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)									
GSM 1 Tx slot	31.78	31.89	31.76	33.50	22.78	22.89	22.76	24.50	
GPRS 1 Tx slot	32.09	32.18	32.00	33.50	23.09	23.18	23.00	24.50	
GPRS 2 Tx slots	29.46	29.48	29.40	31.40	23.46	23.48	23.40	25.40	
GPRS 3 Tx slots	28.51	28.76	28.72	29.70	24.25	24.50	24.46	25.44	
GPRS 4 Tx slots	28.01	27.71	27.65	28.40	25.01	24.71	24.65	25.40	
EDGE 1 Tx slot	25.91	25.98	26.01	27.50	18.91	18.98	17.91	18.00	
EDGE 2 Tx slots	24.89	25.10	24.86	26.50	18.89	19.10	18.86	20.50	
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24	
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50	

AntD DSI 3 Simultaneous									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
Tx Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)									
GSM 1 Tx slot	32.21	32.03	32.10	33.10	23.21	23.03	23.10	24.10	
GPRS 1 Tx slot	32.19	32.08	31.98	33.10	23.19	23.08	22.98	24.10	
GPRS 2 Tx slots	30.05	30.06	30.07	30.10	24.05	24.06	24.07	24.10	
GPRS 3 Tx slots	27.14	26.87	26.83	28.40	22.88	22.61	22.57	24.14	
GPRS 4 Tx slots	27.02	26.97	27.02	27.10	24.02	23.97	24.02	24.10	
EDGE 1 Tx slot	25.96	25.91	25.99	27.00	16.96	16.91	16.99	18.00	
EDGE 1 Tx slot	24.91	25.99	24.88	26.50	16.91	16.99	17.84	20.50	
EDGE 3 Tx slots	23.48	23.32	23.18	24.50	19.22	19.06	18.92	20.24	
EDGE 4 Tx slots	21.84	21.90	21.99	23.50	18.84	18.90	18.99	20.50	

AntD DSI 3 Standalone									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
Tx Channel	1850.2	1860	1909.8		1850.2	1860	1909.8		
Frequency (MHz)									
GSM 1 Tx slot	22.51	22.55	22.54	24.10	13.51	13.55	13.54	15.10	
GPRS 1 Tx slot	22.55	22.49	22.47	24.10	13.55	13.48	13.47	15.10	
GPRS 2 Tx slots	19.33	19.34	19.35	21.10	13.33	13.34	13.35	15.10	
GPRS 3 Tx slots	18.05	18.30	18.26	19.40	13.79	14.04	14.00	15.14	
GPRS 4 Tx slots	16.33	16.31	16.28	18.10	13.33	13.31	13.28	15.10	
EDGE 1 Tx slot	22.99	22.97	22.94	24.10	13.99	13.97	13.94	15.10	
EDGE 2 Tx slots	20.11	20.07	20.11	21.10	14.11	14.07	14.11	15.10	
EDGE 3 Tx slots	18.38	18.32	18.30	19.40	14.12	14.06	14.04	15.14	
EDGE 4 Tx slots	17.02	16.98	16.96	18.10	14.02	13.98	13.96	15.10	

AntD DSI 3 Simultaneous									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
Tx Channel	1850.2	1860	1909.8		1850.2	1860	1909.8		
Frequency (MHz)									
GSM 1 Tx slot	22.51	22.55	22.54	24.10	13.51	13.55	13.54	15.10	
GPRS 1 Tx slot	22.55	22.49	22.47	24.10	13.55	13.48	13.47	15.10	
GPRS 2 Tx slots	19.33	19.34	19.35	21.10	13.33	13.34	13.35	15.10	
GPRS 3 Tx slots	18.05	18.30	18.26	19.40	13.79	14.04	14.00	15.14	
GPRS 4 Tx slots	16.33	16.31	16.28	18.10	13.33	13.31	13.28	15.10	
EDGE 1 Tx slot	22.99	22.97	22.94	24.10	13.99	13.97	13.94	15.10	
EDGE 2 Tx slots	20.11	20.07	20.11	21.10	14.11	14.07	14.11	15.10	
EDGE 3 Tx slots	18.38	18.32	18.30	19.40	14.12	14.06	14.04	15.14	
EDGE 4 Tx slots	17.02	16.98	16.96	18.10	14.02	13.98	13.96	15.10	

AntD DSI 3 Standalone				AntD DSI 3 Standalone				AntD DSI 3 Standalone			
Band		WCDMA II		Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V		
Tx Channel	Rx Channel	9262	9400		9538	1312	1413		1513	4132	4182
		9662	9800	9938	1537	1638	1738	4357	4407	4458	
Frequency (MHz)		1852.4	1860	1907.6	1712.4	1752.6	1752.6	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.51	18.57	18.58	19.40	17.70	17.77	17.71	18.50	22.95	
3GPP Rel 99	RMC 12.2Kbps	18.53	18.61	18.56	19.40	17.69	17.78	17.74	18.50	23.01	
3GPP Rel 6	HSDPA Subtest-1	17.55	17.71	17.69	18.40	16.67	16.76	16.63	17.50	20.96	
3GPP Rel 6	HSDPA Subtest-2	17.42	17.75	17.79	18.40	16.75	16.72	16.72	17.50	21.03	
3GPP Rel 6	HSDPA Subtest-3	17.23	16.99	17.03	17.90	16.27	16.18	16.17	17.00	20.39	
3GPP Rel 6	HSDPA Subtest-4	16.78	17.11	17.03	17.90	16.25	16.19	16.18	17.00	20.30	
3GPP Rel 6	DC-HSDPA Subtest-1	17.86	17.62	17.77	18.40	16.56	16.76	16.58	17.50	20.98	
3GPP Rel 6	DC-HSDPA Subtest-2	17.74	17.75	17.80	18.40	16.60	16.72	16.43	17.50	20.75	
3GPP Rel 6	DC-HSDPA Subtest-3	17.23	16.98	16.80	17.90	16.10	15.98	16.11	17.00	20.71	
3GPP Rel 6	DC-HSDPA Subtest-4	16.92	17.22	17.04	17.90	16.20	16.28	16.12	17.00	20.31	
3GPP Rel 6	HSUPA Subtest-1	17.68	17.52	17.82	18.40	16.64	16.57	16.64	17.50	20.83	
3GPP Rel 6	HSUPA Subtest-2	15.60	15.71	15.71	16.40	14.74	14.76	14.65	15.50	19.18	
3GPP Rel 6	HSUPA Subtest-3	16.63	16.61	16.36	17.40	15.69	15.50	15.64	16.50	19.86	
3GPP Rel 6	HSUPA Subtest-4	15.40	15.50	15.59	16.40	14.78	14.69	14.70	15.50	18.72	
3GPP Rel 6	HSUPA Subtest-5	17.43	17.65	17.78	18.40	16.69	16.78	16.65	17.50	20.63	

AntD DSI 3 Simultaneous				AntD DSI 3 Simultaneous				AntD DSI 3 Simultaneous			
Band		WCDMA II		Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V		
Tx Channel	Rx Channel	9262	9400		9538	1312	1413		1513	4132	4182
		9662	9800	9938	1537	1638	1738	4357	4407	4458	
Frequency (MHz)		1852.4	1860	1907.6	1712.4	1752.6	1752.6	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	13.84	13.58	13.59	14.80	13.46	13.49	13.45	14.60	21.55	
3GPP Rel 99	RMC 12.2Kbps	13.85	13.63	13.58	14.80	13.47	13.55	14.60	21.56	21.60	
3GPP Rel 6	HSDPA Subtest-1	12.56	12.73	12.71	13.80	12.46	12.53	12.38	13.60	19.63	
3GPP Rel 6	HSDPA Subtest-2	12.43	12.78	12.79	13.80	12.47	12.49	12.47	13.60	19.62	
3GPP Rel 6	HSDPA Subtest-3	12.24	12.01	12.06	13.30	12.03	11.91	11.92	13.10	19.01	
3GPP Rel 6	HSDPA Subtest-4	11.82	12.15	12.07	13.30	12.01	11.91	11.93	13.10	18.94	
3GPP Rel 6	DC-HSDPA Subtest-1	12.88	12.64	12.79	13.80	12.30	12.52	12.32	13.60	19.59	
3GPP Rel 6	DC-HSDPA Subtest-2	12.77	12.78	12.82	13.80	12.32	12.48	12.22	13.60	19.39	
3GPP Rel 6	DC-HSDPA Subtest-3	12.25	12.00	11.82	13.30	11.81	11.76	11.85	13.10	19.31	
3GPP Rel 6	DC-HSDPA Subtest-4	11.94	12.24	12.07	13.30	11.96	12.03	11.88	13.10	18.99	
3GPP Rel 6	HSUPA Subtest-1	12.69	12.56	12.82	13.80	12.38	12.33	12.37	13.60	19.46	
3GPP Rel 6	HSUPA Subtest-2	10.60	10.72	10.71	11.80	10.52	10.50	10.40	11.60	17.75	
3GPP Rel 6	HSUPA Subtest-3	11.64	11.65	11.37	12.80	11.41	11.23	11.40	12.60	18.48	
3GPP Rel 6	HSUPA Subtest-4	10.43	10.52	10.60	11.80	10.53	10.43	10.44	11.60	17.40	
3GPP Rel 6	HSUPA Subtest-5	12.45	12.67	12.80	13.80	12.46	12.50	12.43	13.60	19.41	



Ant1 DSI 3 Standalone									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	129	189	251	128		189	251		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8			
GSM 1 Tx slot	32.49	32.61	32.54	33.50	23.49	23.61	23.54	24.50	
GPRS 1 Tx slot	32.46	32.57	32.49	33.50	23.46	23.57	23.49	24.50	
GPRS 2 Tx slots	29.59	29.66	29.63	30.70	23.59	23.66	23.63	24.70	
GPRS 3 Tx slots	27.75	27.87	27.73	29.00	23.49	23.61	23.47	24.74	
GPRS 4 Tx slots	26.68	26.76	26.68	27.70	23.68	23.76	23.68	24.70	
EDGE 1 Tx slot	25.77	25.91	25.79	27.00	18.77	18.91	18.79	18.60	
EDGE 2 Tx slots	24.54	24.66	24.62	25.50	18.54	18.66	18.62	20.50	
EDGE 3 Tx slots	23.34	23.44	23.31	24.50	19.08	19.18	19.05	20.24	
EDGE 4 Tx slots	21.61	21.71	21.58	23.50	18.61	18.71	18.56	20.50	

Ant1 DSI 3 Simultaneous									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	129	189	251	128		189	251		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8			
GSM 1 Tx slot	31.74	31.88	31.84	32.40	22.74	22.88	22.84	23.40	
GPRS 1 Tx slot	31.72	31.80	31.69	32.40	22.72	22.80	22.69	23.40	
GPRS 2 Tx slots	28.34	28.45	28.45	29.40	22.34	22.45	22.45	23.40	
GPRS 3 Tx slots	26.85	26.86	26.79	27.70	22.59	22.60	22.53	23.44	
GPRS 4 Tx slots	25.23	25.37	25.31	26.40	22.23	22.37	22.31	23.40	
EDGE 1 Tx slot	25.91	25.91	25.77	27.00	18.91	18.91	18.77	18.00	
EDGE 2 Tx slots	24.52	24.66	24.54	26.50	18.52	18.66	18.54	20.50	
EDGE 3 Tx slots	23.34	23.44	23.31	24.50	19.08	19.18	19.05	20.24	
EDGE 4 Tx slots	21.56	21.71	21.61	23.50	18.56	18.71	18.61	20.50	

Ant1 DSI 3 Standalone					
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	4357	
Rx Channel	4357	4407	4458	4357	
Frequency (MHz)	826.4	836.4	846.6	826.4	
3GPP Rel 99	AMR 12.2Kbps	21.64	21.66	21.66	23.40
3GPP Rel 99	RMC 12.2Kbps	21.72	21.75	21.66	23.40
3GPP Rel 6	HSDPA Subtest-1	20.73	20.85	20.87	22.40
3GPP Rel 6	HSDPA Subtest-2	20.61	20.74	20.67	22.40
3GPP Rel 6	HSDPA Subtest-3	20.15	20.39	20.21	21.90
3GPP Rel 6	HSDPA Subtest-4	20.10	20.28	20.19	21.90
3GPP Rel 8	DC-HSDPA Subtest-1	20.77	20.83	20.68	22.40
3GPP Rel 8	DC-HSDPA Subtest-2	20.79	20.77	20.70	22.40
3GPP Rel 8	DC-HSDPA Subtest-3	20.29	20.27	20.27	21.90
3GPP Rel 8	DC-HSDPA Subtest-4	20.21	20.22	20.20	21.90
3GPP Rel 6	HSUPA Subtest-1	20.64	20.60	20.48	22.40
3GPP Rel 6	HSUPA Subtest-2	18.95	18.76	18.80	20.40
3GPP Rel 6	HSUPA Subtest-3	19.67	19.90	19.91	21.40
3GPP Rel 6	HSUPA Subtest-4	18.59	18.38	18.63	20.40
3GPP Rel 6	HSUPA Subtest-5	20.60	20.68	20.71	22.40

Ant1 DSI 3 Simultaneous					
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	4357	
Rx Channel	4357	4407	4458	4357	
Frequency (MHz)	826.4	836.4	846.6	826.4	
3GPP Rel 99	AMR 12.2Kbps	20.42	20.39	20.44	22.10
3GPP Rel 99	RMC 12.2Kbps	20.48	20.50	20.47	22.10
3GPP Rel 6	HSDPA Subtest-1	19.48	19.67	19.63	21.10
3GPP Rel 6	HSDPA Subtest-2	19.38	19.49	19.45	21.10
3GPP Rel 6	HSDPA Subtest-3	18.90	19.16	18.98	20.80
3GPP Rel 6	HSDPA Subtest-4	18.83	19.04	18.95	20.80
3GPP Rel 8	DC-HSDPA Subtest-1	19.49	19.60	19.45	21.10
3GPP Rel 8	DC-HSDPA Subtest-2	19.50	19.57	19.44	21.10
3GPP Rel 8	DC-HSDPA Subtest-3	19.02	19.00	19.07	20.60
3GPP Rel 8	DC-HSDPA Subtest-4	18.99	19.00	18.91	20.60
3GPP Rel 6	HSUPA Subtest-1	19.45	19.34	19.18	21.10
3GPP Rel 6	HSUPA Subtest-2	17.42	17.57	17.59	19.10
3GPP Rel 6	HSUPA Subtest-3	18.45	18.67	18.70	20.10
3GPP Rel 6	HSUPA Subtest-4	17.30	17.14	17.41	19.10
3GPP Rel 6	HSUPA Subtest-5	19.39	19.46	19.47	21.10



Band 2 Ant0 DSI 3 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)	MPE (dB)		
Channel										
1860 1860 1900										
20	QPSK	1	0	18.41	18.45	18.40				
20	QPSK	1	49	18.41	18.36	18.37	19.1	0		
20	QPSK	1	99	18.41	18.36	18.37				
20	QPSK	50	0	18.31	18.35	18.29				
20	QPSK	50	24	18.29	18.35	18.31				
20	QPSK	50	50	18.32	18.29	18.29				
20	QPSK	100	0	18.29	18.35	18.34				
20	QPSK	100	24	18.32	18.35	18.28				
20	QPSK	100	50	18.30	18.31	18.12	19.1	0		
20	16QAM	1	0	18.25	18.26	18.26				
20	16QAM	1	49	18.30	18.31	18.12				
20	16QAM	1	99	18.32	18.26	18.31				
20	16QAM	50	0	18.25	18.26	18.26				
20	16QAM	50	24	18.21	18.27	18.21				
20	16QAM	50	50	18.23	18.26	18.31				
20	16QAM	100	0	18.25	18.26	18.26				
20	16QAM	100	24	18.21	18.27	18.21				
20	16QAM	100	50	18.23	18.26	18.31				
20	64QAM	1	0	18.35	18.38	18.33				
20	64QAM	1	49	18.31	18.36	18.31	19.1	0		
20	64QAM	1	99	18.35	18.36	18.36				
20	64QAM	50	0	18.24	18.31	18.26				
20	64QAM	50	24	18.20	18.28	18.31				
20	64QAM	50	50	18.24	18.28	18.31				
20	64QAM	100	0	18.20	18.30	18.24	19.1	0		
20	64QAM	100	24	18.24	18.28	18.31				
20	64QAM	100	50	18.20	18.30	18.24				
20	256QAM	1	0	18.22	18.23	18.24				
20	256QAM	1	49	18.22	18.23	18.24	19	0.1		
20	256QAM	1	99	18.25	18.19	18.24				
20	256QAM	50	0	18.25	18.23	18.23				
20	256QAM	50	24	18.15	18.20	18.25				
20	256QAM	50	50	18.14	18.10	18.10	19	0.1		
20	256QAM	100	0	18.11	18.20	18.27				
Channel										
1867.5 1860 1900 1905										
15	QPSK	1	0	17.96	17.97	17.92				
15	QPSK	1	39	17.91	17.96	17.94	19.1	0		
15	QPSK	1	74	17.92	17.96	17.99				
15	QPSK	36	0	17.46	17.50	17.49				
15	QPSK	36	24	17.42	17.46	17.45				
15	QPSK	36	39	17.42	17.40	17.41	19.1	0		
15	QPSK	75	0	17.42	17.49	17.25				
15	16QAM	1	0	17.46	17.47	17.49				
15	16QAM	1	37	17.43	17.42	17.24	19.1	0		
15	16QAM	1	74	17.41	17.42	17.42				
15	16QAM	36	0	17.36	17.42	17.37				
15	16QAM	36	20	17.33	17.41	17.14	19.1	0		
15	16QAM	36	29	17.35	17.39	17.37				
15	16QAM	75	0	17.34	17.40	17.36				
15	64QAM	1	0	17.48	17.51	17.48	19.1	0		
15	64QAM	1	39	17.45	17.49	17.48				
15	64QAM	1	74	17.46	17.53	17.42				
15	64QAM	36	0	17.38	17.43	17.40	19.1	0		
15	64QAM	36	29	17.38	17.39	17.42				
15	64QAM	36	39	17.36	17.34	17.33				
15	64QAM	75	0	17.31	17.41	17.35				
15	256QAM	1	0	17.34	17.41	17.38				
15	256QAM	1	37	17.35	17.33	17.15	19	0.1		
15	256QAM	1	74	17.37	17.30	17.37				
15	256QAM	36	0	17.32	17.38	17.37				
15	256QAM	36	20	17.28	17.31	17.29	19	0.1		
15	256QAM	36	39	17.27	17.21	17.23				
15	256QAM	75	0	17.23	17.31	17.23				
Channel										
1865 1860 1890 1905										
10	QPSK	1	0	17.62	17.63	17.63				
10	QPSK	1	25	17.47	17.48	17.29	19.1	0		
10	QPSK	1	49	17.56	17.48	17.51				
10	QPSK	12	0	17.46	17.46	17.46				
10	QPSK	12	12	17.40	17.46	17.23	19.1	0		
10	QPSK	25	0	17.40	17.48	17.39				
10	QPSK	25	12	17.40	17.46	17.23				
10	16QAM	1	0	17.46	17.51	17.52				
10	16QAM	1	24	17.37	17.44	17.21	19.1	0		
10	16QAM	1	49	17.40	17.46	17.48				
10	16QAM	12	0	17.39	17.43	17.31				
10	16QAM	12	12	17.31	17.38	17.23	19.1	0		
10	16QAM	25	0	17.32	17.44	17.13				
10	64QAM	1	0	17.46	17.52	17.48	19.1	0		
10	64QAM	1	24	17.43	17.44	17.26				
10	64QAM	1	49	17.43	17.32	17.44				
10	64QAM	25	0	17.39	17.40	17.33	19.1	0		
10	64QAM	25	12	17.34	17.38	17.28				
10	64QAM	25	25	17.33	17.36	17.34				
10	256QAM	1	0	17.34	17.38	17.34				
10	256QAM	1	24	17.34	17.36	17.28	19	0.1		
10	256QAM	1	49	17.32	17.34	17.13				
10	256QAM	12	0	17.34	17.33	17.31				
10	256QAM	12	12	17.25	17.34	17.26	19.1	0.1		
10	256QAM	12	25	17.22	17.23	17.19				
10	256QAM	25	0	17.25	17.20	17.25				
Channel										
1862.5 1860 1890 1905										
5	QPSK	1	0	17.63	17.63	17.63				
5	QPSK	1	12	17.49	17.47	17.36	19.1	0		
5	QPSK	1	24	17.50	17.42	17.41				
5	QPSK	12	0	17.46	17.46	17.46				
5	QPSK	12	7	17.47	17.47	17.43				
5	QPSK	12	13	17.38	17.34	17.43	19.1	0		
5	QPSK	25	0	17.47	17.46	17.43				
5	16QAM	1	0	17.45	17.50	17.52				
5	16QAM	1	12	17.38	17.46	17.18	19.1	0		
5	16QAM	1	24	17.48	17.46	17.28				
5	16QAM	12	0	17.30	17.42	17.29				
5	16QAM	12	7	17.25	17.44	17.26	19.1	0		
5	16QAM	12	13	17.29	17.36	17.28				
5	16QAM	25	0	17.25	17.37	17.13				
5	64QAM	1	0	17.40	17.43	17.31	19.1	0		
5	64QAM	1	12	17.44	17.39	17.28				
5	64QAM	1	24	17.44	17.42	17.39				
5	64QAM	12	0	17.37	17.48	17.36	19.1	0		
5	64QAM	12	7	17.33	17.39	17.29				
5	64QAM	12	13	17.27	17.30	17.26				
5	64QAM	25	0	17.32	17.40	17.23				
5	256QAM	1	0	17.30	17.45	17.33				
5	256QAM	1	12	17.31	17.28	17.18	19	0.1		
5	256QAM	1	24	17.34	17.35	17.21				
5	256QAM	12	0	17.34	17.29	17.17	19.1	0.1		
5	256QAM	12	13	17.21	17.23	17.11				
5	256QAM	25	0	17.22	17.35	17.11				
Channel										
1861.5 1860 1890 1905										
3	QPSK	1	0	17.51	17.64	17.50				
3	QPSK	1	4	17.48	17.47	17.31	19.1	0		
3	QPSK	1	14	17.53	17.49	17.48				
3	QPSK	1	16	17.44	17.44	17.44				
3	QPSK	8	4	17.39	17.45	17.23	19.1	0		
3	QPSK	8	7	17.30	17.39	17.42				
3	QPSK	15	0	17.44	17.56	17.29				
3	16QAM	1	0	17.49	17.51	17.47				
3	16QAM	1	8	17.46	17.44	17.28	19.1	0		
3	16QAM	1	16	17.49	17.46	17.28				
3	16QAM	8	0	17.42	17.42	17.36				



Band 4 Ant0 DSI 3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MFR (dB)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	13.96	13.71	13.59			
20	QPSK	1	49	13.43	13.68	13.81	14.7	0	
20	QPSK	1	99	13.42	13.67	13.42			
20	QPSK	50	0	13.42	13.67	13.42			
20	QPSK	50	24	13.46	13.61	13.46			
20	QPSK	50	50	13.42	13.41	13.37	14.7	0	
20	QPSK	100	0	13.31	13.53	13.32			
20	16QAM	1	49	13.49	13.52	13.60	14.7	0	
20	16QAM	1	99	13.31	13.30	13.45			
20	16QAM	50	0	13.36	13.36	13.35			
20	16QAM	50	24	13.44	13.43	13.35	14.7	0	
20	16QAM	50	50	13.26	13.26	13.29			
20	16QAM	100	0	13.26	13.28	13.14			
20	64QAM	1	0	13.50	13.58	13.48			
20	64QAM	1	49	13.36	13.43	13.43	14.7	0	
20	64QAM	1	99	13.36	13.42	13.42			
20	64QAM	50	0	13.50	13.43	13.41			
20	64QAM	50	24	13.51	13.36	13.34	14.7	0	
20	64QAM	50	50	13.23	13.26	13.34			
20	64QAM	100	0	13.37	13.32	13.24			
20	256QAM	1	49	13.44	13.47	13.46	14.7	0	
20	256QAM	1	99	13.29	13.48	13.46			
20	256QAM	50	24	13.48	13.44	13.37	14.7	0	
20	256QAM	50	50	13.38	13.38	13.38			
20	256QAM	100	0	13.30	13.29	13.24			
Channel									
Frequency (MHz)									
15	QPSK	1	0	13.61	13.66	13.68			
15	QPSK	1	49	13.99	13.96	13.93	14.7	0	
15	QPSK	1	99	13.32	13.48	13.48			
15	QPSK	36	0	13.30	13.31	13.30			
15	QPSK	36	20	13.30	13.42	13.28			
15	QPSK	36	36	13.29	13.30	13.30	14.7	0	
15	QPSK	75	0	13.44	13.46	13.33			
15	16QAM	1	49	13.44	13.38	13.31	14.7	0	
15	16QAM	1	99	13.55	13.46	13.33			
15	16QAM	1	74	13.31	13.27	13.27			
15	16QAM	36	0	13.31	13.24	13.24			
15	16QAM	36	20	13.35	13.28	13.19	14.7	0	
15	16QAM	75	0	13.28	13.24	13.00			
15	64QAM	1	0	13.45	13.50	13.35			
15	64QAM	1	49	13.46	13.47	13.43	14.7	0	
15	64QAM	1	99	13.21	13.41	13.34			
15	64QAM	36	0	13.38	13.37	13.34			
15	64QAM	36	20	13.36	13.27	13.22	14.7	0	
15	64QAM	75	0	13.30	13.28	13.16			
15	256QAM	1	49	13.40	13.36	13.40	14.7	0	
15	256QAM	1	99	13.40	13.36	13.46			
15	256QAM	36	20	13.34	13.34	13.31	14.7	0	
15	256QAM	36	36	13.25	13.27	13.29			
15	256QAM	75	0	13.20	13.15	13.17			
Channel									
Frequency (MHz)									
10	QPSK	1	0	13.60	13.62	13.62			
10	QPSK	1	25	13.62	13.62	13.48	14.7	0	
10	QPSK	1	49	13.32	13.44	13.51			
10	QPSK	1	74	13.38	13.46	13.37			
10	QPSK	25	12	13.36	13.37	13.35			
10	QPSK	25	25	13.38	13.27	13.26	14.7	0	
10	16QAM	1	49	13.31	13.41	13.17	14.7	0	
10	16QAM	1	25	13.34	13.48	13.40			
10	16QAM	1	25	13.48	13.45	13.33			
10	16QAM	25	12	13.28	13.23	13.28	14.7	0	
10	16QAM	25	12	13.39	13.38	13.29			
10	16QAM	25	25	13.10	13.41	13.32			
10	16QAM	50	0	13.27	13.32	13.03			
10	64QAM	1	0	13.38	13.43	13.39			
10	64QAM	1	49	13.46	13.42	13.17	14.7	0	
10	64QAM	1	49	13.21	13.45	13.33			
10	64QAM	25	0	13.34	13.35	13.31			
10	64QAM	25	12	13.43	13.32	13.31	14.7	0	
10	64QAM	25	25	13.10	13.26	13.28			
10	64QAM	50	0	13.29	13.21	13.13			
10	256QAM	1	49	13.38	13.41	13.32	14.7	0	
10	256QAM	1	25	13.32	13.38	13.43			
10	256QAM	1	49	13.24	13.34	13.39			
10	256QAM	25	12	13.40	13.29	13.29	14.7	0	
10	256QAM	25	12	13.40	13.29	13.29			
10	256QAM	25	25	13.30	13.23	13.27	14.7	0	
10	256QAM	50	0	13.20	13.15	13.28			
Channel									
Frequency (MHz)									
5	QPSK	1	0	13.51	13.63	13.63			
5	QPSK	1	12	13.54	13.48	13.47	14.7	0	
5	QPSK	1	24	13.38	13.46	13.46			
5	QPSK	12	0	13.36	13.46	13.36			
5	QPSK	12	7	13.31	13.47	13.29	14.7	0	
5	QPSK	12	13	13.37	13.36	13.25			
5	QPSK	25	0	13.18	13.40	13.16			
5	16QAM	1	0	13.35	13.48	13.32	14.7	0	
5	16QAM	1	12	13.35	13.50	13.28			
5	16QAM	1	12	13.20	13.38	13.36			
5	16QAM	12	0	13.27	13.21	13.25	14.7	0	
5	16QAM	12	13	13.37	13.32	13.21			
5	16QAM	25	0	13.18	13.30	13.18	14.7	0	
5	16QAM	25	0	13.24	13.28	13.01			
5	64QAM	1	0	13.44	13.52	13.38			
5	64QAM	1	24	13.48	13.29	13.38	14.7	0	
5	64QAM	1	24	13.23	13.41	13.38			
5	64QAM	12	0	13.35	13.30	13.34			
5	64QAM	12	13	13.45	13.31	13.27	14.7	0	
5	64QAM	25	0	13.26	13.16	13.08			
5	256QAM	1	0	13.35	13.43	13.37			
5	256QAM	1	12	13.35	13.29	13.47	14.7	0	
5	256QAM	1	24	13.17	13.32	13.38			
5	256QAM	12	0	13.19	13.31	13.33			
5	256QAM	12	7	13.42	13.36	13.25	14.7	0	
5	256QAM	12	13	13.29	13.21	13.28			
5	256QAM	25	0	13.21	13.19	13.28			
Channel									
Frequency (MHz)									
3	QPSK	1	0	13.61	13.63	13.63			
3	QPSK	1	8	13.60	13.63	13.47	14.7	0	
3	QPSK	1	14	13.32	13.43	13.56			
3	QPSK	8	0	13.37	13.41	13.29			
3	QPSK	8	4	13.36	13.39	13.34	14.7	0	
3	QPSK	8	7	13.33	13.36	13.21			
3	QPSK	14	0	13.17	13.44	13.18			
3	16QAM	1	0	13.43	13.38	13.39			
3	16QAM	1	8	13.50	13.42	13.38	14.7	0	
3	16QAM	1	14	13.26	13.30	13.30			
3	16QAM	8	0	13.23	13.26	13.26			
3	16QAM	8	4	13.39	13.37	13.24	14.7	0	
3	16QAM	14	0	13.19	13.20	13.17			
3	16QAM	16	0	13.25	13.28	13.00			
3	64QAM	1	0	13.41	13.44	13.34			
3	64QAM	1	8	13.42	13.27	13.30	14.7	0	
3	64QAM	1	14	13.23	13.43	13.33			
3	64QAM	8	0	13.36	13.36	13.29			
3	64QAM	8	7	13.14	13.32	13.21	14.7	0	
3	64QAM	16	0	13.38	13.26	13.24			
3	256QAM	1	0	13.38	13.47	13.40			
3	256QAM	1	8	13.34	13.29	13.40	14.7	0	
3	256QAM	1	14	13.36	13.46	13.37			
3	256QAM	8	0	13.39	13.30	13.24	14.7	0	
3	256QAM	8	7	13.36	13.26	13.26			
3	256QAM	16	0	13.23	13.24	13.27			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	13.99	13.92	13.46			
1.4	QPSK	1	5	13.56	13.49	13.48	14.7	0	
1.4	QPSK	1	5	13.32	13.62	13.47			
1.4	QPSK	3	0	13.38	13.44	13.37			</



Band 13 Ant0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)	MPE (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.84	22.84	22.84	24	1	0
10	QPSK	1	48	22.89	22.89	22.89	24	0.1	0
10	QPSK	25	0	22.93	22.93	22.93	24	0.1	0
10	QPSK	25	12	22.95	22.95	22.95	24	0.1	0
10	QPSK	25	24	22.97	22.97	22.97	24	0.1	0
10	QPSK	50	0	22.97	22.97	22.97	24	0.1	0
10	16QAM	1	24	22.73	22.73	22.73	23	1.1	0
10	16QAM	1	48	22.85	22.85	22.85	23	1.1	0
10	16QAM	25	12	22.92	22.92	22.92	23	1.1	0
10	16QAM	25	24	22.94	22.94	22.94	23	1.1	0
10	64QAM	1	0	22.92	22.92	22.92	23	1.1	0
10	64QAM	1	24	22.94	22.94	22.94	23	1.1	0
10	64QAM	25	12	22.96	22.96	22.96	23	1.1	0
10	64QAM	25	24	22.98	22.98	22.98	23	1.1	0
10	256QAM	1	0	19.37	19.37	19.37	20	4.1	0
10	256QAM	1	24	19.39	19.39	19.39	20	4.1	0
10	256QAM	25	12	19.31	19.31	19.31	20	4.1	0
10	256QAM	25	24	19.33	19.33	19.33	20	4.1	0
10	256QAM	50	0	19.29	19.29	19.29	20	4.1	0
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.86	22.87	22.88	24	1	0
5	QPSK	1	12	22.87	22.79	22.84	24	1	0
5	QPSK	1	24	22.79	22.81	22.84	24	1	0
5	QPSK	12	0	22.73	22.73	22.82	24	0.1	0
5	QPSK	12	7	22.81	22.84	22.71	24	0.1	0
5	QPSK	12	13	22.70	22.74	22.70	24	0.1	0
5	16QAM	1	0	22.85	22.85	22.72	24	0.1	0
5	16QAM	1	12	22.81	22.88	22.59	24	0.1	0
5	16QAM	12	7	22.26	22.27	22.15	23	1.1	0
5	16QAM	12	0	22.42	22.39	22.46	23	1.1	0
5	16QAM	25	0	22.17	22.11	22.18	23	1.1	0
5	64QAM	1	0	22.35	22.34	22.41	23	1.1	0
5	64QAM	1	0	19.46	19.43	19.47	20	4.1	0
5	64QAM	12	0	22.29	22.18	22.31	23	1.1	0
5	64QAM	12	7	21.38	21.39	21.47	23	1.1	0
5	64QAM	25	0	21.12	21.12	21.19	23	1.1	0
5	64QAM	25	0	21.30	21.26	21.27	23	1.1	0
5	256QAM	1	0	19.46	19.43	19.47	20	4.1	0
5	256QAM	1	12	19.52	19.48	19.61	20	4.1	0
5	256QAM	12	0	19.37	19.26	19.34	20	4.1	0
5	256QAM	12	7	19.29	19.24	19.34	20	4.1	0
5	256QAM	12	13	19.46	19.36	19.32	20	4.1	0
5	256QAM	25	0	19.38	19.21	19.29	20	4.1	0

Band 66 Ant0 DSI3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)	MPE (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.69	17.71	17.63	18.4	0	0
20	QPSK	1	48	17.83	17.61	17.59	18.4	0	0
20	QPSK	50	0	17.54	17.62	17.51	18.4	0	0
20	QPSK	50	24	17.63	17.57	17.54	18.4	0	0
20	QPSK	100	0	17.43	17.51	17.40	18.4	0	0
20	16QAM	1	48	17.80	17.57	17.51	18.4	0	0
20	16QAM	1	96	17.42	17.50	17.50	18.4	0	0
20	16QAM	50	0	17.42	17.51	17.43	18.4	0	0
20	16QAM	50	24	17.54	17.51	17.47	18.4	0	0
20	16QAM	100	0	17.38	17.41	17.38	18.4	0	0
20	16QAM	100	0	17.38	17.46	17.39	18.4	0	0
20	64QAM	1	0	17.59	17.52	17.52	18.4	0	0
20	64QAM	50	0	17.49	17.51	17.46	18.4	0	0
20	64QAM	50	24	17.57	17.42	17.44	18.4	0	0
20	64QAM	100	0	17.34	17.47	17.45	18.4	0	0
20	64QAM	100	0	17.38	17.46	17.38	18.4	0	0
20	256QAM	1	0	17.67	17.63	17.62	18.4	0	0
20	256QAM	1	48	17.59	17.59	17.55	18.4	0	0
20	256QAM	1	96	17.41	17.55	17.50	18.4	0	0
20	256QAM	50	0	17.44	17.46	17.42	18.4	0	0
20	256QAM	50	24	17.51	17.46	17.42	18.4	0	0
20	256QAM	100	0	17.37	17.41	17.43	18.4	0	0
20	256QAM	100	0	17.41	17.43	17.33	18.4	0	0
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.58	17.63	17.56	18.4	0	0
15	QPSK	1	37	17.63	17.56	17.54	18.4	0	0
15	QPSK	1	74	17.46	17.50	17.47	18.4	0	0
15	QPSK	36	0	17.48	17.50	17.45	18.4	0	0
15	QPSK	36	18	17.51	17.49	17.42	18.4	0	0
15	QPSK	36	36	17.38	17.45	17.42	18.4	0	0
15	16QAM	1	0	17.48	17.48	17.45	18.4	0	0
15	16QAM	1	48	17.67	17.63	17.62	18.4	0	0
15	16QAM	1	97	17.41	17.55	17.41	18.4	0	0
15	16QAM	36	0	17.31	17.45	17.35	18.4	0	0
15	16QAM	36	18	17.46	17.42	17.37	18.4	0	0
15	16QAM	36	36	17.47	17.44	17.44	18.4	0	0
15	16QAM	75	0	17.29	17.36	17.18	18.4	0	0
15	64QAM	1	0	17.52	17.51	17.48	18.4	0	0
15	64QAM	1	0	17.47	17.44	17.44	18.4	0	0
15	64QAM	1	74	17.37	17.51	17.35	18.4	0	0
15	64QAM	36	0	17.42	17.42	17.38	18.4	0	0
15	64QAM	36	18	17.45	17.43	17.44	18.4	0	0
15	64QAM	36	36	17.27	17.40	17.34	18.4	0	0
15	64QAM	75	0	17.30	17.31	17.23	18.4	0	0
15	256QAM	1	0	17.52	17.52	17.47	18.4	0	0
15	256QAM	1	74	17.32	17.47	17.40	18.4	0	0
15	256QAM	36	0	17.46	17.46	17.35	18.4	0	0
15	256QAM	36	18	17.44	17.35	17.30	18.4	0	0
15	256QAM	36	36	17.29	17.30	17.38	18.4	0	0
15	256QAM	75	0	17.28	17.33	17.22	18.4	0	0
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.67	17.67	17.62	18.4	0	0
10	QPSK	1	25	17.60	17.63	17.56	18.4	0	0
10	QPSK	1	49	17.44	17.46	17.53	18.4	0	0
10	QPSK	25	0	17.55	17.55	17.52	18.4	0	0
10	QPSK	25	12	17.53	17.51	17.42	18.4	0	0
10	QPSK	25	25	17.34	17.48	17.37	18.4	0	0
10	16QAM	1	0	17.54	17.50	17.44	18.4	0	0
10	16QAM	1	25	17.46	17.43	17.41	18.4	0	0
10	16QAM	1	49	17.30	17.47	17.34	18.4	0	0
10	16QAM	25	12	17.42	17.46	17.40	18.4	0	0
10	16QAM	25	25	17.28	17.32	17.26	18.4	0	0
10	16QAM	50	0	17.29	17.40	17.27	18.4	0	0
10	64QAM	1	0	17.53	17.47	17.43	18.4	0	0
10	64QAM	1	25	17.46	17.41	17.45	18.4	0	0
10	64QAM	1	49	17.38	17.54	17.41	18.4	0	0
10	64QAM	25	0	17.43	17.46	17.37	18.4	0	0
10	64QAM	25	12	17.45	17.45	17.45	18.4	0	0
10	64QAM	25	25	17.23	17.34	17.39	18.4	0	0
10	64QAM	50	0	17.35	17.35	17.26	18.4	0	0
10	256QAM	1	0	17.51	17.51	17.50	18.4	0	0
10	256QAM	1	49	17.30	17.43	17.37	18.4	0	0
10	256QAM	25	0	17.41	17.45	17.35	18.4	0	0
10	256QAM	25	12	17.42	17.39	17.38	18.4	0	0
10	256QAM	25	25	17.28	17.34	17.30	18.4	0	0
10	256QAM	50	0	17.27	17.33	17.22	18.4	0	0
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.61	17.62	17.54	18.4	0	0
3	QPSK	1	8	17.61	17.57	17.52	18.4	0	0
3	QPSK	1	14	17.42	17.53	17.50	18.4	0	0
3	QPSK	8	0	17.44	17.53	17.45	18.4	0	0
3	QPSK	8	4	17.60	17.49	17.44	18.4	0	0
3	QPSK	8	7	17.39	17.43				



Band 38 Ant0 PC3 DSI 3 Standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [dBm]	Power Ch / Freq [dBm]	Power Ch / Freq [dBm]	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency [MHz]				37850	38000	38150				
20	QPSK	1	0	19.26	19.26	19.26				
20	QPSK	1	48	19.30	19.30	19.34			21.1	0
20	QPSK	1	96	19.30	19.32	19.38				
20	QPSK	50	0	19.31	19.32	19.44				
20	QPSK	50	24	19.37	19.32	19.40			21.1	0
20	QPSK	50	48	19.37	19.34	19.38				
20	QPSK	100	0	19.30	19.42	19.37				
20	HQAM	1	0	19.35	19.33	19.37			21.1	0
20	HQAM	1	48	19.37	19.28	19.38				
20	HQAM	50	0	19.35	19.44	19.39				
20	HQAM	50	24	19.40	19.33	19.44			21.1	0
20	HQAM	50	48	19.39	19.30	19.38				
20	HQAM	100	0	19.32	19.48	19.27				
20	HQAM	100	0	19.30	19.32	19.34			21.1	0
20	HQAM	1	96	19.33	19.32	19.30				
20	HQAM	50	24	19.23	19.34	19.32			21.1	0
20	HQAM	50	48	19.38	19.31	19.30				
20	HQAM	100	0	19.29	19.31	19.35				
20	ZSSBAM	1	0	18.83	18.74	18.89			19	2.1
20	ZSSBAM	1	48	18.86	18.79	18.96				
20	ZSSBAM	1	96	18.91	18.82	18.87				
20	ZSSBAM	50	0	18.92	18.88	18.88			19	2.1
20	ZSSBAM	50	24	18.92	18.88	18.87				
20	ZSSBAM	50	48	18.93	18.81	18.91				
20	ZSSBAM	100	0	18.79	18.77	18.88				
Channel										
Frequency [MHz]										
15	QPSK	1	0	19.15	19.42	19.19			21.1	0
15	QPSK	1	31	19.11	19.28	19.21				
15	QPSK	1	74	19.21	19.31	19.32				
15	QPSK	36	0	19.25	19.43	19.31				
15	QPSK	36	36	19.27	19.18	19.27			21.1	0
15	QPSK	36	72	19.26	19.40	19.25				
15	QPSK	75	0	19.20	19.33	19.27				
15	HQAM	1	0	19.22	19.23	19.22			21.1	0
15	HQAM	1	37	19.16	19.20	19.31				
15	HQAM	1	74	19.32	19.19	19.25				
15	HQAM	36	0	19.25	19.42	19.34			21.1	0
15	HQAM	36	36	19.21	19.35	19.35				
15	HQAM	36	72	19.32	19.11	19.34				
15	HQAM	75	0	19.22	19.40	19.20				
15	HQAM	1	0	19.21	19.23	19.29			21.1	0
15	HQAM	1	37	19.30	19.19	19.36				
15	HQAM	1	74	19.24	19.24	19.23				
15	HQAM	36	36	19.16	19.22	19.29			21.1	0
15	HQAM	36	72	19.22	19.23	19.29				
15	HQAM	75	0	19.22	19.23	19.29				
15	ZSSBAM	1	0	18.73	18.80	18.81			19	2.1
15	ZSSBAM	1	37	18.71	18.71	18.71				
15	ZSSBAM	1	74	18.70	18.78	18.79				
15	ZSSBAM	36	0	18.76	18.89	18.77			19	2.1
15	ZSSBAM	36	36	18.72	18.69	18.76				
15	ZSSBAM	75	0	18.71	18.82	18.74				
Channel										
Frequency [MHz]										
10	QPSK	1	0	19.11	19.44	19.21			21.1	0
10	QPSK	1	24	19.26	19.26	19.22				
10	QPSK	1	48	19.17	19.16	19.31				
10	QPSK	25	0	19.22	19.36	19.37				
10	QPSK	25	12	19.22	19.31	19.31			21.1	0
10	QPSK	25	24	19.21	19.23	19.29				
10	QPSK	50	0	19.16	19.27	19.23				
10	HQAM	1	0	19.22	19.20	19.27			21.1	0
10	HQAM	1	48	19.30	19.12	19.24				
10	HQAM	1	96	19.24	19.31	19.35				
10	HQAM	25	12	19.34	19.23	19.39			21.1	0
10	HQAM	25	24	19.26	19.19	19.23				
10	HQAM	50	0	19.24	19.30	19.22			21.1	0
10	HQAM	50	12	19.21	19.28	19.27				
10	HQAM	25	0	19.17	19.26	19.20				
10	HQAM	25	48	19.22	19.38	19.19			21.1	0
10	HQAM	25	96	19.25	19.41	19.25				
10	HQAM	50	0	19.20	19.25	19.21				
10	ZSSBAM	1	0	18.68	18.62	18.74			19	2.1
10	ZSSBAM	1	24	18.77	18.71	18.91				
10	ZSSBAM	1	48	18.72	18.88	18.78				
10	ZSSBAM	25	0	18.66	18.62	18.76			19	2.1
10	ZSSBAM	25	12	18.75	18.89	18.78				
10	ZSSBAM	25	24	18.73	18.78	18.72				
10	ZSSBAM	50	0	18.64	18.70	18.77				
Channel										
Frequency [MHz]										
5	QPSK	1	0	19.20	19.40	19.21			21.1	0
5	QPSK	1	12	19.33	19.33	19.27				
5	QPSK	1	24	19.18	19.26	19.30				
5	QPSK	5	0	19.17	19.30	19.38				
5	QPSK	12	7	19.23	19.19	19.25			21.1	0
5	QPSK	12	13	19.22	19.17	19.31				
5	QPSK	25	0	19.16	19.38	19.23				
5	HQAM	1	0	19.20	19.20	19.24			21.1	0
5	HQAM	1	12	19.16	19.16	19.34				
5	HQAM	5	0	19.24	19.30	19.22				
5	HQAM	12	0	19.21	19.38	19.28			21.1	0
5	HQAM	12	7	19.34	19.22	19.37				
5	HQAM	25	13	19.31	19.12	19.24				
5	HQAM	25	0	19.22	19.34	19.13			21.1	0
5	HQAM	1	0	19.27	19.31	19.28				
5	HQAM	1	12	19.33	19.28	19.32				
5	HQAM	1	24	19.23	19.46	19.21				
5	HQAM	12	0	19.14	19.33	19.30			21.1	0
5	HQAM	12	7	19.13	19.20	19.17				
5	HQAM	12	13	19.31	19.35	19.17				
5	HQAM	25	0	19.22	19.16	19.20				
5	ZSSBAM	1	0	18.66	18.69	18.74			19	2.1
5	ZSSBAM	1	12	18.77	18.72	18.85				
5	ZSSBAM	1	24	18.86	18.72	18.76				
5	ZSSBAM	12	0	18.76	18.65	18.75			19	2.1
5	ZSSBAM	12	7	18.77	18.86	18.80				
5	ZSSBAM	12	13	18.76	18.76	18.72				
5	ZSSBAM	25	0	18.74	18.75	18.79				

Band 38 Ant0 PC3 DSI3 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [dBm]	Power Ch / Freq [dBm]	Power Ch / Freq [dBm]	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency [MHz]				37850	38000	38150				
20	QPSK	1	0	17.03	17.06	17.04				
20	QPSK	1	48	16.96	16.96	16.97			17.9	0
20	QPSK	1	96	17.01	16.84	16.97				
20	QPSK	50	0	16.97	16.92	16.93				
20	QPSK	50	24	16.83	16.87	16.84			17.9	0
20	QPSK	50	48	16.96	16.82	16.78				
20	QPSK	100	0	16.89	16.89	16.89				
20	HQAM	1	0	16.91	16.89	16.84			17.9	0
20	HQAM	1	48	16.91	16.91	16.82				
20	HQAM	50	0	16.93	16.87	16.81				
20	HQAM	50	24	16.90	16.77	16.77			17.9	0
20	HQAM	50	48	16.87	16.86	16.78				
20	HQAM	100	0	16.90	16.83	16.85				
20	HQAM	100	0	16.91	16.71	16.82			17.9	0
20	HQAM	1	96	16.89	16.97	16.88				
20	HQAM	1	96	16.87	16.82	16.88				
20	HQAM	50	24	16.93	16.93	16.93			17.9	0
20	HQAM	50	48	16.84	16.77	16.98				
20	HQAM	100	0	16.93	16.82	16.80				
20	ZSSBAM	1	0	16.89	16.99	16.88			17.9	0
20	ZSSBAM	1	48	16.82	16.84	16.89				
20	ZSSBAM	1	96	16.99	16.86	16.87				
20	ZSSBAM	50	0	16.98	16.99	16.94			17.9	0
20	ZSSBAM	50	24	16.88	16.91	16.91				
20	ZSSBAM	50	48	16.97	16.96	16.90			17.9	0
20	ZSSBAM	100	0	16.88	16.78	16.85				
Channel										
Frequency [MHz]										
15	QPSK	1	0	16.89	16.98	16.94				
15	QPSK	1	37	16.91	16.82	16.83			17.9	0
15	QPSK	1	74	16.94	16.92	16.92				
15	QPSK	36	0	16.73	16.88	16.83				
15	QPSK	36	36	16.83	16.70	16.71			17.9	0
15	QPSK	36	72							



Band 38 Ant0 PC2 DS3 Simultaneous										
RW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-up time (min)	MPR (dB)		
Channel										
Frequency (MHz)				38750	38800	38150				
20	QPSK	1	0	18.14	18.14	18.14				
20	QPSK	1	49	18.06	18.21	18.06	19.5	0		
20	QPSK	1	99	18.09	18.02	18.15				
20	QPSK	50	0	18.03	18.07	18.07				
20	QPSK	50	24	18.04	18.11	18.06				
20	QPSK	50	50	17.99	17.95	17.99				
20	QPSK	100	0	17.81	18.02	17.99				
20	HQAM	1	0	17.86	17.89	17.89	19.5	0		
20	HQAM	1	49	17.79	17.86	17.86				
20	HQAM	1	99	17.90	18.00	17.88				
20	HQAM	50	0	17.87	17.92	17.89				
20	HQAM	50	24	17.83	17.76	17.80				
20	HQAM	50	50	17.90	18.04	17.87	19.5	0		
20	HQAM	100	0	17.59	17.88	17.84				
20	HQAM	100	0	17.60	17.87	17.82				
20	HQAM	1	49	18.03	18.05	17.91	19.5	0		
20	HQAM	1	99	17.94	17.92	17.83				
20	HQAM	50	0	17.82	17.75	17.74				
20	HQAM	50	24	17.89	17.86	17.92	19.5	0		
20	HQAM	50	50	18.04	18.00	17.90				
20	HQAM	100	0	17.60	17.87	17.82				
20	25QAM	1	0	17.86	17.81	18.00				
20	25QAM	1	49	17.73	17.84	17.79	19.5	0		
20	25QAM	1	99	17.88	17.91	17.87				
20	25QAM	50	0	17.84	17.79	18.06				
20	25QAM	50	24	17.86	17.84	17.87				
20	25QAM	50	50	17.92	17.90	17.82	19.5	0		
20	25QAM	100	0	17.72	17.84	17.83				
Channel										
15	QPSK	1	0	18.07	18.22	18.03				
15	QPSK	1	31	17.91	18.13	17.96	19.5	0		
15	QPSK	1	63	17.94	17.97	18.04				
15	QPSK	36	0	17.88	18.10	17.82				
15	QPSK	36	20	17.89	17.90	17.84	19.5	0		
15	QPSK	75	0	17.75	17.93	17.92				
15	HQAM	1	0	17.84	17.97	17.78	19.5	0		
15	HQAM	1	74	17.80	17.92	17.79				
15	HQAM	1	148	17.77	17.77	17.80				
15	HQAM	36	20	17.74	17.73	17.76	19.5	0		
15	HQAM	36	39	17.78	17.91	17.80				
15	HQAM	75	0	17.69	17.77	17.75				
15	HQAM	1	0	17.71	17.69	17.74				
15	HQAM	1	31	17.88	17.88	17.79	19.5	0		
15	HQAM	1	63	17.87	17.87	17.80				
15	HQAM	36	0	17.73	17.82	17.68				
15	HQAM	36	20	17.78	17.83	17.81	19.5	0		
15	HQAM	75	0	17.70	17.81	17.67				
15	25QAM	1	0	17.84	17.74	17.84	19.5	0		
15	25QAM	1	74	17.74	17.78	17.80				
15	25QAM	36	0	17.79	17.88	17.87	19.5	0		
15	25QAM	36	39	17.80	17.76	17.77				
15	25QAM	75	0	17.63	17.79	17.87				
Channel										
10	QPSK	1	0	18.00	18.13	18.03				
10	QPSK	1	49	17.86	17.86	18.07	19.5	0		
10	QPSK	25	0	18.03	18.06	17.86				
10	QPSK	25	12	17.99	17.99	17.86				
10	QPSK	25	25	17.90	17.86	17.86	19.5	0		
10	QPSK	50	0	17.88	17.91	17.86				
10	HQAM	1	0	17.82	17.82	17.78	19.5	0		
10	HQAM	1	25	17.66	18.01	17.77				
10	HQAM	1	49	17.75	17.92	17.77				
10	HQAM	1	74	17.77	17.74	17.71	19.5	0		
10	HQAM	1	99	17.82	17.92	17.73				
10	HQAM	50	0	17.84	17.91	17.77				
10	HQAM	1	0	17.74	17.69	17.78	19.5	0		
10	HQAM	1	25	17.84	17.81	17.78				
10	HQAM	25	0	17.72	17.68	17.61				
10	HQAM	25	12	17.80	17.84	17.77	19.5	0		
10	HQAM	50	0	17.68	17.73	17.85				
10	25QAM	1	0	17.81	17.72	17.84				
10	25QAM	1	49	17.78	17.78	17.85	19.5	0		
10	25QAM	25	0	17.86	17.86	17.80				
10	25QAM	25	12	17.75	17.77	17.80	19.5	0		
10	25QAM	50	0	17.67	17.77	17.79				
Channel										
5	QPSK	1	0	18.00	18.17	18.03				
5	QPSK	1	12	17.93	18.10	17.91	19.5	0		
5	QPSK	1	24	17.85	17.91	18.09				
5	QPSK	12	0	18.06	18.14	17.86				
5	QPSK	12	7	17.94	17.96	17.85	19.5	0		
5	QPSK	12	13	17.92	17.88	17.91				
5	HQAM	1	0	17.86	17.86	17.80	19.5	0		
5	HQAM	1	12	17.77	17.84	17.71				
5	HQAM	1	24	17.89	18.02	17.73				
5	HQAM	12	0	17.84	17.90	17.74				
5	HQAM	12	7	17.85	17.85	17.78	19.5	0		
5	HQAM	12	13	17.80	17.96	17.75				
5	HQAM	25	0	17.84	17.84	17.78				
5	HQAM	1	0	17.71	17.69	17.74	19.5	0		
5	HQAM	1	12	17.87	17.98	17.79				
5	HQAM	12	0	17.84	17.84	17.78				
5	HQAM	12	7	17.80	17.87	17.83	19.5	0		
5	HQAM	12	13	17.81	17.93	17.74				
5	HQAM	25	0	17.84	17.76	17.80				
5	25QAM	1	0	17.86	17.78	17.82				
5	25QAM	1	12	17.88	17.79	17.71	19.5	0		
5	25QAM	12	0	17.84	17.84	17.83				
5	25QAM	12	7	17.72	17.76	17.82				
5	25QAM	12	13	17.67	17.84	17.83	19.5	0		
5	25QAM	25	0	17.68	17.78	17.82				

Band 41 Ant0 PC3 DS1 3 Standalone										
RW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-up time (min)	MPR (dB)
Channel										
Frequency (MHz)				39750	40168	40600	41065	41460		
20	QPSK	1	0	19.30	19.30	19.30	19.42	19.41		
20	QPSK	1	49	19.33	19.32	19.46	19.43	19.52	21.1	0
20	QPSK	1	99	19.46	19.40	19.38	19.48	19.40		
20	QPSK	50	0	19.30	19.45	19.30	19.51	19.31		
20	QPSK	50	24	19.45	19.30	19.42	19.44	19.40	21.1	0
20	QPSK	50	50	19.46	19.47	19.39	19.35	19.41		
20	QPSK	100	0	19.30	19.41	19.32	19.35	19.37		
20	HQAM	1	0	19.49	19.44	19.41	19.47	19.45	21.1	0
20	HQAM	1	49	19.47	19.42	19.47	19.45	19.47		
20	HQAM	1	99	19.49	19.44	19.37	19.44	19.40		
20	HQAM	50	0	19.34	19.47	19.34	19.44	19.32		
20	HQAM	50	24	19.45	19.47	19.40	19.41	19.45	21.1	0
20	HQAM	50	50	19.40	19.44	19.32	19.49	19.33		
20	HQAM	100	0	19.29	19.41	19.35	19.43	19.31		
20	HQAM	100	0	19.34	19.40	19.41	19.41	19.45		
20	HQAM	1	49	19.48	19.48	19.33	19.45	19.40	21.1	0
20	HQAM	1	99	19.31	19.47	19.38	19.48	19.33		
20	HQAM	50	0	19.24	19.40	19.44	19.41	19.45		
20	HQAM	50	24	19.45	19.39	19.38	19.45	19.40	21	0.1
20	HQAM	50	50	19.35	19.50	19.37	19.41	19.40		
20	HQAM	100	0	19.16	19.40	19.40	19.41	19.43		
20	25QAM	1	0	17.94	17.83	17.86	17.90	17.87		
20	25QAM	1	49	18.00	17.95	17.97	17.97	17.92	19	2.1
20	25QAM	1	99	17.95	17.92	17.91	17.91	17.93		
20	25QAM	50	0	17.86	18.03	17.85	18.02	18.01		
20	25QAM	50	24	17.92	17.88	17.86	17.92	17.85	19	2.1
20	25QAM	50	50	18.00	18.00	18.00	18.00	18.00		
20	25QAM	100	0	18.06	18.09	18.06	18.10	18.08		
Channel										
19	QPSK	1	0	19.34	19.34	19.45	19.36	19.36		
19	QPSK	1	37	19.38	19.38	19.31	19.31	19.41	21.1	0
19	QPSK	1	74	19.23	19.24	19.30	19.41	19.21		
19	QPSK	36	0	19.29	19.41	19.49	19.43	19.21		
19	QPSK	36	20	19.29	19.39	19.34	19.38	19.25	21.1	0
19	QPSK	36	39	19.31	19.31	19.32	19.38	19.35		
19	QPSK	75	0	19.21	19.31	19.38	19.35	19.28		
19	HQAM	1	0	19.42	19.29	19.35	19.43	19.23	21.1	0
19	HQAM	1	74	19.34	19.39	19.22	19.28	19.25		
19	HQAM	1	148	19.27	19.27	19.20	19.26	19.20		
19	HQAM	36	20	19.38	19.32	19.34	19.34	19.23	21.1	0
19	HQAM	36	39	19.25	19.38	19.24	19.34	19.24		
19	HQAM	75	0	19.23	19.					



Band 41 Ant0 PC2 DSI 3 Standalone

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.14	21.16	21.22	21.15	21.21		22.7	0
20	QPSK	1	49	21.14	21.23	21.14	21.08	21.04			
20	QPSK	1	99	21.00	21.07	21.06	21.04	21.03			
20	QPSK	50	0	20.98	21.05	21.02	21.02	20.98			
20	QPSK	50	24	21.02	21.07	20.99	20.99	20.94		22.7	0
20	QPSK	50	24	20.92	20.98	20.97	20.97	21.02			
20	QPSK	100	0	21.02	21.11	21.07	21.09	20.95			
20	HQAM	1	0	20.99	21.11	20.99	21.08	20.88		22.7	0
20	HQAM	1	49	20.95	21.08	20.94	20.92	20.96			
20	HQAM	1	99	20.98	21.08	21.20	21.15	21.00			
20	HQAM	50	0	20.98	21.09	20.99	20.98	20.98			
20	HQAM	50	24	20.99	20.98	20.98	20.98	20.95			
20	HQAM	50	50	21.06	21.04	21.09	21.02	20.95		22.7	0
20	HQAM	100	0	21.04	21.08	21.07	21.03	20.93			
20	HQAM	1	0	20.95	21.08	20.94	20.92	20.96			
20	HQAM	1	49	20.93	21.09	21.14	20.99	20.91		22.7	0
20	HQAM	1	99	21.11	21.06	20.99	20.96	20.89			
20	HQAM	50	0	20.98	20.99	20.99	20.95	20.95			
20	HQAM	50	24	20.97	21.07	21.24	21.05	20.93		22.7	0
20	HQAM	50	50	21.12	21.19	21.11	21.02	20.99			
20	HQAM	100	0	20.96	20.99	20.95	20.95	20.95			
20	SSBQAM	1	0	20.95	20.91	20.91	20.94	20.49			
20	SSBQAM	1	49	20.90	20.96	20.90	20.47	20.37		22	0.7
20	SSBQAM	1	99	20.41	20.95	20.90	20.45	20.43			
20	SSBQAM	50	0	20.44	20.47	20.47	20.53	20.45			
20	SSBQAM	50	24	20.52	20.47	20.45	20.37	20.40		22	0.7
20	SSBQAM	50	50	20.42	20.37	20.35	20.32	20.35			
20	SSBQAM	100	0	20.37	20.31	20.27	20.35	20.45			
Options											
Frequency (MHz)											
16	QPSK	1	0	21.06	21.04	21.16	21.01	20.92		23	0
16	QPSK	1	24	21.02	21.15	20.96	20.94	20.96			
16	QPSK	1	74	20.90	20.97	20.99	20.99	20.98			
16	QPSK	36	0	20.93	20.91	21.19	21.01	20.81			
16	QPSK	36	20	20.93	20.98	20.94	20.91	20.81		22.7	0
16	QPSK	36	99	20.82	20.91	20.84	20.92	20.80			
16	QPSK	75	0	20.96	20.96	21.09	21.05	20.85			
16	HQAM	1	0	20.94	21.04	20.99	20.99	20.99		22.7	0
16	HQAM	1	37	20.76	20.97	20.91	20.86	20.87			
16	HQAM	1	74	20.82	20.93	21.19	21.05	20.85			
16	HQAM	36	0	20.92	21.09	20.99	20.99	20.99			
16	HQAM	36	20	20.80	20.91	20.85	20.82	20.80		22.7	0
16	HQAM	36	99	21.01	20.93	21.04	20.87	20.83			
16	HQAM	75	0	20.90	20.95	20.95	20.95	20.95			
16	HQAM	1	0	20.85	20.90	20.92	20.85	20.79			
16	HQAM	1	37	20.78	21.04	21.00	20.91	20.77		22.7	0
16	HQAM	1	74	20.80	20.97	20.91	20.81	20.81			
16	HQAM	36	0	20.83	20.87	20.84	20.85	20.87			
16	HQAM	36	20	20.82	21.03	21.16	20.90	20.82		22.7	0
16	HQAM	75	0	20.82	21.14	21.02	20.92	20.81			
16	HQAM	75	0	20.81	20.78	20.85	20.84	20.76			
16	SSBQAM	1	0	20.42	20.43	20.40	20.43	20.40			
16	SSBQAM	1	37	20.38	20.45	20.42	20.34	20.41		22	0.7
16	SSBQAM	1	74	20.34	20.25	20.25	20.32	20.32			
16	SSBQAM	36	0	20.34	20.33	20.37	20.44	20.30			
16	SSBQAM	36	20	20.39	20.32	20.30	20.32	20.32		22	0.7
16	SSBQAM	36	99	20.34	20.49	20.16	20.22	20.22			
16	SSBQAM	75	0	20.28	20.16	20.14	20.27	20.33			
Options											
Frequency (MHz)											
10	QPSK	1	0	21.01	21.05	21.19	21.02	20.89		23	0
10	QPSK	1	24	20.99	21.14	21.08	20.92	20.96			
10	QPSK	1	49	20.88	20.91	20.92	20.92	20.87			
10	QPSK	25	0	20.93	20.94	21.12	20.96	20.74			
10	QPSK	25	12	20.96	20.97	20.95	20.92	20.83			
10	QPSK	25	25	20.86	20.92	20.93	20.81	20.87		22.7	0
10	QPSK	50	0	20.92	21.02	21.06	21.03	20.93			
10	HQAM	1	0	20.89	20.97	20.92	20.93	20.75			
10	HQAM	1	25	20.79	20.89	20.93	20.81	20.85			
10	HQAM	1	49	20.84	21.00	21.11	21.09	20.87			
10	HQAM	25	0	20.88	20.94	20.96	20.84	20.84			
10	HQAM	25	12	20.84	20.77	20.83	20.75	20.79		22.7	0
10	HQAM	25	25	21.01	21.00	20.97	20.87	20.91			
10	HQAM	50	0	20.90	20.96	20.96	20.96	20.83			
10	HQAM	1	0	20.87	20.87	20.79	20.83	20.79			
10	HQAM	1	25	21.00	21.04	21.04	20.89	20.76		22.7	0
10	HQAM	1	49	21.07	20.96	20.93	20.85	20.84			
10	HQAM	25	0	20.83	20.83	20.87	20.85	20.87			
10	HQAM	25	12	20.86	20.81	21.10	20.89	20.81			
10	HQAM	25	25	20.97	21.13	21.05	20.96	20.77		22.7	0
10	HQAM	50	0	20.90	20.74	20.90	20.91	20.76			
10	SSBQAM	1	0	20.40	20.38	20.38	20.39	20.30			
10	SSBQAM	1	25	20.35	20.23	20.20	20.32	20.23		22	0.7
10	SSBQAM	1	49	20.27	20.24	20.23	20.34	20.36			
10	SSBQAM	25	0	20.36	20.40	20.39	20.39	20.36			
10	SSBQAM	25	12	20.40	20.35	20.27	20.23	20.28		22	0.7
10	SSBQAM	25	25	20.31	20.26	20.16	20.19	20.34			
10	SSBQAM	50	0	20.29	20.24	20.20	20.25	20.30			
Options											
Frequency (MHz)											
5	QPSK	1	0	21.00	21.00	21.21	21.07	20.84		23	0
5	QPSK	1	12	21.07	21.08	20.90	20.97	20.89			
5	QPSK	1	24	20.99	20.92	21.09	20.96	20.94			
5	QPSK	12	0	20.85	20.88	21.07	20.93	20.83			
5	QPSK	12	7	20.84	20.83	20.87	20.88	20.81		22.7	0
5	QPSK	12	13	20.84	20.82	20.91	20.82	20.93			
5	QPSK	25	0	20.80	21.07	21.07	21.01	20.76			
5	HQAM	1	0	20.80	21.06	20.88	21.01	20.76		22.7	0
5	HQAM	1	12	20.76	20.88	20.84	20.82	20.86			
5	HQAM	1	24	20.88	21.02	21.00	21.01	20.95			
5	HQAM	12	0	20.83	20.89	20.86	20.85	20.82			
5	HQAM	12	7	20.84	20.78	20.82	20.83	20.77		22.7	0
5	HQAM	12	13	20.95	20.95	21.02	20.95	20.87			
5	HQAM	25	0	20.82	20.84	20.82	20.85	20.77			
5	HQAM	1	0	20.83	20.84	20.82	20.85	20.79			
5	HQAM	1	12	20.84	20.93	21.00	20.84	20.78		22.7	0
5	HQAM	1	24	20.89	20.96	20.91	20.92	20.76			
5	HQAM	12	0	20.80	20.89	20.82	20.86	20.87			
5	HQAM	12	7	20.91	20.98	21.15	20.95	20.84			
5	HQAM	12	13	21.06	21.15	21.07	20.96	20.85		22.7	0
5	HQAM	25	0	20.75	20.79	20.87	20.91	20.75			
5	SSBQAM	1	0	20.36	20.44	20.45	20.46	20.38			
5	SSBQAM	1	12	20.39	20.25	20.20	20.38	20.28		22	0.7
5	SSBQAM	1	24	20.28	20.24	20.24	20.31	20.28			
5	SSBQAM	12	0	20.29	20.36	20.36	20.41	20.33			
5	SSBQAM	12	7	20.41	20.39	20.27	20.27	20.31			
5	SSBQAM	12	13	20.42	20.48	20.16	20.19	20.27		22	0.7
5	SSBQAM	25	0	20.25	20.23	20.17					

Band 41 Ant0 PC2 DSI 3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	18.15	18.20	18.20	18.16	18.19		19.5	0
20	QPSK	1	49	18.19	18.22	18.20	18.11	18.20			
20	QPSK	1	99	18.21	18.17	18.16	18.27	18.13			
20	QPSK	50	0	18.01	18.21	18.21	18.07	18.05			
20	QPSK	50	24	18.10	18.15	18.20	18.03	18.16		19.5	0
20	QPSK	50	24	18.07	18.02	18.04	18.19	18.09			
20	QPSK	100	0	17.96	17.98	17.98	17.96	17.93			
20	HQAM	1	0	17.97	17.96	17.84	17.85	17.87		19.5	0
20	HQAM	1	49	17.95	17.84	18.07	17.96	17.90			
20	HQAM	50	0	17.97							



Band 2 Ant1 DS13 Standalone										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.41	18.45	18.46				
20	QPSK	1	49	18.34	18.37	18.37	19.1	0		
20	QPSK	1	99	18.34	18.37	18.37				
20	QPSK	50	0	18.31	18.33	18.33				
20	QPSK	50	24	18.25	18.26	18.26	19.1	0		
20	QPSK	50	50	18.23	18.26	18.28				
20	QPSK	100	0	18.27	18.33	18.33				
20	QPSK	100	49	18.33	18.27	18.28	19.1	0		
20	QPSK	100	99	18.33	18.27	18.28				
20	16QAM	1	49	18.19	18.25	18.25				
20	16QAM	1	99	18.30	18.25	18.26	19.1	0		
20	16QAM	50	0	18.28	18.25	18.25				
20	16QAM	50	24	18.28	18.25	18.25	19.1	0		
20	16QAM	50	50	18.34	18.30	18.30				
20	16QAM	100	0	18.29	18.28	18.24				
20	16QAM	100	49	18.26	18.30	18.35	19.1	0		
20	16QAM	100	99	18.25	18.28	18.36				
20	16QAM	50	0	18.27	18.28	18.36				
20	16QAM	50	24	18.30	18.35	18.31	19.1	0		
20	16QAM	50	50	18.25	18.30	18.30				
20	16QAM	100	0	18.23	18.27	18.31				
20	25QAM	1	0	17.28	17.30	17.30				
20	25QAM	1	49	18.25	18.28	18.27	19.1	0.1		
20	25QAM	1	99	17.31	17.29	17.31				
20	25QAM	50	0	17.38	17.38	17.39				
20	25QAM	50	24	17.38	17.35	17.35	19.1	0.1		
20	25QAM	50	50	17.31	17.35	17.33				
20	25QAM	100	0	17.27	17.23	17.23				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.32	18.35	18.36				
15	QPSK	1	39	18.21	18.23	18.23	19.1	0		
15	QPSK	1	74	18.21	18.23	18.23				
15	QPSK	36	0	18.24	18.26	18.14				
15	QPSK	36	25	18.12	18.22	18.13	19.1	0		
15	QPSK	36	39	18.15	18.21	18.18				
15	QPSK	75	0	18.12	18.23	18.26				
15	16QAM	1	49	18.15	18.18	18.18	19.1	0		
15	16QAM	1	37	18.10	18.18	18.20				
15	16QAM	1	74	18.19	18.23	18.17				
15	16QAM	36	0	18.14	18.21	18.20				
15	16QAM	36	20	18.15	18.15	18.22	19.1	0		
15	16QAM	36	39	18.20	18.20	18.24				
15	16QAM	75	0	18.25	18.28	18.28				
15	16QAM	1	0	18.03	18.23	18.14				
15	16QAM	1	37	18.21	18.23	18.12	19.1	0		
15	16QAM	1	74	18.21	18.21	18.11				
15	16QAM	36	0	18.19	18.15	18.17				
15	16QAM	36	20	18.14	17.95	18.24	19.1	0		
15	16QAM	36	39	18.11	18.25	18.19				
15	16QAM	75	0	18.13	18.17	18.20				
15	25QAM	1	0	17.29	17.28	17.21				
15	25QAM	1	49	18.25	18.23	18.28	19.1	0.1		
15	25QAM	1	99	17.31	17.30	17.31				
15	25QAM	50	0	17.26	17.26	17.28				
15	25QAM	50	24	17.15	17.22	17.20	19.1	0.1		
15	25QAM	50	39	17.28	17.27	17.14				
15	25QAM	75	0	17.28	17.29	17.21				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.33	18.41	18.29				
10	QPSK	1	25	18.26	18.25	18.24	19.1	0		
10	QPSK	1	49	18.26	18.25	18.21				
10	QPSK	25	0	18.17	18.26	18.18				
10	QPSK	25	12	18.14	18.23	18.20	19.1	0		
10	QPSK	25	25	18.11	18.13	18.22				
10	QPSK	50	0	18.19	18.22	18.27				
10	QPSK	50	49	18.26	18.19	18.16	19.1	0		
10	QPSK	50	99	18.26	18.19	18.16				
10	16QAM	1	28	18.06	18.19	18.11				
10	16QAM	1	49	18.17	18.16	18.15	19.1	0		
10	16QAM	25	0	18.23	18.20	18.20				
10	16QAM	25	12	18.24	18.09	18.21	19.1	0		
10	16QAM	25	25	18.26	18.21	18.16				
10	16QAM	50	0	18.18	18.25	18.12				
10	16QAM	50	49	18.09	18.19	18.17	19.1	0		
10	16QAM	50	99	18.21	18.13	18.04				
10	16QAM	25	0	18.21	18.13	18.24				
10	16QAM	25	12	18.17	17.96	18.20	19.1	0		
10	16QAM	25	25	18.11	18.17	18.13				
10	16QAM	50	0	18.15	18.19	18.27				
10	25QAM	1	0	17.28	17.28	17.28				
10	25QAM	1	28	17.27	17.21	17.25	19.1	0.1		
10	25QAM	1	49	17.40	17.28	17.36				
10	25QAM	12	0	17.26	17.25	17.28				
10	25QAM	12	12	17.20	17.25	17.20	19.1	0.1		
10	25QAM	25	0	17.23	17.32	17.12				
10	25QAM	50	0	17.20	17.20	17.18				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.26	18.31	18.28				
5	QPSK	1	12	18.35	18.38	18.34	19.1	0		
5	QPSK	1	24	18.22	18.24	18.21				
5	QPSK	12	0	18.17	18.24	18.24				
5	QPSK	12	7	18.16	18.14	18.20	19.1	0		
5	QPSK	12	13	18.13	18.20	18.16				
5	QPSK	25	0	18.16	18.20	18.20				
5	16QAM	1	0	18.21	18.17	18.18				
5	16QAM	1	12	18.03	18.21	18.16	19.1	0		
5	16QAM	1	24	18.16	18.20	18.18				
5	16QAM	12	0	18.22	18.24	18.22				
5	16QAM	12	7	18.18	18.16	18.19	19.1	0		
5	16QAM	12	13	18.10	18.20	18.20				
5	16QAM	25	0	18.23	18.25	18.15				
5	16QAM	1	0	18.10	18.14	18.17	19.1	0		
5	16QAM	1	8	18.12	18.25	18.23				
5	16QAM	1	24	18.12	18.14	18.13				
5	16QAM	12	0	18.15	18.17	18.19				
5	16QAM	12	7	18.03	18.20	18.18	19.1	0		
5	16QAM	12	13	18.17	18.17	18.12				
5	16QAM	25	0	18.08	18.12	18.19				
5	25QAM	1	0	17.29	17.29	17.21				
5	25QAM	1	12	17.33	17.26	17.30	19.1	0.1		
5	25QAM	1	24	17.38	17.28	17.33				
5	25QAM	12	0	17.28	17.31	17.29				
5	25QAM	12	7	17.24	17.23	17.23	19.1	0.1		
5	25QAM	12	13	17.30	17.31	17.21				
5	25QAM	25	0	17.20	17.21	17.24				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.13	18.18	18.18				
3	QPSK	1	8	18.32	18.27	18.19	19.1	0		
3	QPSK	1	14	18.29	18.25	18.27				
3	QPSK	3	0	18.17	18.26	18.26				
3	QPSK	3	4	18.21	18.16	18.13	19.1	0		
3	QPSK	8	7	18.15	18.14	18.16				
3	QPSK	15	0	18.18	18.25	18.20				
3	16QAM	1	0	18.26	18.13	18.19	19.1	0		
3	16QAM	1	8	18.12	18.15	18.20				
3	16QAM	3	0	18.16	18.20	18.20				
3	16QAM	3	4	18.21	18.20	18.21	19.1	0		
3	16QAM	8	7	18.21	18.26	18.18				
3	16QAM	15	0	18.25	18.20	18.10				
3	16QAM	1	0	18.08	18.20	18.12	19.1	0		
3	16QAM	1	8	18						



Band 4 Ant1 DS13 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power High Ch./F.Freq.	Power Avg Ch./F.Freq.	Time-up (min)	MRR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.97	15.03	15.03				
20	QPSK	1	49	14.92	14.98	14.95	18.3	0		
20	QPSK	1	99	14.92	14.98	14.95				
20	QPSK	50	0	14.94	15.03	14.93				
20	QPSK	25	24	14.93	14.97	14.95				
20	QPSK	50	50	14.94	14.91	14.87	18.3	0		
20	QPSK	100	0	14.85	14.93	14.83				
20	16QAM	1	49	14.89	14.82	14.79	18.3	0		
20	16QAM	1	99	14.93	14.90	14.93				
20	16QAM	50	24	14.88	14.75	14.75	18.3	0		
20	16QAM	50	50	14.82	14.80	14.75				
20	64QAM	1	0	15.03	15.02	14.97				
20	64QAM	1	49	14.92	14.97	14.81	18.3	0		
20	64QAM	1	99	14.97	14.90	14.88				
20	64QAM	50	0	14.88	14.92	14.85				
20	64QAM	50	24	14.84	14.70	14.78	18.3	0		
20	64QAM	50	50	14.80	14.88	14.88				
20	256QAM	1	0	14.87	15.01	14.91	18.3	0		
20	256QAM	1	49	14.87	14.80	14.78				
20	256QAM	1	99	14.87	14.78	14.77				
20	256QAM	50	0	14.80	14.93	14.86				
20	256QAM	50	24	14.85	14.80	14.80	18.3	0		
20	256QAM	50	50	14.83	14.78	14.78				
20	256QAM	100	0	14.79	14.82	14.70				
Channel										
Frequency (MHz)										
19	QPSK	1	0	15.03	15.00	15.04				
19	QPSK	1	49	15.02	14.97	14.93	18.3	0		
19	QPSK	1	99	15.03	14.90	14.88				
19	QPSK	36	0	14.96	15.08	15.00				
19	QPSK	18	18	14.99	14.97	14.97				
19	QPSK	36	36	14.90	14.98	14.87	18.3	0		
19	QPSK	75	0	14.91	14.89	14.81				
19	16QAM	1	49	14.85	14.92	14.81	18.3	0		
19	16QAM	1	99	14.92	14.79	14.87				
19	16QAM	50	24	14.84	14.87	14.84	18.3	0		
19	16QAM	50	50	14.80	14.90	14.84				
19	16QAM	36	20	14.88	14.77	14.78	18.3	0		
19	16QAM	36	36	14.89	14.88	14.78				
19	16QAM	75	0	14.87	14.80	14.81	18.3	0		
19	64QAM	1	0	15.03	15.03	14.95				
19	64QAM	1	37	14.93	14.80	14.81	18.3	0		
19	64QAM	1	74	14.97	14.80	14.81				
19	64QAM	36	0	14.87	14.93	14.88				
19	64QAM	36	20	14.82	14.78	14.81	18.3	0		
19	64QAM	36	36	14.79	14.80	14.84				
19	64QAM	75	0	14.83	14.82	14.84				
19	256QAM	1	0	14.80	15.00	14.91	18.3	0		
19	256QAM	1	37	14.84	14.80	14.71				
19	256QAM	1	74	14.87	14.80	14.78				
19	256QAM	36	0	14.85	14.73	14.78	18.3	0		
19	256QAM	36	20	14.85	14.70	14.84				
19	256QAM	36	36	14.78	14.84	14.77	18.3	0		
19	256QAM	75	0	14.78	14.70	14.71				
Channel										
Frequency (MHz)										
19	QPSK	1	0	15.04	15.01	15.03				
19	QPSK	1	25	15.02	14.91	14.85	18.3	0		
19	QPSK	1	49	15.02	14.90	14.85				
19	QPSK	25	0	14.95	15.03	14.98				
19	QPSK	25	25	14.99	14.87	14.87	18.3	0		
19	QPSK	25	25	14.93	14.96	14.92				
19	QPSK	50	0	14.86	14.90	14.87				
19	16QAM	1	26	14.80	14.84	14.87	18.3	0		
19	16QAM	1	49	14.86	14.84	14.81				
19	16QAM	25	12	14.84	14.76	14.73	18.3	0		
19	16QAM	25	25	14.81	14.80	14.81				
19	16QAM	50	0	14.79	14.83	14.80				
19	64QAM	1	0	14.94	15.01	15.01				
19	64QAM	1	49	14.97	14.95	14.78	18.3	0		
19	64QAM	25	0	14.89	15.01	14.88				
19	64QAM	25	25	14.89	14.81	14.81	18.3	0		
19	64QAM	25	25	14.76	14.94	14.83				
19	64QAM	50	0	14.89	14.88	14.88				
19	64QAM	50	0	14.86	14.85	14.88				
19	256QAM	1	26	14.87	14.75	14.71	18.3	0		
19	256QAM	1	49	14.83	14.74	14.82				
19	256QAM	1	99	14.86	14.80	14.80				
19	256QAM	25	0	14.82	14.70	14.61	18.3	0		
19	256QAM	25	25	14.74	14.77	14.77				
19	256QAM	50	0	14.85	14.80	14.78				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.98	15.00	15.01				
5	QPSK	1	24	14.95	14.93	14.97	18.3	0		
5	QPSK	12	0	14.97	15.00	14.92				
5	QPSK	12	12	14.92	14.90	14.88	18.3	0		
5	QPSK	12	18	14.93	14.94	14.88				
5	16QAM	1	0	14.91	14.98	14.94				
5	16QAM	1	12	14.94	14.88	14.80	18.3	0		
5	16QAM	1	24	14.95	14.80	14.87				
5	16QAM	12	0	14.87	15.02	15.01				
5	16QAM	12	7	14.84	14.73	14.71	18.3	0		
5	16QAM	12	12	14.85	14.80	14.80				
5	16QAM	25	0	14.88	14.81	14.82				
5	64QAM	1	0	15.00	15.07	14.94	18.3	0		
5	64QAM	1	49	14.94	14.85	14.81				
5	64QAM	1	99	14.97	15.01	14.85				
5	64QAM	12	0	14.88	14.91	14.85				
5	64QAM	12	18	14.76	14.94	14.77	18.3	0		
5	64QAM	25	0	14.90	14.84	14.88				
5	256QAM	1	0	14.92	14.97	14.84	18.3	0		
5	256QAM	1	16	14.93	14.83	14.81				
5	256QAM	1	24	14.82	14.82	14.82				
5	256QAM	1	49	14.81	14.80	14.80	18.3	0		
5	256QAM	1	99	14.79	14.80	14.80				
5	256QAM	12	7	14.77	14.70	14.67	18.3	0		
5	256QAM	12	18	14.81	14.86	14.73				
5	256QAM	25	0	14.82	14.87	14.78				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.04	15.03	15.04				
1.4	QPSK	1	5	15.03	14.97	14.92	18.3	0		
1.4	QPSK	1	5	14.94	14.98	14.90				
1.4	QPSK	3	1	14.95	14.90	14.84				
1.4	QPSK	3	1	14.91	14.97	14.85	18.3	0		
1.4	16QAM	1	0	14.91	15.05	14.83				
1.4	16QAM	1	3	14.97	14.70	14.86	18.3	0		
1.4	16QAM	1	6	14.93	14.89	14.84				
1.4	16QAM	3	0	14.84	14.69	15.00				
1.4	16QAM	3	1	14.86	14.73	14.74	18.3	0		
1.4	16QAM	3	1	14.81	14.80	14.73				
1.4	16QAM	6	0	14.85	14.83	14.93	18.3	0		
1.4	64QAM	1	0	15.02	14.97	14.94				
1.4	64QAM	1	4	14.89	14.85	14.90	18.3	0		
1.4	64QAM	1	6	14.95	14.93	14.88				
1.4	64QAM	3	0	14.85	14.91	14.75	18.3	0		
1.4	64QAM	3	3	14.83	14.80	14.82				
1.4	256QAM	1	0	14.80	14.80	14.80	18.3	0		
1.4	256QAM	1	1	14.82	14.80	14.83				
1.4	256QAM	1	3	14.97	14.82	14.80				
1.4	256QAM	1	4	14.80	14.80	14.80	18.3	0		
1.4	256QAM	3	0	14.90	14.97	14.86				
1.4	256QAM	3	1	14.						



Band 7 Ant1 DSI 3 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Mch./Freq.	Power Pch./Freq.	Time-up (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.48	19.29	19.56	20.6	0		
20	QPSK	1	49	19.42	19.41	19.34				
20	QPSK	1	99	19.42	19.38	19.38				
20	QPSK	50	0	19.41	19.25	19.40				
20	QPSK	50	24	19.33	19.28	19.25				
20	QPSK	50	50	19.32	19.30	19.29				
20	QPSK	100	0	19.47	19.23	19.41				
20	16QAM	1	0	19.34	19.43	19.28				
20	16QAM	1	49	19.25	19.22	19.34	20.6	0		
20	16QAM	1	99	19.21	19.20	19.36				
20	16QAM	50	0	19.18	19.16	19.10				
20	16QAM	50	24	19.34	19.20	19.30				
20	16QAM	50	50	19.28	19.23	19.37				
20	64QAM	1	0	19.42	19.40	19.31				
20	64QAM	1	49	19.28	19.47	19.33	20.6	0		
20	64QAM	1	99	19.28	19.47	19.24				
20	64QAM	50	0	19.31	19.40	19.29				
20	64QAM	50	24	19.28	19.30	19.13	20.6	0		
20	64QAM	50	50	19.28	19.40	19.33				
20	256QAM	1	0	17.89	17.89	17.86				
20	256QAM	1	49	17.82	17.84	17.91	19	1.6		
20	256QAM	1	99	18.10	17.87	17.93				
20	256QAM	50	0	18.04	17.97	18.05				
20	256QAM	50	24	17.85	17.84	17.85				
20	256QAM	50	50	18.07	18.02	17.99				
20	256QAM	100	0	17.82	17.73	17.88				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.35	19.55	19.50	20.6	0		
15	QPSK	1	49	19.42	19.41	19.34				
15	QPSK	1	99	19.28	19.21	19.24				
15	QPSK	36	0	19.25	19.43	19.32				
15	QPSK	36	25	19.22	19.26	19.25				
15	QPSK	36	36	19.26	19.19	19.23	20.6	0		
15	QPSK	75	0	19.43	19.42	19.34				
15	16QAM	1	0	19.18	19.16	19.12	20.6	0		
15	16QAM	1	37	19.18	19.10	19.27				
15	16QAM	1	74	19.10	19.14	19.24				
15	16QAM	36	0	19.32	19.26	19.31				
15	16QAM	36	20	19.22	19.09	19.23	20.6	0		
15	16QAM	36	39	19.15	19.16	19.25				
15	16QAM	75	0	19.33	19.26	19.25				
15	64QAM	1	0	19.35	19.29	19.15				
15	64QAM	1	37	19.19	19.24	19.25	20.6	0		
15	64QAM	1	74	19.17	19.21	19.21				
15	64QAM	36	0	19.27	19.35	19.15				
15	64QAM	36	20	19.12	19.14	19.08	20.6	0		
15	64QAM	36	39	19.12	19.06	19.21				
15	64QAM	75	0	19.24	19.36	19.23				
15	256QAM	1	0	17.86	17.86	17.74				
15	256QAM	1	49	17.84	17.74	17.84	19	1.6		
15	256QAM	1	99	17.99	17.93	17.81				
15	256QAM	36	0	17.85	17.82	17.82				
15	256QAM	36	20	17.85	17.95	17.79				
15	256QAM	36	39	17.92	17.98	17.91	19	1.6		
15	256QAM	75	0	17.82	17.73	17.83				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.33	19.51	19.47	20.6	0		
10	QPSK	1	49	19.32	19.26	19.25				
10	QPSK	1	99	19.32	19.27	19.24				
10	QPSK	25	0	19.32	19.45	19.27				
10	QPSK	25	13	19.22	19.26	19.13	20.6	0		
10	QPSK	25	26	19.17	19.15	19.18				
10	QPSK	50	0	19.38	19.41	19.30				
10	16QAM	1	0	19.32	19.30	19.17	20.6	0		
10	16QAM	1	26	19.19	19.17	19.26				
10	16QAM	1	49	19.16	19.07	19.25				
10	16QAM	25	0	19.29	19.31	19.26				
10	16QAM	25	12	19.29	19.06	19.15	20.6	0		
10	16QAM	25	26	19.16	19.07	19.23				
10	16QAM	50	0	19.04	19.11	19.06				
10	64QAM	1	0	19.26	19.28	19.19				
10	64QAM	1	26	19.16	19.22	19.26	20.6	0		
10	64QAM	1	49	19.15	19.38	19.10				
10	64QAM	25	0	19.29	19.35	19.23				
10	64QAM	25	13	19.21	19.18	19.08	20.6	0		
10	64QAM	25	26	19.05	19.03	19.08				
10	64QAM	50	0	19.27	19.26	19.26				
10	256QAM	1	0	17.75	17.84	17.74				
10	256QAM	1	26	17.73	17.73	17.77	19	1.6		
10	256QAM	1	49	17.88	17.85	17.87				
10	256QAM	25	0	17.89	17.83	17.84				
10	256QAM	25	12	17.97	17.94	17.87				
10	256QAM	25	26	17.85	17.89	17.85	19	1.6		
10	256QAM	50	0	17.80	17.79	17.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.37	19.43	19.46	20.6	0		
5	QPSK	1	24	19.33	19.34	19.29				
5	QPSK	1	49	19.33	19.28	19.29				
5	QPSK	12	0	19.30	19.48	19.30				
5	QPSK	12	13	19.21	19.26	19.11	20.6	0		
5	QPSK	12	13	19.17	19.20	19.15				
5	16QAM	1	0	19.30	19.27	19.15				
5	16QAM	1	12	19.17	19.15	19.23	20.6	0		
5	16QAM	1	24	19.07	19.08	19.23				
5	16QAM	12	0	19.28	19.06	19.17	20.6	0		
5	16QAM	12	13	19.16	19.16	19.20				
5	16QAM	25	0	19.07	19.00	19.05				
5	64QAM	1	0	19.26	19.35	19.26				
5	64QAM	1	13	19.16	19.41	19.30	20.6	0		
5	64QAM	1	24	19.22	19.34	19.17				
5	64QAM	12	0	19.16	19.29	19.13				
5	64QAM	12	7	19.13	19.16	19.00	20.6	0		
5	64QAM	12	13	19.08	18.99	19.06				
5	64QAM	25	0	19.22	19.29	19.19				
5	256QAM	1	0	17.70	17.75	17.77				
5	256QAM	1	13	17.80	17.70	17.84	19	1.6		
5	256QAM	1	24	17.95	17.87	17.86				
5	256QAM	12	0	17.90	17.85	17.97				
5	256QAM	12	7	17.88	17.96	17.86	19	1.6		
5	256QAM	12	13	17.94	17.90	17.93				
5	256QAM	25	0	17.86	17.89	17.83				

Band 7 Ant1 DSI 3 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Mch./Freq.	Power Pch./Freq.	Time-up (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.96	19.13	19.69	17.3	0		
20	QPSK	1	49	19.93	19.81	19.79				
20	QPSK	1	99	19.96	19.86	19.90				
20	QPSK	50	0	19.99	19.05	19.84				
20	QPSK	50	24	19.81	19.85	19.73				
20	QPSK	50	50	19.85	19.85	19.79	17.3	0		
20	QPSK	100	0	19.96	19.01	19.89				
20	16QAM	1	0	19.80	19.80	19.77				
20	16QAM	1	49	19.72	19.77	19.82	17.3	0		
20	16QAM	1	99	19.66	19.70	19.82				
20	16QAM	50	0	19.98	19.82	19.82				
20	16QAM	50	24	19.84	19.88	19.75	17.3	0		
20	16QAM	50	50	19.89	19.88	19.86				
20	64QAM	1	0	19.95	19.88	19.85				
20	64QAM	1	49	19.79	19.99	19.78	17.3	0		
20	64QAM	1	99	19.83	19.90	19.73				
20	64QAM	50	0	19.84						



Band 17 Ant1 DSI 3&Default Power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.36	24.43	24.42				
10	QPSK	1	25	24.31	24.37	24.34			25	0
10	QPSK	1	49	24.39	24.34	24.31				
10	QPSK	25	0	23.33	23.40	23.34				
10	QPSK	25	12	23.34	23.36	23.37			24	1
10	QPSK	25	25	23.33	23.28	23.32				
10	QPSK	50	0	23.27	23.30	23.29				
10	16QAM	1	0	23.86	23.81	23.81				
10	16QAM	1	25	23.85	23.86	23.87			24	1
10	16QAM	1	49	23.88	23.71	23.69				
10	16QAM	50	0	22.83	22.85	22.85				
10	16QAM	25	12	22.87	22.83	22.89			23	2
10	16QAM	25	25	22.86	22.82	22.81				
10	64QAM	1	0	22.47	22.49	22.49				
10	64QAM	1	25	22.37	22.38	22.38			23	2
10	64QAM	1	49	22.46	22.47	22.48				
10	64QAM	25	0	21.51	21.55	21.64				
10	64QAM	25	12	21.46	21.45	21.44			22	3
10	64QAM	25	25	21.48	21.33	21.30				
10	256QAM	1	0	18.41	18.39	18.41				
10	256QAM	1	25	18.14	18.12	18.09			20	5
10	256QAM	1	49	18.31	18.30	18.38				
10	256QAM	25	0	18.52	18.47	18.50				
10	256QAM	25	12	18.59	18.61	18.61			20	5
10	256QAM	25	25	18.30	18.35	18.37				
10	256QAM	50	0	18.50	18.45	18.42				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.21	24.36	24.38				
5	QPSK	1	12	24.32	24.21	24.21			25	0
5	QPSK	1	24	24.25	24.26	24.21				
5	QPSK	12	0	23.19	23.41	23.29				
5	QPSK	12	7	23.25	23.30	23.33			24	1
5	QPSK	12	13	23.28	23.20	23.20				
5	QPSK	25	0	23.14	23.17	23.21				
5	16QAM	1	0	23.53	23.49	23.52				
5	16QAM	1	12	23.54	23.61	23.52			24	1
5	16QAM	1	24	23.55	23.60	23.59				
5	16QAM	12	0	22.31	22.43	22.47				
5	16QAM	12	7	22.13	22.13	22.17			23	2
5	16QAM	12	13	22.19	22.14	22.25				
5	16QAM	25	0	22.48	22.35	22.39				
5	64QAM	1	0	22.37	22.43	22.41				
5	64QAM	1	12	22.22	22.24	22.26			23	2
5	64QAM	1	24	22.40	22.37	22.40				
5	64QAM	12	0	21.36	21.47	21.39				
5	64QAM	12	7	21.38	21.40	21.40			22	3
5	64QAM	12	13	21.21	21.28	21.19				
5	64QAM	25	0	21.35	21.33	21.34				
5	256QAM	1	0	18.28	18.23	18.21				
5	256QAM	1	12	18.08	18.07	18.03			20	5
5	256QAM	1	24	18.20	18.23	18.28				
5	256QAM	12	0	18.41	18.37	18.38				
5	256QAM	12	7	18.55	18.55	18.57			20	5
5	256QAM	12	13	18.19	18.25	18.34				
5	256QAM	25	0	18.38	18.41	18.52				

Band 26 Ant1 DSI 3 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.80	21.86	21.83				
15	QPSK	1	37	21.11	21.15	21.15			22.5	0
15	QPSK	1	74	21.38	21.45	21.55				
15	QPSK	36	0	20.86	21.00	20.97			22.5	0
15	QPSK	36	20	20.81	20.76	20.80				
15	QPSK	36	39	20.85	20.85	20.80				
15	QPSK	75	0	20.89	20.92	20.81				
15	16QAM	1	0	20.93	20.92	20.98				
15	16QAM	1	37	20.81	20.85	20.82			22.5	0
15	16QAM	1	74	20.82	20.76	20.84				
15	16QAM	36	0	20.29	20.33	20.33			22	0.5
15	16QAM	36	20	20.35	20.33	20.38				
15	16QAM	36	39	20.31	20.22	20.29				
15	16QAM	75	0	19.18	19.24	19.17				
15	64QAM	1	0	20.49	20.49	20.51				
15	64QAM	1	37	20.55	20.58	20.52			22	0.5
15	64QAM	1	74	20.48	20.45	20.50				
15	64QAM	36	0	19.31	19.34	19.27				
15	64QAM	36	20	19.05	19.09	19.11			21	1.5
15	64QAM	36	39	19.18	19.24	19.17				
15	64QAM	75	0	19.17	19.17	19.20				
15	256QAM	1	0	17.49	17.38	17.38				
15	256QAM	1	37	17.41	17.45	17.41			19	3.5
15	256QAM	1	74	17.34	17.32	17.38				
15	256QAM	36	0	17.51	17.53	17.51				
15	256QAM	36	20	17.48	17.49	17.43			19	3.5
15	256QAM	36	39	17.47	17.33	17.43				
15	256QAM	75	0	17.45	17.46	17.43				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.86	20.89	20.85				
10	QPSK	1	25	20.71	20.76	20.72			22.5	0
10	QPSK	1	49	20.77	20.87	20.78				
10	QPSK	25	0	20.78	20.95	20.84				
10	QPSK	25	12	20.73	20.70	20.73			22.5	0
10	QPSK	25	25	20.72	20.71	20.71				
10	QPSK	50	0	20.84	20.81	20.87				
10	16QAM	1	0	20.78	20.84	20.84				
10	16QAM	1	25	20.75	20.78	20.79			22.5	0
10	16QAM	1	49	20.75	20.69	20.68				
10	16QAM	12	0	20.14	20.26	20.29				
10	16QAM	12	12	20.19	20.27	20.25			22	0.5
10	16QAM	12	25	20.25	20.28	20.18				
10	16QAM	25	0	20.27	20.33	20.29				
10	16QAM	25	12	20.38	20.36	20.41				
10	16QAM	25	25	20.41	20.49	20.47			22	0.5
10	64QAM	1	0	19.38	19.34	19.35				
10	64QAM	1	25	19.25	19.25	19.15				
10	64QAM	25	12	19.18	19.03	19.05			21	1.5
10	64QAM	25	25	19.08	19.13	19.11				
10	256QAM	1	0	17.40	17.25	17.24				
10	256QAM	1	25	17.29	17.30	17.30			19	3.5
10	256QAM	1	49	17.28	17.24	17.31				
10	256QAM	12	0	17.45	17.45	17.43				
10	256QAM	12	12	17.36	17.43	17.33			19	3.5
10	256QAM	12	25	17.35	17.24	17.29				
10	256QAM	50	0	17.47	17.38	17.43				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.91	21.00	20.73				
5	QPSK	1	24	20.72	20.76	20.72			22.5	0
5	QPSK	1	24	20.79	20.83	20.80				
5	QPSK	12	0	20.78	20.86	20.82				
5	QPSK	12	12	20.75	20.82	20.86			22.5	0
5	QPSK	12	13	20.75	20.69	20.72				
5	QPSK	25	0	20.83	20.88	20.77				
5	QPSK	25	1	20.87	20.77	20.77			22.5	0
5	16QAM	1	0	20.75	20.81	20.81				
5	16QAM	1	24	20.76	20.68	20.70				
5	16QAM	12	0	20.21	20.29	20.19				
5	16QAM	12	7	20.21	20.25	20.30			22	0.5
5	16QAM	12	13	20.25	20.28	20.23				
5	16QAM	25	0	20.33	20.38	20.32				
5	64QAM	1	0	20.38	20.42	20.43				
5	64QAM	1	12	20.34	20.38	20.33			22	



Band 66 Ant1 DSI 3 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.44	16.50	16.44	17.8	0		
20	QPSK	1	49	16.38	16.37	16.31				
20	QPSK	50	0	16.36	16.44	16.37				
20	QPSK	50	24	16.32	16.25	16.23				
20	QPSK	50	50	16.31	16.34	16.25	17.8	0		
20	QPSK	100	0	16.29	16.30	16.27				
20	HQAM	1	0	16.27	16.43	16.27				
20	HQAM	1	49	16.34	16.25	16.21	17.8	0		
20	HQAM	1	99	16.31	16.29	16.28				
20	HQAM	50	0	16.28	16.29	16.26				
20	HQAM	50	24	16.26	16.18	16.15	17.8	0		
20	HQAM	50	50	16.22	16.24	16.19				
20	HQAM	100	0	16.21	16.27	16.24				
20	HQAM	1	0	16.41	16.42	16.36				
20	HQAM	1	49	16.31	16.29	16.27	17.8	0		
20	HQAM	1	99	16.29	16.32	16.28				
20	HQAM	50	0	16.28	16.34	16.34				
20	HQAM	50	24	16.25	16.19	16.16	17.8	0		
20	HQAM	50	50	16.24	16.26	16.19				
20	HQAM	100	0	16.28	16.26	16.25				
20	ZSSBDM	1	0	16.31	16.36	16.30				
20	ZSSBDM	1	49	16.26	16.17	16.21	17.8	0		
20	ZSSBDM	1	99	16.28	16.22	16.22				
20	ZSSBDM	50	0	16.22	16.30	16.26				
20	ZSSBDM	50	24	16.20	16.13	16.10	17.8	0		
20	ZSSBDM	50	50	16.17	16.19	16.16				
20	ZSSBDM	100	0	16.11	16.23	16.15				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.35	16.45	16.36				
15	QPSK	1	37	16.27	16.26	16.26	17.8	0		
15	QPSK	1	74	16.31	16.32	16.26				
15	QPSK	36	0	16.31	16.35	16.33				
15	QPSK	36	20	16.29	16.17	16.21	17.8	0		
15	QPSK	36	36	16.28	16.28	16.22				
15	QPSK	75	0	16.26	16.25	16.23				
15	HQAM	1	0	16.23	16.38	16.26				
15	HQAM	1	37	16.32	16.23	16.12	17.8	0		
15	HQAM	1	74	16.24	16.24	16.25				
15	HQAM	36	0	16.28	16.32	16.31				
15	HQAM	36	20	16.24	16.15	16.11	17.8	0		
15	HQAM	36	36	16.18	16.14	16.12				
15	HQAM	75	0	16.19	16.24	16.21				
15	HQAM	1	0	16.38	16.34	16.29				
15	HQAM	1	37	16.27	16.19	16.23	17.8	0		
15	HQAM	1	74	16.20	16.25	16.23				
15	HQAM	36	0	16.25	16.26	16.31				
15	HQAM	36	20	16.22	16.14	16.10	17.8	0		
15	HQAM	36	36	16.22	16.26	16.21				
15	HQAM	75	0	16.21	16.23	16.16				
15	ZSSBDM	1	0	16.27	16.32	16.26				
15	ZSSBDM	1	37	16.22	16.13	16.21	17.8	0		
15	ZSSBDM	1	74	16.23	16.14	16.14				
15	ZSSBDM	36	0	16.23	16.26	16.26				
15	ZSSBDM	36	20	16.12	16.05	16.01	17.8	0		
15	ZSSBDM	36	36	16.12	16.16	16.06				
15	ZSSBDM	75	0	16.11	16.14	16.09				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.30	16.41	16.36				
10	QPSK	1	25	16.32	16.27	16.21	17.8	0		
10	QPSK	1	49	16.31	16.28	16.20				
10	QPSK	25	0	16.30	16.34	16.32				
10	QPSK	25	12	16.26	16.15	16.16	17.8	0		
10	QPSK	25	25	16.21	16.26	16.14				
10	QPSK	50	0	16.20	16.21	16.22				
10	HQAM	1	0	16.28	16.37	16.27				
10	HQAM	1	25	16.26	16.17	16.12	17.8	0		
10	HQAM	1	49	16.24	16.22	16.21				
10	HQAM	25	0	16.15	16.29	16.27				
10	HQAM	25	12	16.19	16.11	16.09	17.8	0		
10	HQAM	25	25	16.14	16.16	16.16				
10	HQAM	50	0	16.15	16.16	16.16				
10	HQAM	1	0	16.32	16.34	16.30				
10	HQAM	1	25	16.23	16.22	16.22	17.8	0		
10	HQAM	1	49	16.20	16.23	16.18				
10	HQAM	25	0	16.22	16.28	16.28				
10	HQAM	25	12	16.15	16.13	16.07	17.8	0		
10	HQAM	25	25	16.15	16.22	16.08				
10	HQAM	50	0	16.15	16.18	16.18				
10	HQAM	1	0	16.23	16.36	16.25				
10	ZSSBDM	1	0	16.22	16.08	16.07	17.8	0		
10	ZSSBDM	1	25	16.23	16.23	16.23				
10	ZSSBDM	1	49	16.23	16.16	16.12				
10	ZSSBDM	25	0	16.13	16.15	16.15				
10	ZSSBDM	25	12	16.11	16.03	16.02	17.8	0		
10	ZSSBDM	25	25	16.09	16.11	16.05				
10	ZSSBDM	50	0	16.11	16.14	16.08				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.35	16.41	16.36				
5	QPSK	1	12	16.32	16.27	16.21	17.8	0		
5	QPSK	1	24	16.25	16.26	16.20				
5	QPSK	12	0	16.31	16.34	16.31				
5	QPSK	12	6	16.20	16.13	16.10	17.8	0		
5	QPSK	12	13	16.23	16.28	16.19				
5	QPSK	25	0	16.26	16.22	16.22				
5	HQAM	1	0	16.26	16.35	16.25				
5	HQAM	1	12	16.27	16.19	16.13	17.8	0		
5	HQAM	1	24	16.21	16.21	16.16				
5	HQAM	12	0	16.20	16.29	16.26				
5	HQAM	12	6	16.16	16.06	16.07	17.8	0		
5	HQAM	12	13	16.13	16.16	16.16				
5	HQAM	25	0	16.15	16.22	16.18				
5	HQAM	1	0	16.32	16.30	16.28				
5	HQAM	12	12	16.23	16.18	16.22	17.8	0		
5	HQAM	1	24	16.24	16.19	16.14				
5	HQAM	12	0	16.22	16.21	16.28				
5	HQAM	12	6	16.13	16.10	16.07	17.8	0		
5	HQAM	12	13	16.18	16.18	16.13				
5	HQAM	25	0	16.17	16.17	16.14				
5	ZSSBDM	1	0	16.22	16.07	16.02				
5	ZSSBDM	1	12	16.24	16.06	16.11	17.8	0		
5	ZSSBDM	1	24	16.19	16.12	16.10				
5	ZSSBDM	12	0	16.10	16.21	16.16				
5	ZSSBDM	12	6	16.14	16.01	16.01	17.8	0		
5	ZSSBDM	12	13	16.07	16.09	16.10				
5	ZSSBDM	25	0	16.09	16.14	16.08				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.35	16.43	16.36				
3	QPSK	1	8	16.34	16.30	16.22	17.8	0		
3	QPSK	1	14	16.32	16.31	16.22				
3	QPSK	8	0	16.28	16.34	16.31				
3	QPSK	8	4	16.27	16.17	16.19	17.8	0		
3	QPSK	8	7	16.26	16.28	16.15				
3	QPSK	15	0	16.18	16.18	16.15				
3	HQAM	1	0	16.31	16.40	16.33				
3	HQAM	1	8	16.23	16.20	16.15	17.8	0		
3	HQAM	1	14	16.27	16.23	16.25				
3	HQAM	8	0	16.23	16.30	16.25				
3	HQAM	8	4	16.16	16.06	16.08	17.8	0		
3	HQAM	8	7	16.13	16.20	16.10				
3	HQAM	15	0	16.11	16.14	16.11				
3	HQAM	1	0	16.28	16.31	16.25				
3	HQAM	1	8	16.20	16.21	16.18	17.8	0		
3	HQAM	1	14	16.20	16.25					



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

Band 38 Ant1 PC2&PC3 DSI 3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.70	15.76	15.47	16.7	0	
20	QPSK	1	49	15.50	15.60	15.48			
20	QPSK	1	99	15.49	15.68	15.49			
20	QPSK	50	0	15.49	15.66	15.46	16.7	0	
20	QPSK	50	24	15.58	15.61	15.52			
20	QPSK	50	50	15.46	15.59	15.58			
20	QPSK	100	0	15.54	15.53	15.48	16.7	0	
20	16QAM	1	0	15.59	15.53	15.57			
20	16QAM	1	49	15.45	15.68	15.59			
20	16QAM	1	99	15.59	15.65	15.52	16.7	0	
20	16QAM	50	0	15.59	15.64	15.53			
20	16QAM	50	24	15.45	15.60	15.58			
20	16QAM	50	50	15.48	15.63	15.55	16.7	0	
20	16QAM	100	0	15.56	15.55	15.49			
20	64QAM	1	0	15.54	15.62	15.55			
20	64QAM	1	49	15.62	15.57	15.55	16.7	0	
20	64QAM	1	99	15.61	15.61	15.61			
20	64QAM	50	0	15.47	15.60	15.50			
20	64QAM	50	24	15.64	15.57	15.54	16.7	0	
20	64QAM	50	50	15.48	15.57	15.51			
20	64QAM	100	0	15.49	15.51	15.53			
20	256QAM	1	0	15.56	15.48	15.47	16.7	0	
20	256QAM	1	49	15.48	15.45	15.40			
20	256QAM	1	99	15.57	15.57	15.50			
20	256QAM	50	0	15.40	15.49	15.38	16.7		



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

Band 42 Ant4 DSI 3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	16.33	16.40	16.38	17.5	0	
20	QPSK	1	49	16.24	16.35	16.32			
20	QPSK	1	99	16.27	16.37	16.26			
20	QPSK	50	0	16.21	16.37	16.26	17.5	0	
20	QPSK	50	24	16.24	16.31	16.28			
20	QPSK	50	50	16.22	16.33	16.30			
20	QPSK	100	0	16.30	16.36	16.29	17.5	0	
20	16QAM	1	0	16.19	16.33	16.32			
20	16QAM	1	49	16.08	16.18	16.27			
20	16QAM	1	99	16.06	16.17	16.14	17.5	0	
20	16QAM	50	0	16.23	16.34	16.18			
20	16QAM	50	24	16.11	16.24	16.09			
20	16QAM	50	50	16.12	16.25	16.24	17.5	0	
20	16QAM	100	0	16.16	16.22	16.12			
20	64QAM	1	0	16.26	16.30	16.23			
20	64QAM	1	49	16.24	16.24	16.12	17.5	0	
20	64QAM	1	99	16.17	16.15	16.16			
20	64QAM	50	0	16.25	16.23	16.25			
20	64QAM	50	24	16.15	16.17	16.09	17.5	0	
20	64QAM	50	50	16.25	16.34	16.33			
20	64QAM	100	0	16.10	16.35	16.15			
20	256QAM	1	0	16.21	16.21	16.23	17.5	0	
20	256QAM	1	49	16.11	16.28	16.13			
20	256QAM	1	99	16.10	16.23	16.14			
20	256QAM	50	0	16.21	16.21	16.20	17.5	0	
20	2								



AntD DSI 6 Standalone													
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
Tx Channel	128	189	251		128	189	251						
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8							
GSM 1 Tx slot	32.20	32.07	32.05	33.50	23.20	23.07	23.05	24.50					
GPRS 1 Tx slot	32.19	32.05	32.02	33.50	23.19	23.05	23.02	24.50					
GPRS 2 Tx slots	31.11	30.84	30.71	32.00	25.11	24.84	24.71	26.00					
GPRS 3 Tx slots	29.71	29.46	29.42	30.90	25.45	25.20	25.16	26.64					
GPRS 4 Tx slots	28.01	27.71	27.65	29.50	25.01	24.71	24.65	26.50					
EDGE 1 Tx slot	25.31	25.96	26.01	27.00	18.91	16.96	17.01	18.00					
EDGE 2 Tx slots	24.89	25.10	24.86	26.50	18.89	19.10	18.86	20.50					
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24					
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50					
AntD DSI 6 Simultaneous													
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
Tx Channel	128	189	251		128	189	251						
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8							
GSM 1 Tx slot	31.85	31.94	31.77	33.50	22.85	22.94	22.77	24.50					
GPRS 1 Tx slot	32.05	32.12	31.94	33.50	23.05	23.12	22.94	24.50					
GPRS 2 Tx slots	29.74	29.86	29.84	31.60	23.74	23.86	23.84	25.60					
GPRS 3 Tx slots	28.35	28.17	28.13	29.90	24.09	23.91	23.87	25.64					
GPRS 4 Tx slots	26.67	26.75	26.70	28.60	23.67	23.75	23.70	25.60					
EDGE 1 Tx slot	25.91	25.96	26.01	27.00	18.91	16.96	17.01	18.00					
EDGE 2 Tx slots	24.89	25.10	24.86	26.50	18.89	19.10	18.86	20.50					
EDGE 3 Tx slots	23.50	23.32	23.11	24.50	19.24	19.06	18.85	20.24					
EDGE 4 Tx slots	21.85	21.87	21.96	23.50	18.85	18.87	18.96	20.50					
AntD DSI 6 Standalone													
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
Tx Channel	512	661	810		512	661	810						
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8							
GSM 1 Tx slot	27.61	27.84	27.76	28.50	18.61	18.76	18.66	19.60					
GPRS 1 Tx slot	28.78	28.81	28.75	30.10	19.78	19.81	19.75	21.10					
GPRS 2 Tx slots	25.97	25.86	25.90	27.10	19.97	19.86	19.90	21.10					
GPRS 3 Tx slots	24.46	24.40	24.37	25.40	20.20	20.14	20.11	21.14					
GPRS 4 Tx slots	23.13	23.04	23.04	24.10	20.13	20.04	20.04	21.10					
EDGE 1 Tx slot	25.41	25.67	25.50	26.50	16.41	16.67	16.50	17.50					
EDGE 2 Tx slots	24.56	24.18	24.15	25.50	16.56	16.18	16.15	19.50					
EDGE 3 Tx slots	22.82	23.00	22.59	24.50	16.26	16.74	16.33	20.24					
EDGE 4 Tx slots	21.27	21.33	21.14	22.50	18.27	18.33	18.14	19.50					
AntD DSI 6 Simultaneous													
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
Tx Channel	512	661	810		512	661	810						
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8							
GSM 1 Tx slot	27.71	27.76	27.66	28.60	18.71	18.76	18.66	19.60					
GPRS 1 Tx slot	27.61	27.84	27.76	28.50	18.61	18.76	18.66	19.60					
GPRS 2 Tx slots	24.68	24.54	24.55	25.60	18.68	18.54	18.55	19.60					
GPRS 3 Tx slots	22.86	22.90	22.85	23.90	18.60	18.64	18.59	19.64					
GPRS 4 Tx slots	21.56	21.56	21.64	22.60	18.56	18.56	18.64	19.60					
EDGE 1 Tx slot	25.52	25.65	25.61	26.50	16.52	16.65	16.61	17.50					
EDGE 2 Tx slots	24.57	24.21	24.22	25.50	16.57	16.21	16.22	19.50					
EDGE 3 Tx slots	22.61	23.07	22.59	23.90	18.35	18.81	18.33	19.64					
EDGE 4 Tx slots	21.31	21.30	21.16	22.50	18.31	18.30	18.16	19.50					
AntD DSI 6 Standalone													
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
Tx Channel	512	661	810		512	661	810						
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8							
GSM 1 Tx slot	27.71	27.76	27.66	28.60	18.71	18.76	18.66	19.60					
GPRS 1 Tx slot	27.61	27.84	27.76	28.50	18.61	18.76	18.66	19.60					
GPRS 2 Tx slots	24.68	24.54	24.55	25.60	18.68	18.54	18.55	19.60					
GPRS 3 Tx slots	22.86	22.90	22.85	23.90	18.60	18.64	18.59	19.64					
GPRS 4 Tx slots	21.56	21.56	21.64	22.60	18.56	18.56	18.64	19.60					
EDGE 1 Tx slot	25.52	25.65	25.61	26.50	16.52	16.65	16.61	17.50					
EDGE 2 Tx slots	24.57	24.21	24.22	25.50	16.57	16.21	16.22	19.50					
EDGE 3 Tx slots	22.61	23.07	22.59	23.90	18.35	18.81	18.33	19.64					
EDGE 4 Tx slots	21.31	21.30	21.16	22.50	18.31	18.30	18.16	19.50					
AntD DSI 6 Standalone & Standalone													
Band		WCDMA II			WCDMA IV			WCDMA V					
Tx Channel	Rx Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233			
Frequency (MHz)	9562	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	19.50	19.63	19.55	20.40	17.80	17.72	17.64	19.20	23.64	23.71	23.64	24.00
3GPP Rel 99	RMC 12.2Kbps	19.54	19.66	19.56	20.40	17.85	17.77	17.69	19.20	23.69	23.72	23.65	24.00
3GPP Rel 6	HSDPA Subtest-1	18.57	18.67	18.68	19.40	16.63	16.83	16.63	18.20	21.60	21.66	21.69	23.00
3GPP Rel 6	HSDPA Subtest-2	18.40	18.76	18.81	19.40	16.75	16.63	16.66	18.20	21.67	21.55	21.49	23.00
3GPP Rel 6	HSDPA Subtest-3	18.31	18.04	18.05	18.90	16.19	16.13	16.15	17.70	21.14	21.27	21.11	22.50
3GPP Rel 6	HSDPA Subtest-4	17.77	18.15	18.08	18.90	16.27	16.23	16.14	17.70	21.04	21.13	20.86	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.65	18.83	19.40	16.53	16.73	16.52	18.20	21.73	21.57	21.65	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.82	18.80	18.85	19.40	16.58	16.67	16.35	18.20	21.49	21.78	21.49	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.23	18.10	17.81	18.90	16.04	16.00	16.13	17.70	21.39	21.34	21.22	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.99	18.25	18.14	18.90	16.15	16.23	16.13	17.70	20.95	21.29	21.08	22.50
3GPP Rel 6	HSUPA Subtest-1	18.65	18.55	18.89	19.40	16.71	16.65	16.61	18.20	21.57	21.71	21.74	23.00
3GPP Rel 6	HSUPA Subtest-2	16.69	16.70	16.70	17.40	14.73	14.70	14.68	16.20	19.83	19.59	19.58	21.00
3GPP Rel 6	HSUPA Subtest-3	17.71	17.68	17.43	18.40	15.65	15.51	15.66	17.20	20.59	20.95	20.53	22.00
3GPP Rel 6	HSUPA Subtest-4	16.44	16.58	16.68	17.40	14.88	14.64	14.64	16.20	19.47	19.67	19.32	21.00
3GPP Rel 6	HSUPA Subtest-5	18.47	18.71	18.81	19.40	16.68	16.74	16.58	18.20	21.51	21.77	21.81	23.00
AntD DSI 6 Simultaneous													
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
Tx Channel	9262	9400	9538		1312	1413	1513						
Frequency (MHz)	9562	9800	9938	1537	1638	1738							
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6							
3GPP Rel 99	AMR 12.2Kbps	18.01	18.08	18.00	18.90	16.03	16.14	16.05	17.70	23.64	23.71	23.64	24.00
3GPP Rel 99	RMC 12.2Kbps	18.04	18.13	18.06	18.90	16.08	16.17	16.11	17.70	23.69	23.72	23.65	24.00
3GPP Rel 6	HSDPA Subtest-1	17.03	17.14	17.10	17.90	15.08	15.27	15.11	16.70	21.60	21.66	21.69	23.00
3GPP Rel 6	HSDPA Subtest-2	16.93	17.26	17.29	17.90	15.23	15.11	15.10	16.70	21.67	21.55	21.49	23.00
3GPP Rel 6	HSDPA Subtest-3	16.78	16.52	16.49	17.40	14.57	14.53	14.57	16.20	21.14	21.27	21.11	22.50
3GPP Rel 6	HSDPA Subtest-4	16.32	16.60	16.56	17.40	14.73	14.65	14.63	16.20	21.04	21.13	20.86	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.37	17.17	17.31	17.90	14.93	15.21	14.93	16.70	21.73	21.57	21.65	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.28	17.29	17.29	17.90	15.05	15.10	14.74	16.70	21.49	21.78	21.49	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.76	16.44	16.34	17.40	14.52	14.45	14.53	16.20	21.39	21.34	21.22	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.44	16.72	16.55	17.40	14.61	14.67	14.56	16.20	20.95	21.29	21.08	22.50
3GPP Rel 6	HSUPA Subtest-1	17.21	17.08	17.23	17.90	15.10	15.09	15.03	16.70	21.57	21.71	21.74	23.00
3GPP Rel 6	HSUPA Subtest-2	15.16	15.22	15.20	15.90	13.12	13.13	13.12	14.70	19.83	19.59	19.58	21.00
3GPP Rel 6	HSUPA Subtest-3	16.11	16.05	15.87	16.90	14.09	13.97	14.08	15.70	20.59	20.95	20.53	22.00
3GPP Rel 6	HSUPA Subtest-4	15.03	15.09	15.04	15.90	13.10	13.08	13.12	14.70	19.47	19.67	19.32	21.00
3GPP Rel 6	HSUPA Subtest-5	16.96	17.13	17.27	17.90	15.16	15.17	15.03	16.70	21.51	21.77	21.81	23.00

Ant1 DSI 6 Standalone								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.14	32.17	32.13	33.50	23.14	23.17	23.13	24.50
GPRS 1 Tx slot	32.13	32.15	32.11	33.50	23.13	23.15	23.11	24.50
GPRS 2 Tx slots	31.03	30.89	30.85	32.00	25.03	24.89	24.85	26.00
GPRS 3 Tx slots	29.11	29.13	29.08	30.90	24.85	24.87	24.82	26.64
GPRS 4 Tx slots	27.52	27.54	27.51	29.50	24.52	24.54	24.51	26.50
EDGE 1 Tx slot	25.43	25.65	25.53	27.00	18.43	18.65	18.53	18.00
EDGE 2 Tx slots	24.67	24.58	24.70	26.50	18.67	18.58	18.70	20.50
EDGE 3 Tx slots	23.19	23.15	23.12	24.50	18.93	18.89	18.86	20.24
EDGE 4 Tx slots	21.57	21.62	21.51	23.50	18.57	18.62	18.51	20.50

Ant1 DSI 6 Simultaneous								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.14	32.17	32.13	33.50	23.14	23.17	23.13	24.50
GPRS 1 Tx slot	32.13	32.15	32.11	33.50	23.13	23.15	23.11	24.50
GPRS 2 Tx slots	31.03	30.89	30.85	32.00	25.03	24.89	24.85	26.00
GPRS 3 Tx slots	29.11	29.13	29.08	30.90	24.85	24.87	24.82	26.64
GPRS 4 Tx slots	27.52	27.54	27.51	29.50	24.52	24.54	24.51	26.50
EDGE 1 Tx slot	25.43	25.65	25.53	27.00	18.43	18.65	18.53	18.00
EDGE 2 Tx slots	24.67	24.58	24.70	26.50	18.67	18.58	18.70	20.50
EDGE 3 Tx slots	23.19	23.15	23.12	24.50	18.93	18.89	18.86	20.24
EDGE 4 Tx slots	21.57	21.62	21.51	23.50	18.57	18.62	18.51	20.50

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

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



Band 2 Ant0 DSI 6 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.66	18.77	19.72	20.5	0		
20	QPSK	1	49	18.65	18.67	19.82				
20	QPSK	1	99	18.65	18.67	19.82				
20	QPSK	50	0	18.56	18.60	19.42				
20	QPSK	50	24	18.52	18.56	19.43			19.4	0
20	QPSK	50	50	18.51	18.45	19.32				
20	QPSK	100	0	18.52	18.54	19.43				
20	QPSK	100	0	18.51	18.51	19.48				
20	16QAM	1	49	18.47	18.44	19.38	20.5	0		
20	16QAM	1	99	18.48	18.48	19.31				
20	16QAM	50	0	18.40	18.45	19.22				
20	16QAM	50	24	18.38	18.45	19.38				
20	16QAM	50	50	18.29	18.33	19.40				
20	16QAM	100	0	18.50	18.50	19.28				
20	16QAM	1	0	18.54	18.51	19.37				
20	16QAM	1	49	18.44	18.49	19.52	20.5	0		
20	16QAM	50	0	18.32	18.26	19.38				
20	16QAM	50	24	18.29	18.22	19.52				
20	16QAM	50	50	18.15	18.15	19.35				
20	16QAM	100	0	18.40	18.33	19.30				
20	256QAM	1	49	17.48	17.38	17.51	19	1.5		
20	256QAM	1	99	17.26	17.26	17.38				
20	256QAM	50	0	17.26	17.26	17.38				
20	256QAM	50	24	17.38	17.31	17.27				
20	256QAM	50	50	17.40	17.39	17.49				
20	256QAM	100	0	17.25	17.25	17.32				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.60	18.60	19.55	20.5	0		
15	QPSK	1	37	18.60	18.65	19.40				
15	QPSK	1	74	18.57	18.58	19.43				
15	QPSK	1	111	18.49	18.58	19.44				
15	QPSK	36	0	18.50	18.56	19.28				
15	QPSK	36	25	18.39	18.48	19.28				
15	QPSK	36	39	18.41	18.37	19.20				
15	QPSK	75	0	18.46	18.44	19.42				
15	QPSK	75	0	18.35	18.35	19.42				
15	16QAM	1	37	18.33	18.38	19.23	20.5	0		
15	16QAM	1	74	18.32	18.32	19.28				
15	16QAM	36	0	18.25	18.33	19.08				
15	16QAM	36	20	18.31	18.38	19.23				
15	16QAM	36	25	18.25	18.25	19.08				
15	16QAM	75	0	18.38	18.25	19.15				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM	75	0	18.35	18.35	19.42				
15	16QAM	75	0	18.25	18.25	19.08				
15	16QAM	1	0	18.48	18.39	19.27				
15	16QAM	1	37	18.45	18.45	19.27				
15	16QAM	1	74	18.37	18.37	19.28				
15	16QAM	1	111	18.35	18.35	19.25				
15	16QAM	36	0	18.27	18.19	19.25				
15	16QAM	36	25	18.27	18.27	19.28				
15	16QAM	36	39	18.11	18.05	19.02				
15	16QAM									



Band 4 Ant0 DSI 6 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (min)	MPE (dB)	MPE (dB)	
Channel										
	Frequency (MHz)			1700	1720.5	1740				
20	QPSK	1	0	16.19	16.25	16.17				
20	QPSK	1	49	16.13	16.14	16.13	17.9	0		
20	QPSK	1	99	16.03	16.08	16.21				
20	QPSK	50	0	16.13	16.24	16.02				
20	QPSK	50	24	16.00	16.05	16.20				
20	QPSK	50	50	16.13	16.10	16.05	17.9	0		
20	QPSK	100	0	15.92	16.08	16.07				
20	HQAM	100	0	15.99	16.10	15.99				
20	HQAM	1	49	15.90	15.88	15.90	17.9	0		
20	HQAM	1	99	16.00	16.07	16.00				
20	HQAM	50	0	15.98	16.14	15.94				
20	HQAM	50	24	15.82	16.00	15.91				
20	HQAM	50	50	15.96	15.99	15.96				
20	HQAM	100	0	15.97	16.07	15.95				
20	HQAM	100	0	15.91	16.04	15.89				
20	HQAM	1	49	15.97	16.15	16.03	17.9	0		
20	HQAM	1	99	16.00	16.12	15.96				
20	HQAM	50	0	15.85	16.08	15.90				
20	HQAM	50	24	15.96	16.11	15.94	17.9	0		
20	HQAM	50	50	15.93	16.06	15.90				
20	HQAM	100	0	15.87	15.88	15.80				
20	SSQAM	1	49	15.98	16.06	15.99				
20	SSQAM	1	99	16.08	16.15	16.06	17.9	0		
20	SSQAM	50	0	15.97	16.07	15.90				
20	SSQAM	50	24	15.97	16.09	16.00	17.9	0		
20	SSQAM	50	50	15.84	15.84	15.87				
20	SSQAM	100	0	15.87	16.03	15.87				
Channel										
	Frequency (MHz)			2000	2017.5	2035				
15	QPSK	1	0	17.17	17.215	17.175				
15	QPSK	1	37	16.11	16.15	16.05	17.9	0		
15	QPSK	1	74	15.92	15.96	16.14				
15	QPSK	36	0	16.07	16.10	15.92				
15	QPSK	36	20	15.93	15.93	15.98				
15	QPSK	36	36	16.03	16.03	15.90	17.9	0		
15	HQAM	75	0	15.78	15.80	15.86				
15	HQAM	75	0	15.84	15.82	15.86				
15	HQAM	1	37	15.78	15.81	15.79	17.9	0		
15	HQAM	1	74	15.94	15.96	15.97				
15	HQAM	36	0	15.91	16.00	15.93				
15	HQAM	36	20	15.69	15.89	15.87	17.9	0		
15	HQAM	36	36	15.82	15.82	15.86				
15	HQAM	75	0	15.87	15.93	15.92				
15	HQAM	1	0	15.75	15.83	15.82	17.9	0		
15	HQAM	1	37	15.90	15.92	15.90				
15	HQAM	1	74	15.87	16.12	15.83				
15	HQAM	36	0	15.79	15.93	15.81				
15	HQAM	36	20	15.88	15.88	15.89	17.9	0		
15	HQAM	36	36	15.89	15.97	15.95				
15	HQAM	75	0	15.81	15.87	15.84				
15	SSQAM	1	37	15.84	16.00	15.81	17.9	0		
15	SSQAM	1	74	16.02	16.06	16.00				
15	SSQAM	36	0	15.81	16.03	15.92				
15	SSQAM	36	20	15.71	16.03	15.92	17.9	0		
15	SSQAM	36	36	15.70	15.89	15.81				
15	SSQAM	75	0	15.86	15.88	15.87				
Channel										
	Frequency (MHz)			2000	2017.5	2035				
10	QPSK	1	0	17.15	17.215	17.15				
10	QPSK	1	25	16.05	16.06	16.04	17.9	0		
10	QPSK	1	49	15.94	15.92	16.08				
10	QPSK	25	0	16.08	16.13	16.08				
10	QPSK	25	12	15.95	15.94	15.91	17.9	0		
10	QPSK	25	25	16.00	15.96	15.97				
10	HQAM	1	0	15.88	16.03	15.89				
10	HQAM	1	25	15.79	15.77	15.86	17.9	0		
10	HQAM	1	49	16.00	16.00	16.00				
10	HQAM	25	0	15.91	16.03	15.95				
10	HQAM	25	12	15.86	15.82	15.88	17.9	0		
10	HQAM	25	25	15.78	15.89	15.86				
10	HQAM	50	0	15.87	15.92	15.88				
10	HQAM	1	0	15.80	15.95	15.78	17.9	0		
10	HQAM	1	25	15.82	16.02	15.87				
10	HQAM	1	49	15.94	16.10	15.81				
10	HQAM	25	0	15.76	15.94	15.79	17.9	0		
10	HQAM	25	12	15.84	15.86	15.86				
10	HQAM	25	25	15.93	15.91	15.87				
10	HQAM	50	0	15.72	15.74	15.87				
10	SSQAM	1	25	15.88	16.02	15.87	17.9	0		
10	SSQAM	1	49	15.97	16.07	15.87				
10	SSQAM	25	0	15.91	15.89	15.89				
10	SSQAM	25	12	15.92	16.03	15.89	17.9	0		
10	SSQAM	25	25	15.73	15.81	15.83				
10	SSQAM	50	0	15.85	15.87	15.87				
Channel										
	Frequency (MHz)			1997.5	2017.5	2037.5				
5	QPSK	1	0	16.15	16.10	16.14				
5	QPSK	1	12	16.00	16.03	16.12	17.9	0		
5	QPSK	1	24	15.87	16.02	16.13				
5	QPSK	12	0	16.08	16.13	16.08				
5	QPSK	12	7	15.95	15.96	15.90	17.9	0		
5	QPSK	12	13	16.00	15.95	15.89				
5	QPSK	25	0	15.71	15.85	15.89				
5	HQAM	1	0	15.90	16.08	15.91				
5	HQAM	1	12	15.76	15.82	15.83	17.9	0		
5	HQAM	1	24	15.85	15.89	15.97				
5	HQAM	12	0	15.85	16.08	15.98				
5	HQAM	12	7	15.70	15.89	15.80	17.9	0		
5	HQAM	12	13	15.81	15.87	15.90				
5	HQAM	25	0	15.84	16.03	15.87				
5	HQAM	1	0	15.88	16.07	15.83	17.9	0		
5	HQAM	1	12	15.87	16.09	15.97				
5	HQAM	1	24	15.93	16.12	15.78				
5	HQAM	12	0	15.75	15.95	15.79	17.9	0		
5	HQAM	12	7	15.80	15.87	15.89				
5	HQAM	12	13	15.93	15.93	15.89				
5	HQAM	25	0	15.79	15.73	15.88				
5	SSQAM	1	0	15.88	15.88	15.87	17.9	0		
5	SSQAM	1	12	15.86	16.07	15.89				
5	SSQAM	1	24	15.94	15.92	15.88				
5	SSQAM	12	0	15.93	15.98	15.84	17.9	0		
5	SSQAM	12	7	15.71	15.84	15.75				
5	SSQAM	12	13	15.91	15.94	15.75				
5	SSQAM	25	0	15.92	15.90	15.93				
5	SSQAM	50	0	15.92	15.90	15.93				
Channel										
	Frequency (MHz)			1996.5	2017.5	2038.5				
3	QPSK	1	0	16.14	16.10	16.14				
3	QPSK	1	8	15.98	16.06	16.14	17.9	0		
3	QPSK	1	14	15.98	15.95	16.12				
3	QPSK	8	0	16.08	16.15	16.01				
3	QPSK	8	4	15.85	15.92	15.91	17.9	0		
3	QPSK	8	7	16.05	16.05	15.96				
3	HQAM	1	0	15.92	16.05	15.99				
3	HQAM	1	8	15.79	15.72	15.77	17.9	0		
3	HQAM	1	14	15.86	15.94	15.96				
3	HQAM	8	0	15.94	16.03	15.92				
3	HQAM	8	4	15.89	15.87	15.82	17.9	0		
3	HQAM	8	7	15.74	15.86	15.82				
3	HQAM	15	0	15.89	16.01	15.95				
3	HQAM	1	0	15.80	15.91	15.79	17.9	0		
3	HQAM	1	8	15.88	16.09	15.97				
3	HQAM	1	14	15.93	16.13	15.79				



Band 13 Ant0 DSI6 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Time-up (min)	MRR (dB)	MRR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.31			25	0	
10	QPSK	1	26	24.17					
10	QPSK	1	49	24.24					
10	QPSK	25	0	23.23			24	1	
10	QPSK	25	26	23.27					
10	QPSK	25	26	23.30					
10	QPSK	50	0	23.24					
10	16QAM	1	0	23.58			24	1	
10	16QAM	1	26	23.45					
10	16QAM	1	49	23.51					
10	16QAM	25	0	22.29			23	2	
10	16QAM	25	12	22.32					
10	16QAM	25	26	22.46					
10	16QAM	50	0	22.25					
10	84QAM	1	0	22.42			19.4	0	
10	84QAM	1	26	22.40					
10	84QAM	1	49	22.29					
10	84QAM	25	0	21.46			19.4	0	
10	84QAM	25	12	21.50					
10	84QAM	25	26	21.36					
10	84QAM	50	0	21.41			19.4	0	
10	256QAM	1	0	19.56			20	5	
10	256QAM	1	26	19.37					
10	256QAM	1	49	19.52					
10	256QAM	25	0	19.28			20	5	
10	256QAM	25	12	19.31					
10	256QAM	25	26	19.43					
10	256QAM	50	0	19.22					
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.30	24.17	24.26	25	0	
5	QPSK	1	24	24.13	24.09	24.14			
5	QPSK	1	24	24.11	24.16	24.14			
5	QPSK	12	0	23.38	23.26	23.23	24	1	
5	QPSK	12	7	23.36	23.32	23.37			
5	QPSK	12	13	23.31	23.19	23.26			
5	16QAM	1	0	23.58	23.54	23.54	24	1	
5	16QAM	1	12	23.49	23.31	23.39			
5	16QAM	12	0	22.25	22.28	22.27	23	2	
5	16QAM	12	7	22.26	22.17	22.15			
5	16QAM	12	13	22.42	22.35	22.40			
5	84QAM	1	0	22.17	22.11	22.18	19.4	0	
5	84QAM	1	0	22.35	22.34	22.41			
5	84QAM	12	0	21.41	21.38	21.46	19.4	0	
5	84QAM	12	7	21.47	21.38	21.46			
5	84QAM	12	13	21.35	21.22	21.19			
5	84QAM	25	0	21.30	21.26	21.27	19.4	0	
5	256QAM	1	0	19.46	19.43	19.47	20	5	
5	256QAM	1	12	19.38	19.25	19.23			
5	256QAM	12	0	19.32	19.26	19.24			
5	256QAM	12	7	19.29	19.24	19.34			
5	256QAM	12	13	19.46	19.26	19.32			
5	256QAM	25	0	19.38	19.21	19.28			

Band 66 Ant0 DSI 6 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Time-up (min)	MRR (dB)	MRR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.77	17.87	17.83	19.4	0	
20	QPSK	1	49	17.83	17.81	17.82			
20	QPSK	1	99	17.83	17.81	17.82			
20	QPSK	50	0	17.87	17.70	17.89	19.4	0	
20	QPSK	50	24	17.44	17.55	17.69			
20	QPSK	50	50	17.81	17.62	17.80			
20	QPSK	100	0	17.26	17.23	17.53	19.4	0	
20	16QAM	1	0	17.47	17.63	17.86			
20	16QAM	1	49	17.50	17.44	17.41	19.4	0	
20	16QAM	1	99	17.45	17.57	17.47			
20	16QAM	50	0	17.51	17.66	17.51	19.4	0	
20	16QAM	50	24	17.84	17.50	17.40			
20	16QAM	50	50	17.47	17.53	17.52			
20	16QAM	100	0	17.48	17.48	17.44	19.4	0	
20	84QAM	1	0	17.48	17.49	17.42			
20	84QAM	1	49	17.50	17.57	17.50	19.4	0	
20	84QAM	1	99	17.46	17.56	17.46			
20	84QAM	50	0	17.53	17.51	17.52			
20	84QAM	50	24	17.45	17.58	17.48	19.4	0	
20	84QAM	50	50	17.49	17.58	17.49			
20	84QAM	100	0	17.47	17.52	17.48	19.4	0	
20	256QAM	1	0	17.71	17.76	17.80			
20	256QAM	1	49	17.48	17.55	17.47	19	0.4	
20	256QAM	1	99	17.71	17.66	17.67			
20	256QAM	50	0	17.81	17.68	17.65	19	0.4	
20	256QAM	50	24	17.81	17.68	17.65			
20	256QAM	50	50	17.86	17.82	17.79			
20	256QAM	100	0	17.74	17.74	17.74	19	0.4	
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.64	17.72	17.63	19.4	0	
15	QPSK	1	37	17.66	17.63	17.65			
15	QPSK	1	74	17.41	17.56	17.54			
15	QPSK	36	0	17.60	17.74	17.63	19.4	0	
15	QPSK	36	24	17.54	17.65	17.60			
15	QPSK	36	39	17.61	17.67	17.65			
15	16QAM	75	0	17.59	17.63	17.61	19.4	0	
15	16QAM	75	0	17.40	17.46	17.43			
15	16QAM	36	0	17.45	17.63	17.51	19.4	0	
15	16QAM	36	20	17.63	17.52	17.49			
15	16QAM	36	20	17.61	17.58	17.58			
15	16QAM	75	0	17.58	17.58	17.54	19.4	0	
15	84QAM	1	0	17.49	17.59	17.45			
15	84QAM	1	37	17.56	17.62	17.59	19.4	0	
15	84QAM	1	74	17.46	17.63	17.55			
15	84QAM	36	0	17.48	17.57	17.50	19.4	0	
15	84QAM	36	20	17.56	17.66	17.60			
15	84QAM	36	39	17.57	17.67	17.55			
15	84QAM	75	0	17.50	17.44	17.53	19.4	0	
15	256QAM	1	0	17.59	17.62	17.67			
15	256QAM	1	37	17.63	17.74	17.60	19	0.4	
15	256QAM	1	74	17.56	17.62	17.52			
15	256QAM	36	0	17.66	17.63	17.63	19	0.4	
15	256QAM	36	20	17.66	17.53	17.59			
15	256QAM	36	39	17.82	17.73	17.79			
15	256QAM	75	0	17.58	17.66	17.62	19	0.4	
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.68	17.68	17.68	19.4	0	
10	QPSK	1	26	17.61	17.53	17.65			
10	QPSK	1	49	17.43	17.46	17.49			
10	QPSK	25	0	17.58	17.58	17.58	19.4	0	
10	QPSK	25	12	17.58	17.58	17.69			
10	QPSK	25	26	17.62	17.72	17.61			
10	16QAM	1	0	17.40	17.46	17.43	19.4	0	
10	16QAM	1	0	17.53	17.66	17.54			
10	16QAM	1	49	17.47	17.47	17.50			
10	16QAM	25	0	17.50	17.57	17.50	19.4	0	
10	16QAM	25	12	17.68	17.47	17.44			
10	16QAM	25	26	17.60	17.65	17.61			
10	16QAM	50	0	17.53	17.61	17.49	19.4	0	
10	84QAM	1	0	17.54	17.62	17.49			
10	84QAM	1	26	17.56	17.62	17.60	19.4	0	
10	84QAM	1	49	17.45	17.72	17.55			
10	84QAM	25	0	17.49	17.56	17.45			
10	84QAM	25	12	17.57	17.66	17.58			
10	84QAM	25	26	17.57	17.66	17.58			
10	84QAM	50	0	17.50	17.46	17.48	19.4	0	
10	256QAM	1	0	17.56	17.66	17.67			
10	256QAM	1	26	17.63	17.47	17.56	19	0.4	
10	256QAM	1	49	17.66	17.55	17.56			
10	256QAM	25	0	17.59	17.63	17.63	19	0.4	
10	256QAM	25	12	17.69	17.55	17.60			
10	256QAM	25	26	17.60	17.70	17.72			
10	256QAM	50	0	17.54	17.63	17.73			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.62	17.62	17.62	19.4	0	
5	QPSK	1	12	17.66	17.59	17			



Band 38 Ant0 PC3 DSI6 Standalone											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.99	23.04	22.95	23.5	0			
20	QPSK	1	49	22.92	22.97	22.93					
20	QPSK	1	99	22.85	22.89	22.88					
20	QPSK	50	0	22.99	23.04	22.95	23	0.5			
20	QPSK	50	24	22.91	21.95	21.94					
20	QPSK	50	50	22.07	22.06	21.97					
20	QPSK	100	0	21.83	21.88	21.76	23	0.5			
20	16QAM	1	0	22.14	22.11	22.13					
20	16QAM	1	49	22.18	22.03	22.13					
20	16QAM	1	99	21.95	21.95	22.00	22	1.5			
20	16QAM	50	0	20.91	20.95	21.09					
20	16QAM	50	24	21.76	21.84	21.83					
20	16QAM	50	50	21.10	21.01	20.97	22	1.5			
20	16QAM	100	0	20.83	20.85	20.85					
20	16QAM	100	0	20.89	20.81	20.88					
20	16QAM	1	0	20.90	20.89	20.88	22	1.5			
20	64QAM	1	99	21.09	20.95	21.09					
20	64QAM	50	0	20.09	19.98	20.03					
20	64QAM	50	24	20.19	20.07	20.07	21	2.5			
20	64QAM	50	50	20.16	21.04	21.03					
20	64QAM	100	0	20.02	19.93	20.01					
20	256QAM	1	0	18.11	17.98	18.00	19	4.5			
20	256QAM	1	49	18.04	18.03	18.09					
20	256QAM	1	99	17.96	17.84	17.89					
20	256QAM	50	0	17.78	17.83	17.83	19	4.5			
20	256QAM	50	24	17.88	17.87	17.99					
20	256QAM	50	50	18.07	17.94	18.09					
20	256QAM	100	0	18.02	17.91	17.95	20	2.5			
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.92	22.90	22.87	23.5	0			
15	QPSK	1	37	22.80	22.90	22.81					
15	QPSK	1	74	22.80	22.83	22.83					
15	QPSK	36	0	21.86	22.03	21.94	23	0.5			
15	QPSK	36	20	21.94	21.90	21.85					
15	QPSK	36	39	21.94	22.01	21.92					
15	QPSK	15	0	22.06	22.10	22.00	23	0.5			
15	16QAM	1	0	22.06	22.07	22.11					
15	16QAM	1	37	22.07	21.92	22.09					
15	16QAM	1	74	21.80	21.81	21.84	22	1.5			
15	16QAM	36	0	20.99	20.99	20.98					
15	16QAM	36	20	21.08	20.90	20.99					
15	16QAM	36	39	21.04	20.89	20.93	22	1.5			
15	16QAM	75	0	20.74	20.74	20.83					
15	64QAM	1	0	20.09	20.04	20.04					
15	64QAM	1	37	20.91	20.84	20.85	22	1.5			
15	64QAM	1	74	21.01	20.80	20.84					
15	64QAM	36	0	19.99	19.84	19.88					
15	64QAM	36	20	20.08	20.04	20.05	21	2.5			
15	64QAM	36	39	20.11	20.05	19.98					
15	64QAM	75	0	19.90	19.90	19.87					
15	256QAM	1	0	18.01	17.92	17.91	19	4.5			
15	256QAM	1	37	17.98	17.82	17.82					
15	256QAM	1	74	17.88	17.80	17.81					
15	256QAM	36	0	17.72	17.84	17.87	19	4.5			
15	256QAM	36	20	17.78	17.76	17.87					
15	256QAM	36	39	18.02	17.91	17.95					
15	256QAM	75	0	17.91	17.77	17.84	20	2.5			
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.85	22.96	22.85	23.5	0			
10	QPSK	1	25	22.84	22.96	22.85					
10	QPSK	1	49	22.73	22.79	22.75					
10	QPSK	25	0	21.92	21.99	21.93	23	0.5			
10	QPSK	25	12	21.93	21.82	21.84					
10	QPSK	25	25	21.93	21.85	21.85					
10	QPSK	50	0	21.71	21.84	21.85	23	0.5			
10	16QAM	1	0	22.07	22.06	22.11					
10	16QAM	1	25	22.06	21.98	22.07					
10	16QAM	1	49	21.98	21.82	21.82	22	1.5			
10	16QAM	25	0	20.84	20.89	21.01					
10	16QAM	25	12	21.13	20.99	20.97					
10	16QAM	25	25	21.04	20.97	20.83	22	1.5			
10	16QAM	50	0	20.84	20.73	20.82					
10	64QAM	1	25	20.81	20.77	20.84					
10	64QAM	1	49	21.02	20.82	21.06	21	1			
10	64QAM	25	0	19.98	19.84	19.92					
10	64QAM	25	12	20.13	19.97	20.02					
10	64QAM	25	25	20.06	20.04	20.05	21	1			
10	64QAM	50	0	19.91	19.80	19.90					
10	256QAM	1	0	17.97	17.92	17.92					
10	256QAM	1	25	17.90	18.00	18.00	19	3			
10	256QAM	1	49	17.86	17.71	17.74					
10	256QAM	25	0	17.61	17.60	17.67					
10	256QAM	25	12	17.83	17.72	17.85	19	4.5			
10	256QAM	25	25	17.86	17.84	18.03					
10	256QAM	50	0	17.86	17.81	17.84					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.24	22.01	22.21	23.5	0			
5	QPSK	1	12	22.81	22.93	22.82					
5	QPSK	1	24	22.73	22.78	22.73					
5	QPSK	12	0	21.92	22.02	21.94	23	0.5			
5	QPSK	12	7	21.98	21.85	21.86					
5	QPSK	12	13	21.98	21.84	21.85					
5	QPSK	25	0	21.76	21.76	21.67	23	0.5			
5	16QAM	1	0	22.00	21.99	22.11					
5	16QAM	1	12	22.12	21.96	22.01					
5	16QAM	1	24	21.84	21.83	21.85	22	1.5			
5	16QAM	12	0	20.81	20.88	20.95					
5	16QAM	12	7	21.03	20.97	20.99					
5	16QAM	12	13	21.02	20.86	20.83	22	1.5			
5	16QAM	25	0	20.75	20.81	20.89					
5	64QAM	1	0	20.82	20.73	20.75					
5	64QAM	1	12	20.82	20.76	20.93	22	1.5			
5	64QAM	1	24	20.99	20.88	20.99					
5	64QAM	12	0	19.98	19.84	19.88					
5	64QAM	12	7	20.12	20.00	19.97	21	1			
5	64QAM	12	13	20.05	20.01	20.02					
5	64QAM	25	0	19.94	19.88	19.97					
5	256QAM	1	0	17.98	17.91	17.93	19	3			
5	256QAM	1	12	17.99	17.92	18.02					
5	256QAM	1	24	17.85	17.80	17.73					
5	256QAM	12	0	17.63	17.61	17.73	19	4.5			
5	256QAM	12	7	17.85	17.84	17.84					
5	256QAM	12	13	17.95	17.81	18.01					
5	256QAM	25	0	17.89	17.82	17.82	20	2.5			

Band 38 Ant0 PC3 DSI6 Simultaneous											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.37	21.50	21.40	22	0			
20	QPSK	1	49	21.38	21.35	21.32					
20	QPSK	1	99	21.27	21.26	21.37					
20	QPSK	50	0	21.34	21.26	21.33	22	0			
20	QPSK	50	24	21.35	21.40	21.34					
20	QPSK	50	50	21.34	21.26	21.36					
20	QPSK	100	0	21.34	21.43	21.36	22	0			
20	16QAM	1	0	21.36	21.34	21.31					
20	16QAM	1	49	21.38	21.35	21.33					
20	16QAM	1	99	21.36	21.29	21.40	21	0.5			
20	16QAM	50	0	20.91	20.95	21.09					
20	16QAM	50	24	21.76	21.84	21.83					
20	16QAM	50	50	21.10	21.01	20.97	22	1.5			
20	16QAM	100	0	20.83	20.85	20.85					
20	16QAM	100	0	20.89	20.81	20.88					
20	16QAM	1	0	20.90	20.89	20.88	22	1.5			
20	64QAM	1	99	21.09	20.95	21.09					
20	64QAM	50	0	20.09	19.98	20.03					
20	64QAM	50	24	20.19	20.07	20.07	21	1			
20	64QAM	50	50	20.16	21.04	21.03					
20	64QAM	100	0	20.02	19.93	20.01					
20	256QAM	1	0	18.11	17.98	18.00	19	3			
20	256QAM	1	49	18.04	18.03	18.09					
20	256QAM	1	99	17.96	17.84	17.89					
20	256QAM	50	0	17.78	17.83	17.83	19	3			
20	256QAM	50	24	17.88	17.87	17.99					
20	256QAM	50	50	18.07	17.94	18.09					
20	256QAM	100	0	18.02	17.91	17.95	20	2.5			
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.33	21.48	21.39	22	0			
15	QPSK	1	37	21.43	21.32	21.38					
15	QPSK	1	74	21.30	21.30	21.31					
15	QPSK										



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

Band 42 Ant4 DSI 6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.61	19.79	19.68	20.6	0	
20	QPSK	1	49	19.68	19.69	19.65			
20	QPSK	1	99	19.71	19.68	19.66			
20	QPSK	50	0	19.59	19.73	19.53	20.6	0	
20	QPSK	50	24	19.59	19.55	19.66			
20	QPSK	50	50	19.54	19.55	19.57			
20	QPSK	100	0	19.59	19.70	19.61	20.6	0	
20	16QAM	1	0	19.43	19.67	19.43			
20	16QAM	1	49	19.60	19.51	19.55			
20	16QAM	1	99	19.69	19.54	19.54	20.6	0	
20	16QAM	50	0	19.55	19.61	19.49			
20	16QAM	50	24	19.37	19.60	19.38			
20	16QAM	50	50	19.48	19.45	19.48	20.6	0	
20	16QAM	100	0	19.55	19.45	19.41			
20	64QAM	1	0	19.51	19.65	19.57			
20	64QAM	1	49	19.36	19.56	19.38	20.6	0	
20	64QAM	1	99	19.47	19.46	19.47			
20	64QAM	50	0	19.55	19.57	19.54			
20	64QAM	50	24	19.38	19.52	19.33	20.6	0	
20	64QAM	50	50	19.53	19.44	19.42			
20	64QAM	100	0	19.55	19.46	19.39			
20	256QAM	1	0	17.74	17.75	17.89	19	1.6	
20	256QAM	1	49	17.73	17.58	17.54			
20	256QAM	1	99	17.72	17.63	17.66			
20	256QAM	50	0	17.93	17.98	18.06	19	1.6	
20	256QAM	50	24	18.08	17.97	17.94			
20	256QAM	50							



Uplink CA Power

Ant 0 Full Power

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



Ant 0 DSI3 Standalone

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

Ant 0 DSI3 Simultaneous

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

Ant 0 DSI6 Standalone

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

Ant 0 DSI6 Simultaneous

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



Downlink CA Power

2CA DL

CA List	PCC								SCC					Power		
	LTE Band	BW Ant (MHz)	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2C	Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098	4xMIMO	22.21	22.30
CA_2A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.23	22.30
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.82	22.67
CA_2A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.26	22.30
	Band 5	Ant11	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	22.37	22.38
CA_2A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.09	22.30
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.74	22.97
CA_4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.58	22.67
	Band 5	Ant11	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4xMIMO	22.28	22.38
CA_5A-7A	Band 5	Ant11	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.33	22.38
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.88	22.97
CA_5A-41A	Band 5	Ant11	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.25	22.38
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.92	23.05
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2664.3	3193	4xMIMO	22.78	22.97
CA_7A-28A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.82	22.97
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.41	22.47
CA_7A-42A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 42	20M	3575	43340		22.80	22.97
	Band 42	Ant4	20M	3575	43340	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.89	22.91
CA_28A-41A	Band 28	Ant1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.44	22.47
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.85	22.91
CA_38C	Band 38	Ant0	15M	2595	38000	QPSK	1	0	4xMIMO	Band 38	15M	2614.8	38150	4xMIMO	22.89	23.04
CA_41A-42A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 42	20M	3575	43340		22.85	23.05
	Band 42	Ant4	20M	3575	43340	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.80	22.91
CA_42C	Band 42	Ant4	20M	3575	43340	QPSK	1	0		Band 42	15M	3594.8	43511		22.84	22.91
CA_66B	Band 66	Ant0	15M	1745	13222	QPSK	1	0	4xMIMO	Band 66	5M	2154.3	66879	4xMIMO	22.49	22.68
CA_66C	Band 66	Ant0	20M	1745	13222	QPSK	1	0	4xMIMO	Band 66	20M	2164.8	66984	4xMIMO	22.55	22.68



3CA DL

3CA List	PCC							SCC1				SCC2				Power					
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-7C	Band 2	Ant0	20M	1880	18800	QPSK	1	0	4xMMIO	Band 7	20M	2655	3100	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	22.17	22.3
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	Band 2	20M	1960	900	4xMMIO	22.83	22.97
CA_2A-7A-7A	Band 2	Ant0	20M	1880	18800	QPSK	1	0	4xMMIO	Band 7	20M	2655	3100	4xMMIO	Band 7	5M	2687.5	3425	4xMMIO	22.24	22.3
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 7	5M	2687.5	3425	4xMMIO	Band 2	20M	1960	900	4xMMIO	22.86	22.97
CA_4A-7C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMMIO	Band 7	20M	2655	3100	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	22.61	22.67
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	Band 4	20M	2132.5	2175	4xMMIO	22.94	22.97
CA_5A-7C	Band 5	Ant1	10M	836.5	26235	QPSK	1	0	4xMMIO	Band 7	20M	2655	3100	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	22.29	22.38
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 7	20M	2674.8	3298	4xMMIO	Band 5	10M	881.5	2525	4xMMIO	22.76	22.97
CA_5A-66A-66A	Band 5	Ant1	10M	836.5	26235	QPSK	1	0	4xMMIO	Band 66	20M	2145	66786	4xMMIO	Band 66	5M	2177.5	67111	4xMMIO	22.34	22.38
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMMIO	Band 66	5M	2177.5	67111	4xMMIO	Band 5	10M	881.5	2525	4xMMIO	22.57	22.69
CA_7A-66A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMMIO	Band 66	20M	2145	66786	4xMMIO	Band 66	5M	2177.5	67111	4xMMIO	22.88	22.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMMIO	Band 66	5M	2177.5	67111	4xMMIO	Band 7	20M	2655	3100	4xMMIO	22.46	22.69
CA_41A_41A_41A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMMIO	Band 41	5M	2687.5	41565	4xMMIO	Band 41	20M	2506	39750	4xMMIO	23.02	23.05



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

n7 ANTO Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	Pi/2 BPSK	1	1	23.23	23.13	23.08			
40	Pi/2 BPSK	1	108	23.21	23.22	23.11	24.0	0.0	
40	Pi/2 BPSK	1	214	23.19	23.16	23.17			
40	Pi/2 BPSK	108	0	22.63	22.60	22.57	23.5	0.5	
40	Pi/2 BPSK	108	54	23.21	23.12	23.08	24.0	0.0	
40	Pi/2 BPSK	108	108	22.66	22.66	22.69			
40	Pi/2 BPSK	216	0	22.80	22.72	22.81	23.5	0.5	
40	QPSK	1	1	23.18	23.27	23.22			
40	QPSK	1	108	23.07	23.20	23.10	24.0	0.0	
40	QPSK	1	214	23.10	23.23	23.22			
40	QPSK	108	0	22.13	22.14	22.24	23.0	1.0	
40	QPSK	108	54	23.14	23.22	23.15	24.0	0.0	
40	QPSK	108	108	22.22	22.21	22.28			
40	QPSK	216	0	22.20	22.26	22.21	23.0	1.0	
40	16QAM	1	1	22.24	22.13	22.11	23.0	1.0	
40	64QAM	1	1	20.90	20.80	20.76	21.5	2.5	
40	256QAM	1	1	18.59	18.57	18.68	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.19	23.22	23.11	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.16	23.28	23.11	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.20	23.25	23.19	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.22	23.17	23.12	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.20	23.24	23.15	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.20	23.19	23.17	24.0	0.0	

n66 ANTO Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	22.12	22.22	22.16			
40	Pi/2 BPSK	1	108	22.13	22.23	22.10	24.0	0.0	
40	Pi/2 BPSK	1	214	22.10	22.14	22.27			
40	Pi/2 BPSK	108	0	21.73	21.77	21.84	23.5	0.5	
40	Pi/2 BPSK	108	54	22.05	22.21	22.03	24.0	0.0	
40	Pi/2 BPSK	108	108	21.78	21.68	21.75			
40	Pi/2 BPSK	216	0	21.89	21.78	21.67	23.5	0.5	
40	QPSK	1	1	22.19	22.28	22.14			
40	QPSK	1	108	22.25	22.17	22.01	24.0	0.0	
40	QPSK	1	214	22.17	22.21	22.18			
40	QPSK	108	0	21.11	21.25	21.27	23.0	1.0	
40	QPSK	108	54	22.12	22.20	22.09	24.0	0.0	
40	QPSK	108	108	21.32	21.16	21.19			
40	QPSK	216	0	21.23	21.26	21.14	23.0	1.0	
40	16QAM	1	1	21.39	21.23	21.38	23.0	1.0	
40	64QAM	1	1	19.75	19.61	19.70	21.5	2.5	
40	256QAM	1	1	17.73	17.73	17.76	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.17	22.24	22.05	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.14	22.23	22.15	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.09	22.09	22.16	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.10	22.23	22.05	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.07	22.16	22.07	24.0	0.0	



n38 ANT0 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Midble Ch. / Freq.	High Ch. / Freq.		
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.97	23.10	23.00		
40	PI/2 BPSK	1	53	22.98	23.11	22.97	24.0	0.0
40	PI/2 BPSK	1	104	22.90	23.03	22.92		
40	PI/2 BPSK	50	0	22.48	22.60	22.57	23.5	0.5
40	PI/2 BPSK	50	28	22.96	23.02	22.93	24.0	0.0
40	PI/2 BPSK	50	56	22.64	22.61	22.53		
40	PI/2 BPSK	100	0	22.63	22.55	22.61	23.5	0.5
40	QPSK	1	1	23.21	23.25	23.22		
40	QPSK	1	53	23.16	23.20	23.05	24.0	0.0
40	QPSK	1	104	23.17	23.22	23.13		
40	QPSK	50	0	22.03	22.15	22.18	23.0	1.0
40	QPSK	50	28	23.01	23.12	23.02	24.0	0.0
40	QPSK	50	56	22.19	22.12	22.25		
40	QPSK	100	0	22.12	22.25	22.23	23.0	1.0
40	16QAM	1	1	22.11	22.09	22.19	23.0	1.0
40	64QAM	1	1	20.62	20.60	20.58	21.5	2.5
40	256QAM	1	1	18.46	18.48	18.53	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.14	23.20	23.09	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.19	23.20	23.11	24.0	0.0



n2 ANT1 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	PI2 BPSK	1	1	22.60	22.56	22.43		
20	PI2 BPSK	1	53	22.52	22.53	22.59	24.0	0.0
20	PI2 BPSK	1	104	22.53	22.61	22.44		
20	PI2 BPSK	50	0	22.05	21.97	21.94	23.5	0.5
20	PI2 BPSK	50	28	22.52	22.50	22.57	24.0	0.0
20	PI2 BPSK	50	58	22.03	22.03	21.99	23.5	0.5
20	PI2 BPSK	100	0	22.10	21.97	21.97		
20	QPSK	1	1	22.56	22.62	22.49		
20	QPSK	1	53	22.41	22.80	22.58	24.0	0.0
20	QPSK	1	104	22.33	22.56	22.51		
20	QPSK	50	0	21.55	22.53	21.67	23.0	1.0
20	QPSK	50	28	22.42	22.59	22.36	24.0	0.0
20	QPSK	50	58	21.62	21.59	21.57	23.0	1.0
20	QPSK	100	0	22.41	22.55	21.52		
20	16QAM	1	1	21.39	21.39	21.39	23.0	1.0
20	16QAM	1	1	20.26	20.17	20.20	21.5	2.5
20	256QAM	1	1	17.99	17.94	18.04	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1857.5	1860	1902.5		
15	QPSK	1	1	22.43	22.47	22.42	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1855	1860	1905		
10	QPSK	1	1	22.53	22.50	22.39	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1852.5	1860	1907.5		
5	QPSK	1	1	22.41	22.57	22.36	24.0	0.0

n5 ANT1 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.43	22.47	22.45		
20	PI2 BPSK	1	53	22.42	22.44	22.43	24.0	0.0
20	PI2 BPSK	1	104	22.34	22.45	22.42		
20	PI2 BPSK	50	0	22.07	22.02	22.07	23.5	0.5
20	PI2 BPSK	50	28	22.44	22.47	22.45	24.0	0.0
20	PI2 BPSK	50	58	22.00	21.96	22.02	23.5	0.5
20	PI2 BPSK	100	0	22.00	22.01	21.98		
20	QPSK	1	1	22.44	22.58	22.32		
20	QPSK	1	53	22.47	22.44	22.39	24.0	0.0
20	QPSK	1	104	22.46	22.42	22.42		
20	QPSK	50	0	21.57	21.53	21.54	23.0	1.0
20	QPSK	50	28	22.48	22.50	22.48	24.0	0.0
20	QPSK	50	58	21.69	21.68	21.65	23.0	1.0
20	QPSK	100	0	21.69	21.68	21.51		
20	16QAM	1	1	21.31	21.36	21.37	23.0	1.0
20	16QAM	1	1	20.20	20.18	20.19	21.5	2.5
20	256QAM	1	1	18.05	18.03	17.99	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.44	22.63	22.35	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.47	22.50	22.39	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.44	22.59	22.31	24.0	0.0

n66 ANT1 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.09	22.16	22.18		
40	PI2 BPSK	1	108	22.20	22.18	22.02	24.0	0.0
40	PI2 BPSK	1	214	22.08	22.07	22.05		
40	PI2 BPSK	108	0	21.58	21.73	21.70	23.5	0.5
40	PI2 BPSK	108	54	22.16	22.14	22.06	24.0	0.0
40	PI2 BPSK	108	108	21.75	21.72	21.74	23.5	0.5
40	PI2 BPSK	216	0	21.68	21.75	21.94		
40	QPSK	1	1	22.11	22.24	22.21		
40	QPSK	1	108	22.02	22.17	22.18	24.0	0.0
40	QPSK	1	214	22.14	22.07	22.06		
40	QPSK	108	0	21.38	21.27	21.46	23.0	1.0
40	QPSK	108	54	22.11	22.14	22.08	24.0	0.0
40	QPSK	108	108	21.18	21.22	21.38	23.0	1.0
40	QPSK	216	0	21.18	21.36	21.25		
40	16QAM	1	1	21.18	21.17	21.25	23.0	1.0
40	16QAM	1	1	19.71	19.71	19.72	21.5	2.5
40	256QAM	1	1	17.69	17.66	17.71	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.09	22.22	22.17	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.12	22.05	22.03	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.10	22.13	22.04	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.02	22.13	22.15	24.0	0.0
Channel				342600	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.08	22.19	22.05	24.0	0.0



Part27Q n78 ANT2 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	19.06			20.0	0.0	
100	PI/2 BPSK	1	137	19.15					
100	PI/2 BPSK	1	271	18.85					
100	PI/2 BPSK	135	0	18.76			19.5	0.5	
100	PI/2 BPSK	135	69	19.13			20.0	0.0	
100	PI/2 BPSK	135	138	18.57			19.5	0.5	
100	PI/2 BPSK	270	0	18.66					
100	QPSK	1	1	19.17			20.0	0.0	
100	QPSK	1	137	19.02					
100	QPSK	1	271	18.57					
100	QPSK	135	0	18.14			19.0	1.0	
100	QPSK	135	69	19.10			20.0	0.0	
100	QPSK	135	138	17.97			19.0	1.0	
100	QPSK	270	0	18.14					
100	16QAM	1	1	18.26			19.0	1.0	
100	64QAM	1	1	18.85			17.5	2.5	
100	256QAM	1	1	14.36			15.5	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	18.94	18.95	18.91	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	18.95	18.94	18.89	20.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	18.90	19.03	18.88	20.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	18.99	18.97	18.89	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	18.91	18.92	18.89	20.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	18.95	18.94	18.97	20.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	18.89	19.03	18.98	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	18.98	18.94	18.90	20.0	0.0	

Part27Q n78 ANT2 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	22.19			27.0	0.0	
100	PI/2 BPSK	1	137	22.13					
100	PI/2 BPSK	1	271	21.98					
100	PI/2 BPSK	135	0	21.57			26.5	0.5	
100	PI/2 BPSK	135	69	22.08			27.0	0.0	
100	PI/2 BPSK	135	138	21.46			26.5	0.5	
100	PI/2 BPSK	270	0	21.61					
100	QPSK	1	1	22.25			27.0	0.0	
100	QPSK	1	137	22.14					
100	QPSK	1	271	21.78					
100	QPSK	135	0	21.13			26.0	1.0	
100	QPSK	135	69	22.19			27.0	0.0	
100	QPSK	135	138	20.98			26.0	1.0	
100	QPSK	270	0	21.08					
100	16QAM	1	1	21.07			26.0	1.0	
100	64QAM	1	1	19.74			24.5	2.5	
100	256QAM	1	1	17.28			22.5	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	21.97	22.22	22.10	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	21.97	22.16	22.04	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	22.02	22.17	22.07	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	22.06	22.18	22.04	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	22.06	22.18	22.05	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	21.99	22.19	22.01	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	22.04	22.14	22.02	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	22.05	22.22	22.01	23.0	0.0	



Part27Q n78 PC3 ANT4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	22.28			24.0	0.0	
100	PI/2 BPSK	1	137	22.32					
100	PI/2 BPSK	1	271	22.40					
100	PI/2 BPSK	135	0	21.86			23.5	0.5	
100	PI/2 BPSK	135	69	22.34			24.0	0.0	
100	PI/2 BPSK	135	138	21.82			23.5	0.5	
100	PI/2 BPSK	270	0	21.91					
100	QPSK	1	1	22.42			24.0	0.0	
100	QPSK	1	137	22.40					
100	QPSK	1	271	22.39					
100	QPSK	135	0	21.31			23.0	1.0	
100	QPSK	135	69	22.39			24.0	0.0	
100	QPSK	135	138	21.30			23.0	1.0	
100	QPSK	270	0	21.39					
100	16QAM	1	1	21.40			23.0	1.0	
100	64QAM	1	1	19.86			21.5	2.5	
100	256QAM	1	1	17.93			19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0	
90	QPSK	1	1	22.16	22.18	22.22	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	1	22.23	22.21	22.21	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	24.0	0.0	
70	QPSK	1	1	22.17	22.20	22.23	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	1	22.24	22.10	22.24	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0	
50	QPSK	1	1	22.18	22.16	22.16	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	1	22.26	22.10	22.15	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0	
30	QPSK	1	1	22.23	22.19	22.19	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	1	22.18	22.12	22.23	24.0	0.0	

Part27Q n78 PC2 ANT4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	25.59			27.0	0.0	
100	PI/2 BPSK	1	137	25.74					
100	PI/2 BPSK	1	271	25.71					
100	PI/2 BPSK	135	0	25.10			26.5	0.5	
100	PI/2 BPSK	135	69	25.72			27.0	0.0	
100	PI/2 BPSK	135	138	25.21			26.5	0.5	
100	PI/2 BPSK	270	0	25.18					
100	QPSK	1	1	25.81			27.0	0.0	
100	QPSK	1	137	25.75					
100	QPSK	1	271	25.83					
100	QPSK	135	0	24.66			26.0	1.0	
100	QPSK	135	69	25.66			27.0	0.0	
100	QPSK	135	138	24.80			26.0	1.0	
100	QPSK	270	0	24.62					
100	16QAM	1	1	24.64			26.0	1.0	
100	64QAM	1	1	23.19			24.5	2.5	
100	256QAM	1	1	20.87			22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	27.0	0.0	
90	QPSK	1	1	25.72	25.66	25.58	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	27.0	0.0	
80	QPSK	1	1	25.75	25.71	25.63	27.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	27.0	0.0	
70	QPSK	1	1	25.75	25.75	25.82	27.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	27.0	0.0	
60	QPSK	1	1	25.66	25.63	25.62	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	27.0	0.0	
50	QPSK	1	1	25.74	25.66	25.57	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	1	25.75	25.66	25.61	27.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	27.0	0.0	
30	QPSK	1	1	25.76	25.64	25.65	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	25.74	25.65	25.64	27.0	0.0	



Part27Q n78 ANT7 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	19.72			21.0	0.0	
100	PI/2 BPSK	1	137	19.71					
100	PI/2 BPSK	1	271	19.67					
100	PI/2 BPSK	135	0	19.20			20.5	0.5	
100	PI/2 BPSK	135	69	19.72			21.0	0.0	
100	PI/2 BPSK	135	138	19.17			20.5	0.5	
100	PI/2 BPSK	270	0	19.27					
100	QPSK	1	1	19.75			21.0	0.0	
100	QPSK	1	137	19.74					
100	QPSK	1	271	19.69					
100	QPSK	135	0	18.73			20.0	1.0	
100	QPSK	135	69	19.74			21.0	0.0	
100	QPSK	135	138	18.66			20.0	1.0	
100	QPSK	270	0	18.73					
100	16QAM	1	1	18.82			20.0	1.0	
100	64QAM	1	1	17.39			18.5	2.5	
100	256QAM	1	1	15.16			16.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	21.0	0.0	
90	QPSK	1	1	19.65	19.58	19.72	21.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	21.0	0.0	
80	QPSK	1	1	19.53	19.63	19.60	21.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	21.0	0.0	
70	QPSK	1	1	19.68	19.59	19.61	21.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	21.0	0.0	
60	QPSK	1	1	19.52	19.55	19.56	21.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	QPSK	1	1	19.53	19.74	19.53	21.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	21.0	0.0	
40	QPSK	1	1	19.52	19.54	19.64	21.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	21.0	0.0	
30	QPSK	1	1	19.59	19.71	19.61	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	21.0	0.0	
20	QPSK	1	1	19.57	19.68	19.46	21.0	0.0	

Part27Q n78 ANT7 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	22.88			27.0	0.0	
100	PI/2 BPSK	1	137	22.67					
100	PI/2 BPSK	1	271	22.58					
100	PI/2 BPSK	135	0	22.13			26.5	0.5	
100	PI/2 BPSK	135	69	22.53			27.0	0.0	
100	PI/2 BPSK	135	138	22.13			26.5	0.5	
100	PI/2 BPSK	270	0	22.23					
100	QPSK	1	1	22.75			27.0	0.0	
100	QPSK	1	137	22.64					
100	QPSK	1	271	22.81					
100	QPSK	135	0	21.69			26.0	1.0	
100	QPSK	135	69	22.57			27.0	0.0	
100	QPSK	135	138	21.62			26.0	1.0	
100	QPSK	270	0	21.73					
100	16QAM	1	1	21.69			26.0	1.0	
100	64QAM	1	1	20.30			24.5	2.5	
100	256QAM	1	1	17.89			22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0	
90	QPSK	1	1	22.66	22.62	22.64	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	1	22.69	22.65	22.63	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	24.0	0.0	
70	QPSK	1	1	22.64	22.69	22.64	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	1	22.59	22.67	22.59	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0	
50	QPSK	1	1	22.69	22.71	22.67	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	1	22.63	22.69	22.67	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0	
30	QPSK	1	1	22.66	22.69	22.64	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	1	22.59	22.65	22.51	24.0	0.0	



Part27Q n78 ANT8 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	21.69	21.62	21.69	23.0	0.0	
100	PI/2 BPSK	1	137	21.62	21.62	21.62			
100	PI/2 BPSK	1	271	21.69	21.69	21.69			
100	PI/2 BPSK	135	0	21.28	21.28	21.28	22.5	0.5	
100	PI/2 BPSK	135	69	21.58	21.58	21.58	23.0	0.0	
100	PI/2 BPSK	135	138	21.04	21.04	21.04	22.5	0.5	
100	PI/2 BPSK	270	0	21.07	21.07	21.07			
100	QPSK	1	1	21.72	21.72	21.72	23.0	0.0	
100	QPSK	1	137	21.67	21.67	21.67			
100	QPSK	1	271	21.64	21.64	21.64			
100	QPSK	135	0	20.76	20.76	20.76	22.0	1.0	
100	QPSK	135	69	21.71	21.71	21.71	23.0	0.0	
100	QPSK	135	138	20.62	20.62	20.62	22.0	1.0	
100	QPSK	270	0	20.63	20.63	20.63			
100	16QAM	1	1	20.74	20.74	20.74	22.0	1.0	
100	64QAM	1	1	19.29	19.29	19.29	20.5	2.5	
100	256QAM	1	1	16.83	16.83	16.83	18.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0	
90	QPSK	1	1	21.59	21.69	21.67	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	23.0	0.0	
80	QPSK	1	1	21.64	21.68	21.62	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	23.0	0.0	
70	QPSK	1	1	21.61	21.68	21.61	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	23.0	0.0	
60	QPSK	1	1	21.55	21.62	21.59	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.0	0.0	
50	QPSK	1	1	21.58	21.61	21.55	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0	
40	QPSK	1	1	21.59	21.62	21.61	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	23.0	0.0	
30	QPSK	1	1	21.56	21.59	21.57	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1	21.55	21.54	21.45	23.0	0.0	

Part27Q n78 ANT8 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	24.70	24.75	24.70	27.0	0.0	
100	PI/2 BPSK	1	137	24.75	24.75	24.75			
100	PI/2 BPSK	1	271	24.81	24.81	24.81			
100	PI/2 BPSK	135	0	24.29	24.29	24.29	26.5	0.5	
100	PI/2 BPSK	135	69	24.77	24.77	24.77	27.0	0.0	
100	PI/2 BPSK	135	138	24.20	24.20	24.20	26.5	0.5	
100	PI/2 BPSK	270	0	24.15	24.15	24.15			
100	QPSK	1	1	24.88	24.88	24.88	27.0	0.0	
100	QPSK	1	137	24.64	24.64	24.64			
100	QPSK	1	271	24.61	24.61	24.61			
100	QPSK	135	0	23.77	23.77	23.77	26.0	1.0	
100	QPSK	135	69	24.68	24.68	24.68	27.0	0.0	
100	QPSK	135	138	23.66	23.66	23.66	26.0	1.0	
100	QPSK	270	0	23.74	23.74	23.74			
100	16QAM	1	1	23.74	23.74	23.74	26.0	1.0	
100	64QAM	1	1	22.35	22.35	22.35	24.5	2.5	
100	256QAM	1	1	20.36	20.36	20.36	22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	26.0	0.0	
90	QPSK	1	1	24.74	24.77	24.79	26.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	26.0	0.0	
80	QPSK	1	1	24.78	24.80	24.70	26.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	26.0	0.0	
70	QPSK	1	1	24.70	24.81	24.70	26.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	26.0	0.0	
60	QPSK	1	1	24.78	24.80	24.79	26.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	26.0	0.0	
50	QPSK	1	1	24.75	24.76	24.72	26.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	26.0	0.0	
40	QPSK	1	1	24.71	24.78	24.75	26.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	26.0	0.0	
30	QPSK	1	1	24.79	24.80	24.77	26.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	26.0	0.0	
20	QPSK	1	1	24.73	24.78	24.65	26.0	0.0	



Reduced Power Mode for 5G NR

n7 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	Pi/2 BPSK	1	1	23.23	23.13	23.08			
40	Pi/2 BPSK	1	108	23.21	23.22	23.11	24.0	0.0	
40	Pi/2 BPSK	1	214	23.19	23.16	23.17			
40	Pi/2 BPSK	108	0	22.63	22.60	22.57	23.5	0.5	
40	Pi/2 BPSK	108	54	23.21	23.12	23.08	24.0	0.0	
40	Pi/2 BPSK	108	108	22.66	22.66	22.69			
40	Pi/2 BPSK	216	0	22.80	22.72	22.81	23.5	0.5	
40	QPSK	1	1	23.18	23.27	23.22			
40	QPSK	1	108	23.07	23.20	23.10	24.0	0.0	
40	QPSK	1	214	23.10	23.23	23.22			
40	QPSK	108	0	22.13	22.14	22.24	23.0	1.0	
40	QPSK	108	54	23.14	23.22	23.15	24.0	0.0	
40	QPSK	108	108	22.22	22.21	22.28			
40	QPSK	216	0	22.20	22.26	22.21	23.0	1.0	
40	16QAM	1	1	22.24	22.13	22.11	23.0	1.0	
40	64QAM	1	1	20.90	20.80	20.76	21.5	2.5	
40	256QAM	1	1	18.59	18.57	18.68	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.19	23.22	23.11	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.16	23.28	23.11	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.20	23.25	23.19	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.22	23.17	23.12	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.20	23.24	23.15	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.20	23.19	23.17	24.0	0.0	

n66 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	22.12	22.22	22.16			
40	Pi/2 BPSK	1	108	22.13	22.23	22.10	24.0	0.0	
40	Pi/2 BPSK	1	214	22.10	22.14	22.27			
40	Pi/2 BPSK	108	0	21.73	21.77	21.84	23.5	0.5	
40	Pi/2 BPSK	108	54	22.05	22.21	22.03	24.0	0.0	
40	Pi/2 BPSK	108	108	21.78	21.68	21.75			
40	Pi/2 BPSK	216	0	21.89	21.78	21.67	23.5	0.5	
40	QPSK	1	1	22.19	22.28	22.14			
40	QPSK	1	108	22.25	22.17	22.01	24.0	0.0	
40	QPSK	1	214	22.17	22.21	22.18			
40	QPSK	108	0	21.11	21.25	21.27	23.0	1.0	
40	QPSK	108	54	22.12	22.20	22.09	24.0	0.0	
40	QPSK	108	108	21.32	21.16	21.19			
40	QPSK	216	0	21.23	21.26	21.14	23.0	1.0	
40	16QAM	1	1	21.39	21.23	21.38	23.0	1.0	
40	64QAM	1	1	19.75	19.61	19.70	21.5	2.5	
40	256QAM	1	1	17.73	17.73	17.76	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.17	22.24	22.05	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.14	22.23	22.15	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.09	22.09	22.16	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.10	22.23	22.05	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.07	22.16	22.07	24.0	0.0	



n38 Ant0 DSI2 Standalone&Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	Pi/2 BPSK	1	1	22.97	23.10	23.00		
40	Pi/2 BPSK	1	53	22.98	23.11	22.97	24.0	0.0
40	Pi/2 BPSK	1	104	22.90	23.03	22.92		
40	Pi/2 BPSK	50	0	22.48	22.60	22.57	23.5	0.5
40	Pi/2 BPSK	50	28	22.96	23.02	22.93	24.0	0.0
40	Pi/2 BPSK	50	56	22.64	22.61	22.53		
40	Pi/2 BPSK	100	0	22.63	22.55	22.61	23.5	0.5
40	QPSK	1	1	23.21	23.25	23.22		
40	QPSK	1	53	23.16	23.20	23.05	24.0	0.0
40	QPSK	1	104	23.17	23.22	23.13		
40	QPSK	50	0	22.03	22.15	22.18	23.0	1.0
40	QPSK	50	28	23.01	23.12	23.02	24.0	0.0
40	QPSK	50	56	22.19	22.12	22.25		
40	QPSK	100	0	22.12	22.25	22.23	23.0	1.0
40	16QAM	1	1	22.11	22.09	22.19	23.0	1.0
40	64QAM	1	1	20.62	20.60	20.58	21.5	2.5
40	256QAM	1	1	18.46	18.48	18.53	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.14	23.20	23.09	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.19	23.20	23.11	24.0	0.0



n2 Ant1 DSI2 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				1860	1880	1900				
20	PI2 BPSK	1	1	17.67	17.75	17.75				
20	PI2 BPSK	1	53	17.67	17.79	17.76	19.1	0.0		
20	PI2 BPSK	1	104	17.58	17.71	17.80				
20	PI2 BPSK	50	0	17.80	17.68	17.66	19.1	0.0		
20	PI2 BPSK	50	28	17.67	17.86	17.70	19.1	0.0		
20	PI2 BPSK	50	56	17.75	17.68	17.59	19.1	0.0		
20	PI2 BPSK	100	0	17.88	17.73	17.72				
20	QPSK	1	1	17.92	17.97	17.84				
20	QPSK	1	53	17.61	17.76	17.89	19.1	0.0		
20	QPSK	1	104	17.68	17.76	17.88				
20	QPSK	50	0	17.83	17.73	17.69	19.1	0.0		
20	QPSK	50	28	17.78	17.89	17.71	19.1	0.0		
20	QPSK	50	56	17.94	17.76	17.86	19.1	0.0		
20	QPSK	100	0	17.76	17.96	17.73				
20	16QAM	1	1	17.73	17.70	17.67	19.1	0.0		
20	64QAM	1	1	17.77	17.78	17.72	19.1	0.0		
20	256QAM	1	1	17.63	17.60	17.63	19.1	0.0		
Channel										
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	17.78	17.82	17.70	19.1	0.0		
Channel										
Frequency (MHz)				371000	376000	381000				
10	QPSK	1	1	17.71	17.93	17.72	19.1	0.0		
Channel										
Frequency (MHz)				370600	376000	381500				
5	QPSK	1	1	17.70	17.88	17.90	19.1	0.0		

n2 Ant1 DSI2 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				1860	1880	1900				
20	PI2 BPSK	1	1	16.34	16.29	16.35				
20	PI2 BPSK	1	53	16.28	16.39	16.39	17.8	0.0		
20	PI2 BPSK	1	104	16.22	16.29	16.36				
20	PI2 BPSK	50	0	16.32	16.32	16.22	17.8	0.0		
20	PI2 BPSK	50	28	16.36	16.44	16.22	17.8	0.0		
20	PI2 BPSK	50	56	16.34	16.32	16.23	17.8	0.0		
20	PI2 BPSK	100	0	16.42	16.34	16.20				
20	QPSK	1	1	16.50	16.60	16.40				
20	QPSK	1	53	16.29	16.40	16.44	17.8	0.0		
20	QPSK	1	104	16.19	16.40	16.50				
20	QPSK	50	0	16.40	16.28	16.27	17.8	0.0		
20	QPSK	50	28	16.45	16.48	16.30	17.8	0.0		
20	QPSK	50	56	16.43	16.40	16.31	17.8	0.0		
20	QPSK	100	0	16.33	16.43	16.26				
20	16QAM	1	1	16.28	16.33	16.21	17.8	0.0		
20	64QAM	1	1	16.37	16.37	16.40	17.8	0.0		
20	256QAM	1	1	16.50	16.47	16.39	17.8	0.0		
Channel										
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	16.46	16.45	16.31	17.8	0.0		
Channel										
Frequency (MHz)				371000	376000	381000				
10	QPSK	1	1	16.45	16.51	16.28	17.8	0.0		
Channel										
Frequency (MHz)				370600	376000	381500				
5	QPSK	1	1	16.38	16.47	16.25	17.8	0.0		

n5 Ant1 DSI2 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				16680	167300	167800				
20	PI2 BPSK	1	1	21.56	21.51	21.58				
20	PI2 BPSK	1	53	21.56	21.65	21.65	22.8	0.0		
20	PI2 BPSK	1	104	21.48	21.49	21.66				
20	PI2 BPSK	50	0	21.62	21.57	21.54	22.8	0.0		
20	PI2 BPSK	50	28	21.53	21.69	21.59	22.8	0.0		
20	PI2 BPSK	50	56	21.59	21.53	21.39	22.8	0.0		
20	PI2 BPSK	100	0	21.64	21.60	21.48				
20	QPSK	1	1	21.70	21.82	21.61				
20	QPSK	1	53	21.56	21.53	21.71	22.8	0.0		
20	QPSK	1	104	21.45	21.58	21.73				
20	QPSK	50	0	21.58	21.62	21.47	22.8	0.0		
20	QPSK	50	28	21.58	21.75	21.51	22.8	0.0		
20	QPSK	50	56	21.58	21.58	21.52	22.8	0.0		
20	QPSK	100	0	21.60	21.67	21.53				
20	16QAM	1	1	21.53	21.61	21.58	22.8	0.0		
20	64QAM	1	1	20.40	20.58	20.39	21.5	1.3		
20	256QAM	1	1	18.06	18.03	17.99	19.5	3.3		
Channel										
Frequency (MHz)				166300	167300	168300				
15	QPSK	1	1	21.63	21.69	21.45	22.8	0.0		
Channel										
Frequency (MHz)				165800	167300	168800				
10	QPSK	1	1	21.64	21.65	21.50	22.8	0.0		
Channel										
Frequency (MHz)				166300	167300	168300				
5	QPSK	1	1	21.61	21.60	21.56	22.8	0.0		



n5 Ant1 DSI2 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	838		
20	PI2 BPSK	1	1	20.10	20.17	20.16		
20	PI2 BPSK	1	83	20.11	20.23	20.19	21.5	0.0
20	PI2 BPSK	1	104	20.03	20.12	20.28		
20	PI2 BPSK	50	0	20.16	20.17	20.08	21.5	0.0
20	PI2 BPSK	50	28	20.08	20.31	20.03	21.5	0.0
20	PI2 BPSK	50	56	20.25	20.15	20.01	21.5	0.0
20	PI2 BPSK	100	0	20.29	20.19	20.05		
20	QPSK	1	1	20.35	20.38	20.26		
20	QPSK	1	83	20.11	20.19	20.36	21.5	0.0
20	QPSK	1	104	20.01	20.15	20.31		
20	QPSK	50	0	20.20	20.19	20.09	21.5	0.0
20	QPSK	50	28	20.23	20.28	20.15	21.5	0.0
20	QPSK	50	56	20.21	20.16	20.15	21.5	0.0
20	QPSK	100	0	20.20	20.20	20.15		
20	16QAM	1	1	20.16	20.18	20.12	21.5	0.0
20	64QAM	1	1	19.70	19.81	19.79	21.5	0.0
20	256QAM	1	1	18.05	18.05	17.89	18.5	2.0
Channel				167300	167300	167300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.20	20.33	20.17	21.5	0.0
Channel				167800	167300	166800		
Frequency (MHz)				839	838.5	844		
10	QPSK	1	1	20.22	20.29	20.22	21.5	0.0
Channel				166300	167300	166300		
Frequency (MHz)				838.5	836.5	840.5		
5	QPSK	1	1	20.13	20.20	20.18	21.5	0.0

n66 Ant1 DSI2 Standalone

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	17.40	17.40	17.47		
40	PI2 BPSK	1	108	17.37	17.49	17.49	18.8	0.0
40	PI2 BPSK	1	214	17.31	17.43	17.49		
40	PI2 BPSK	108	0	17.45	17.42	17.38	18.8	0.0
40	PI2 BPSK	108	54	17.42	17.54	17.38	18.8	0.0
40	PI2 BPSK	108	108	17.48	17.43	17.32	18.8	0.0
40	PI2 BPSK	216	0	17.55	17.42	17.36		
40	QPSK	1	1	17.60	17.78	17.71		
40	QPSK	1	108	17.34	17.51	17.58	18.8	0.0
40	QPSK	1	214	17.34	17.45	17.57		
40	QPSK	108	0	17.48	17.44	17.39	18.8	0.0
40	QPSK	108	54	17.62	17.65	17.57	18.8	0.0
40	QPSK	108	108	17.53	17.48	17.42	18.8	0.0
40	QPSK	216	0	17.47	17.70	17.38		
40	16QAM	1	1	17.38	17.43	17.36	18.8	0.0
40	64QAM	1	1	17.48	17.51	17.45	18.8	0.0
40	256QAM	1	1	17.67	17.65	17.67	18.8	0.0
Channel				349000	349000	352000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	17.55	17.51	17.46	18.8	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1728	1745	1770		
20	QPSK	1	1	17.48	17.52	17.37	18.8	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.52	17.50	17.50	18.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.57	17.47	17.45	18.8	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.52	17.50	17.45	18.8	0.0

n66 Ant1 DSI2 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	16.28	16.28	16.38		
40	PI2 BPSK	1	108	16.30	16.37	16.38	17.5	0.0
40	PI2 BPSK	1	214	16.24	16.31	16.43		
40	PI2 BPSK	108	0	16.34	16.36	16.31	17.5	0.0
40	PI2 BPSK	108	54	16.33	16.42	16.21	17.5	0.0
40	PI2 BPSK	108	108	16.37	16.34	16.27	17.5	0.0
40	PI2 BPSK	216	0	16.48	16.34	16.32		
40	QPSK	1	1	16.51	16.55	16.40		
40	QPSK	1	108	16.26	16.44	16.48	17.5	0.0
40	QPSK	1	214	16.27	16.33	16.49		
40	QPSK	108	0	16.33	16.36	16.26	17.5	0.0
40	QPSK	108	54	16.40	16.45	16.31	17.5	0.0
40	QPSK	108	108	16.38	16.44	16.34	17.5	0.0
40	QPSK	216	0	16.37	16.40	16.27		
40	16QAM	1	1	16.29	16.34	16.20	17.5	0.0
40	64QAM	1	1	16.38	16.42	16.37	17.5	0.0
40	256QAM	1	1	16.51	16.40	16.41	17.5	0.0
Channel				349000	349000	355000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.36	16.44	16.29	17.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1728	1745	1770		
20	QPSK	1	1	16.38	16.50	16.31	17.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.40	16.51	16.35	17.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.40	16.47	16.34	17.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.47	16.39	16.27	17.5	0.0



Part27Q n78 Ant4 PC2&PC3 DSI2 Standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				633334						
				3500.01						
100	PI/2 BPSK	1	1		14.07					
100	PI/2 BPSK	1	137		14.10		15.3	0.0		
100	PI/2 BPSK	1	271		14.04					
100	PI/2 BPSK	135	0		14.05		15.3	0.0		
100	PI/2 BPSK	135	69		14.18		15.3	0.0		
100	PI/2 BPSK	135	138		13.95		15.3	0.0		
100	PI/2 BPSK	270	0		14.01					
100	QPSK	1	1		14.23					
100	QPSK	1	137		14.12		15.3	0.0		
100	QPSK	1	271		14.10					
100	QPSK	135	0		14.00		15.3	0.0		
100	QPSK	135	69		14.11		15.3	0.0		
100	QPSK	135	138		14.06					
100	QPSK	270	0		14.08		15.3	0.0		
100	16QAM	1	1		14.02		15.3	0.0		
100	64QAM	1	1		14.08		15.3	0.0		
100	256QAM	1	1		14.07		15.3	0.0		
Channel										
Frequency (MHz)										
				633000						
				3500.01						
90	QPSK	1	1		14.15	14.17	14.09	15.3	0.0	
Channel										
Frequency (MHz)										
				633334						
				3500.01						
80	QPSK	1	1		14.10	14.06	14.09	15.3	0.0	
Channel										
Frequency (MHz)										
				632334						
				3500.01						
70	QPSK	1	1		14.14	14.11	14.15	15.3	0.0	
Channel										
Frequency (MHz)										
				632000						
				3500.01						
60	QPSK	1	1		14.10	14.08	14.11	15.3	0.0	
Channel										
Frequency (MHz)										
				631668						
				3500.01						
50	QPSK	1	1		14.19	14.14	14.15	15.3	0.0	
Channel										
Frequency (MHz)										
				631334						
				3500.01						
40	QPSK	1	1		14.19	14.15	14.12	15.3	0.0	
Channel										
Frequency (MHz)										
				631000						
				3500.01						
30	QPSK	1	1		14.18	14.08	14.19	15.3	0.0	
Channel										
Frequency (MHz)										
				630668						
				3500.01						
20	QPSK	1	1		14.13	14.09	14.11	15.3	0.0	

Part27Q n78 Ant4 PC2&PC3 DSI2 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				633334						
				3500.01						
100	PI/2 BPSK	1	1		12.72					
100	PI/2 BPSK	1	137		12.74		14.0	0.0		
100	PI/2 BPSK	1	271		12.70					
100	PI/2 BPSK	135	0		12.72		14.0	0.0		
100	PI/2 BPSK	135	69		12.85		14.0	0.0		
100	PI/2 BPSK	135	138		12.60					
100	PI/2 BPSK	270	0		12.69		14.0	0.0		
100	QPSK	1	1		12.91					
100	QPSK	1	137		12.85		14.0	0.0		
100	QPSK	1	271		12.78					
100	QPSK	135	0		12.67		14.0	0.0		
100	QPSK	135	69		12.81		14.0	0.0		
100	QPSK	135	138		12.70					
100	QPSK	270	0		12.75		14.0	0.0		
100	16QAM	1	1		12.74		14.0	0.0		
100	64QAM	1	1		12.82		14.0	0.0		
100	256QAM	1	1		12.79		14.0	0.0		
Channel										
Frequency (MHz)										
				633000						
				3500.01						
90	QPSK	1	1		12.70	12.78	12.73	14.0	0.0	
Channel										
Frequency (MHz)										
				632668						
				3500.01						
80	QPSK	1	1		12.68	12.77	12.66	14.0	0.0	
Channel										
Frequency (MHz)										
				632334						
				3500.01						
70	QPSK	1	1		12.54	12.73	12.69	14.0	0.0	
Channel										
Frequency (MHz)										
				632000						
				3500.01						
60	QPSK	1	1		12.57	12.67	12.73	14.0	0.0	
Channel										
Frequency (MHz)										
				631668						
				3500.01						
50	QPSK	1	1		12.65	12.72	12.73	14.0	0.0	
Channel										
Frequency (MHz)										
				631334						
				3500.01						
40	QPSK	1	1		12.64	12.75	12.69	14.0	0.0	
Channel										
Frequency (MHz)										
				631000						
				3500.01						
30	QPSK	1	1		12.59	12.76	12.64	14.0	0.0	
Channel										
Frequency (MHz)										
				630668						
				3500.01						
20	QPSK	1	1		12.55	12.73	12.70	14.0	0.0	



Part27Q n78 Ant2 PC3 DSI2 Default Power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				63000				
				63334				
100	PI2 BPSK	1	1		19.06			
100	PI2 BPSK	1	137		19.15			0.0
100	PI2 BPSK	1	271		19.85			
100	PI2 BPSK	135	0		18.70			19.5 0.5
100	PI2 BPSK	135	69		18.13			20.0 0.0
100	PI2 BPSK	135	138		18.57			19.5 0.5
100	PI2 BPSK	270	0		18.86			
100	QPSK	1	1		19.37			
100	QPSK	1	137		19.02			20.0 0.0
100	QPSK	1	271		18.87			
100	QPSK	135	0		18.14			19.0 1.0
100	QPSK	135	69		19.10			20.0 0.0
100	QPSK	135	138		17.97			19.0 1.0
100	QPSK	270	0		18.14			
100	16QAM	1	1		18.26			19.0 1.0
100	64QAM	1	1		18.85			17.5 2.5
100	256QAM	1	1		14.30			15.5 4.5
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1		18.94	18.95	18.91	20.0 0.0
Channel								
Frequency (MHz)								
				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		18.95	18.94	18.89	20.0 0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1		18.90	19.03	18.89	20.0 0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1		18.99	18.97	18.89	20.0 0.0
Channel								
Frequency (MHz)								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1		18.91	18.92	18.89	20.0 0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1		18.95	19.94	18.97	20.0 0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1		18.89	19.03	18.98	20.0 0.0
Channel								
Frequency (MHz)								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1		18.98	18.94	18.90	20.0 0.0

Part27Q n78 Ant2 PC2&PC3 DSI2 Standalone

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				633334				
				3500.01				
100	PI2 BPSK	1	1		12.25			
100	PI2 BPSK	1	137		12.28		13.3	0.0
100	PI2 BPSK	1	271		12.25			
100	PI2 BPSK	135	0		12.28		13.3	0.0
100	PI2 BPSK	135	69		12.31		13.3	0.0
100	PI2 BPSK	135	138		12.19		13.3	0.0
100	PI2 BPSK	270	0		12.14			
100	QPSK	1	1		12.39			
100	QPSK	1	137		12.30		13.3	0.0
100	QPSK	1	271		12.34			
100	QPSK	135	0		12.25		13.3	0.0
100	QPSK	135	69		12.35		13.3	0.0
100	QPSK	135	138		12.22		13.3	0.0
100	QPSK	270	0		12.37			
100	16QAM	1	1		12.14		13.3	0.0
100	64QAM	1	1		12.29		13.3	0.0
100	256QAM	1	1		12.20		13.3	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1		12.00	12.17	12.23	13.3 0.0
Channel								
Frequency (MHz)								
				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		12.01	12.15	12.22	13.3 0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1		12.07	12.20	12.21	13.3 0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1		11.99	12.13	12.23	13.3 0.0
Channel								
Frequency (MHz)								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1		12.07	12.12	12.23	13.3 0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1		12.05	12.18	12.19	13.3 0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1		12.00	12.21	12.25	13.3 0.0
Channel								
Frequency (MHz)								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1		12.03	12.17	12.22	13.3 0.0

Part27Q n78 Ant2 PC2&PC3 DSI2 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				633334				
				3500.01				
100	PI2 BPSK	1	1		10.80			
100	PI2 BPSK	1	137		10.85		12.0	0.0
100	PI2 BPSK	1	271		10.99			
100	PI2 BPSK	135	0		10.92		12.0	0.0
100	PI2 BPSK	135	69		10.88		12.0	0.0
100	PI2 BPSK	135	138		10.83		12.0	0.0
100	PI2 BPSK	270	0		10.72			
100	QPSK	1	1		10.97			
100	QPSK	1	137		10.90		12.0	0.0
100	QPSK	1	271		10.89			
100	QPSK	135	0		10.84		12.0	0.0
100	QPSK	135	69		10.90		12.0	0.0
100	QPSK	135	138		10.77		12.0	0.0
100	QPSK	270	0		10.92			
100	16QAM	1	1		10.78		12.0	0.0
100	64QAM	1	1		10.84		12.0	0.0
100	256QAM	1	1		10.78		12.0	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1		10.58	10.74	10.81	12.0 0.0
Channel								
Frequency (MHz)								
				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		10.67	10.78	10.89	12.0 0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1		10.67	10.70	10.89	12.0 0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1		10.57	10.79	10.84	12.0 0.0
Channel								
Frequency (MHz)								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1		10.64	10.76	10.81	12.0 0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1		10.60	10.70	10.80	12.0 0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1		10.58	10.80	10.86	12.0 0.0
Channel								
Frequency (MHz)								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1		10.60	10.77	10.80	12.0 0.0



Part27Q n78 Ant7 PC3 DSI2 Default Power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.72			21.0	0.0
100	PI/2 BPSK	1	137	19.71				
100	PI/2 BPSK	1	271	19.67				
100	PI/2 BPSK	135	0	19.20			20.5	0.5
100	PI/2 BPSK	135	69	19.72			21.0	0.0
100	PI/2 BPSK	135	138	19.17			20.5	0.5
100	PI/2 BPSK	270	0	19.27				
100	QPSK	1	1	19.75			21.0	0.0
100	QPSK	1	137	19.74				
100	QPSK	1	271	19.69				
100	QPSK	135	0	18.73			20.0	1.0
100	QPSK	135	69	19.74			21.0	0.0
100	QPSK	135	138	18.66			20.0	1.0
100	QPSK	270	0	18.73				
100	16QAM	1	1	18.82			20.0	1.0
100	64QAM	1	1	17.39			18.5	2.5
100	256QAM	1	1	15.16			16.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.65	19.58	19.72	21.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.53	19.63	19.60	21.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.68	19.59	19.61	21.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.52	19.55	19.56	21.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.53	19.74	19.53	21.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.52	19.54	19.64	21.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.59	19.71	19.61	21.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.60	19.59	19.63	21.0	0.0

Part27Q n78 Ant7 PC2DSI2 Standalone&Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.88			24.0	0.0
100	PI/2 BPSK	1	137	22.67				
100	PI/2 BPSK	1	271	22.58				
100	PI/2 BPSK	135	0	22.13			23.5	0.5
100	PI/2 BPSK	135	69	22.53			24.0	0.0
100	PI/2 BPSK	135	138	22.13			23.5	0.5
100	PI/2 BPSK	270	0	22.23				
100	QPSK	1	1	22.75			24.0	0.0
100	QPSK	1	137	22.64				
100	QPSK	1	271	22.81				
100	QPSK	135	0	21.69			23.0	1.0
100	QPSK	135	69	22.57			24.0	0.0
100	QPSK	135	138	21.52			23.0	1.0
100	QPSK	270	0	21.73				
100	16QAM	1	1	21.69			23.0	1.0
100	64QAM	1	1	20.30			21.5	2.5
100	256QAM	1	1	17.89			19.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.66	22.62	22.64	24.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.69	22.65	22.63	24.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.64	22.69	22.64	24.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.59	22.67	22.59	24.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.69	22.71	22.67	24.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.63	22.69	22.67	24.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.66	22.69	22.64	24.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.69	22.74	22.66	24.0	0.0



Part27Q n78 Ant8 PC2&PC3 DS12 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	20.00	20.00	18.69	
100	PI2 BPSK	1	137	19.91	19.91	18.58	19.9
100	PI2 BPSK	1	271	19.98	19.98	18.71	19.9
100	PI2 BPSK	135	0	19.98	19.98	18.70	19.9
100	PI2 BPSK	135	69	20.02	20.02	18.66	19.9
100	PI2 BPSK	135	138	19.90	19.90	18.62	19.9
100	PI2 BPSK	270	0	19.78	19.78	18.54	19.9
100	QPSK	1	1	20.03	20.03	18.73	19.9
100	QPSK	1	137	19.92	19.92	18.65	19.9
100	QPSK	1	271	19.99	19.99	18.62	19.9
100	QPSK	135	0	19.92	19.92	18.67	19.9
100	QPSK	135	69	19.97	19.97	18.69	19.9
100	QPSK	135	138	19.93	19.93	18.64	19.9
100	QPSK	270	0	19.95	19.95	18.63	19.9
100	16QAM	1	1	19.83	19.83	18.47	19.9
100	16QAM	1	1	19.88	20.5	18.58	19.9
100	256QAM	1	1	18.83	18.83	18.41	19.9
Channel				633000			
Frequency (MHz)				3495			
90	QPSK	1	1	19.60	19.75	19.75	19.9
Channel				633556			
Frequency (MHz)				3490.02			
80	QPSK	1	1	19.71	19.72	19.83	19.9
Channel				632234			
Frequency (MHz)				3485.01			
70	QPSK	1	1	19.74	19.74	19.80	19.9
Channel				632000			
Frequency (MHz)				3480			
60	QPSK	1	1	19.70	19.79	19.79	19.9
Channel				631608			
Frequency (MHz)				3475.02			
50	QPSK	1	1	19.68	19.78	19.76	19.9
Channel				631334			
Frequency (MHz)				3470.01			
40	QPSK	1	1	19.71	19.82	19.82	19.9
Channel				631000			
Frequency (MHz)				3465			
30	QPSK	1	1	19.76	19.81	19.73	19.9
Channel				630500			
Frequency (MHz)				3460.02			
20	QPSK	1	1	19.74	19.80	19.76	19.9

Part27Q n78 Ant8 PC2&PC3 DS12 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	20.00	20.00	18.69	
100	PI2 BPSK	1	137	19.91	19.91	18.58	19.9
100	PI2 BPSK	1	271	19.98	19.98	18.71	19.9
100	PI2 BPSK	135	0	19.98	19.98	18.70	19.9
100	PI2 BPSK	135	69	20.02	20.02	18.66	19.9
100	PI2 BPSK	135	138	19.90	19.90	18.62	19.9
100	PI2 BPSK	270	0	19.78	19.78	18.54	19.9
100	QPSK	1	1	20.03	20.03	18.73	19.9
100	QPSK	1	137	19.92	19.92	18.65	19.9
100	QPSK	1	271	19.99	19.99	18.62	19.9
100	QPSK	135	0	19.92	19.92	18.67	19.9
100	QPSK	135	69	19.97	19.97	18.69	19.9
100	QPSK	135	138	19.93	19.93	18.64	19.9
100	QPSK	270	0	19.95	19.95	18.63	19.9
100	16QAM	1	1	19.83	19.83	18.47	19.9
100	16QAM	1	1	19.88	20.5	18.58	19.9
100	256QAM	1	1	18.83	18.83	18.41	19.9
Channel				633000			
Frequency (MHz)				3495			
90	QPSK	1	1	19.60	19.75	19.75	19.9
Channel				633556			
Frequency (MHz)				3490.02			
80	QPSK	1	1	19.71	19.72	19.83	19.9
Channel				632234			
Frequency (MHz)				3485.01			
70	QPSK	1	1	19.74	19.74	19.80	19.9
Channel				632000			
Frequency (MHz)				3480			
60	QPSK	1	1	19.70	19.79	19.79	19.9
Channel				631608			
Frequency (MHz)				3475.02			
50	QPSK	1	1	19.68	19.78	19.76	19.9
Channel				631334			
Frequency (MHz)				3470.01			
40	QPSK	1	1	19.71	19.82	19.82	19.9
Channel				631000			
Frequency (MHz)				3465			
30	QPSK	1	1	19.76	19.81	19.73	19.9
Channel				630500			
Frequency (MHz)				3460.02			
20	QPSK	1	1	19.74	19.80	19.76	19.9



n7 Ant0 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
				50500	50700	51000		
				2500	2535	2550		
				17.79	17.85	17.76		
40	PV2 BPSK	1	1	17.79	17.85	17.76		
40	PV2 BPSK	1	108	17.74	17.84	17.79	19.1	0.0
40	PV2 BPSK	1	214	17.65	17.84	17.79		
40	PV2 BPSK	108	0	17.72	17.81	17.72	19.1	0.0
40	PV2 BPSK	108	54	17.72	18.00	17.72	19.1	0.0
40	PV2 BPSK	108	108	17.96	17.82	17.76	19.1	0.0
40	PV2 BPSK	216	0	17.91	17.84	17.73		
40	QPSK	1	1	17.84	18.03	17.76		
40	QPSK	1	108	17.58	17.81	17.87	19.1	0.0
40	QPSK	1	214	17.66	17.78	18.01		
40	QPSK	108	0	17.79	17.88	17.72	19.1	0.0
40	QPSK	108	54	17.85	17.84	17.79	19.1	0.0
40	QPSK	108	108	17.89	17.86	17.79	19.1	0.0
40	QPSK	216	0	17.79	17.90	17.87		
40	16QAM	1	1	17.78	17.83	17.72	19.1	0.0
40	64QAM	1	1	17.80	17.72	17.91	19.1	0.0
40	256QAM	1	1	17.79	17.82	17.82	19.1	0.0
				50500	50700	51000		
				2515	2535	2555		
30	QPSK	1	1	17.70	17.87	17.68	19.1	0.0
				502500	507000	511500		
				2517.5	2535	2537.5		
25	QPSK	1	1	17.73	17.96	17.84	19.1	0.0
				502000	507000	512000		
				2510	2535	2560		
20	QPSK	1	1	17.79	17.93	17.69	19.1	0.0
				501000	507000	512500		
				2509.5	2535	2562.5		
15	QPSK	1	1	17.69	17.90	17.71	19.1	0.0
				501000	507000	513000		
				2505	2535	2565		
10	QPSK	1	1	17.74	17.89	17.71	19.1	0.0
				500500	507000	513500		
				2502.5	2535	2567.5		
5	QPSK	1	1	17.73	17.95	17.70	19.1	0.0

n7 Ant0 DSI3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
				50500	50700	51000		
				2500	2535	2550		
				14.65	14.77	14.75		
40	PV2 BPSK	1	1	14.65	14.77	14.75		
40	PV2 BPSK	1	108	14.64	14.87	14.78	18.0	0.0
40	PV2 BPSK	1	214	14.45	14.81	14.77		
40	PV2 BPSK	108	0	14.66	14.78	14.84	18.0	0.0
40	PV2 BPSK	108	54	14.66	14.89	14.83	18.0	0.0
40	PV2 BPSK	108	108	14.90	14.73	14.88	18.0	0.0
40	PV2 BPSK	216	0	14.83	14.84	14.88		
40	QPSK	1	1	14.79	14.86	14.70		
40	QPSK	1	108	14.57	14.70	14.77	18.0	0.0
40	QPSK	1	214	14.66	14.76	14.89		
40	QPSK	108	0	14.73	14.83	14.88	18.0	0.0
40	QPSK	108	54	14.75	14.90	14.79	18.0	0.0
40	QPSK	108	108	14.85	14.84	14.71	18.0	0.0
40	QPSK	216	0	14.78	14.85	14.86		
40	16QAM	1	1	14.73	14.76	14.87	18.0	0.0
40	64QAM	1	1	14.81	14.84	14.70	18.0	0.0
40	256QAM	1	1	14.77	14.73	14.79	18.0	0.0
				50500	50700	51000		
				2515	2535	2555		
30	QPSK	1	1	14.64	14.95	14.66	18.0	0.0
				502500	507000	511500		
				2517.5	2535	2537.5		
25	QPSK	1	1	14.60	14.85	14.83	18.0	0.0
				502000	507000	512000		
				2510	2535	2560		
20	QPSK	1	1	14.75	14.92	14.58	18.0	0.0
				501500	507000	512500		
				2509.5	2535	2562.5		
15	QPSK	1	1	14.64	14.91	14.84	18.0	0.0
				501000	507000	513000		
				2505	2535	2565		
10	QPSK	1	1	14.73	14.88	14.58	18.0	0.0
				500500	507000	513500		
				2502.5	2535	2567.5		
5	QPSK	1	1	14.69	14.87	14.82	18.0	0.0

n66 Ant0 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
				345000	349000	353000		
				1730	1745	1760		
				17.90	17.88	18.02		
40	PV2 BPSK	1	1	17.90	17.88	18.02		
40	PV2 BPSK	1	108	17.92	18.02	17.96	18.9	0.0
40	PV2 BPSK	1	214	17.79	17.95	17.96		
40	PV2 BPSK	108	0	18.00	17.94	17.93	18.9	0.0
40	PV2 BPSK	108	54	17.96	18.06	17.84	18.9	0.0
40	PV2 BPSK	108	108	18.02	17.94	17.84	18.9	0.0
40	PV2 BPSK	216	0	18.05	17.90	17.92		
40	QPSK	1	1	18.06	18.12	17.96		
40	QPSK	1	108	17.85	17.99	18.06	18.9	0.0
40	QPSK	1	214	17.90	17.90	18.03		
40	QPSK	108	0	17.95	18.00	17.90	18.9	0.0
40	QPSK	108	54	18.05	18.10	17.93	18.9	0.0
40	QPSK	108	108	18.04	18.01	17.92	18.9	0.0
40	QPSK	216	0	17.92	18.11	17.83		
40	16QAM	1	1	17.85	17.98	17.80	18.9	0.0
40	64QAM	1	1	18.00	17.97	17.99	18.9	0.0
40	256QAM	1	1	18.04	18.10	17.95	18.9	0.0
				345000	349000	353000		
				1725	1745	1765		
30	QPSK	1	1	17.99	18.04	17.80	18.9	0.0
				344000	349000	354000		
				1720	1745	1770		
20	QPSK	1	1	18.00	17.99	17.89	18.9	0.0
				343500	349000	354500		
				1717.5	1745	1772.5		
15	QPSK	1	1	17.93	17.97	17.82	18.9	0.0
				343000	349000	355000		
				1715	1745	1775		
10	QPSK	1	1	17.95	18.00	17.87	18.9	0.0
				342500	349000	355500		
				1712.5	1745	1777.5		
5	QPSK	1	1	17.99	18.02	17.83	18.9	0.0



n66 Ant0 DSI3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	13.88	14.01	14.12		
40	PI/2 BPSK	1	108	13.94	14.11	14.10	15.3	0.0
40	PI/2 BPSK	1	214	13.97	14.03	14.07		
40	PI/2 BPSK	108	0	14.01	13.97	13.98	15.3	0.0
40	PI/2 BPSK	108	54	14.02	14.09	13.97	15.3	0.0
40	PI/2 BPSK	108	108	14.07	14.09	13.90	15.3	0.0
40	PI/2 BPSK	216	0	14.15	13.98	13.97		
40	QPSK	1	1	14.21	14.28	14.12		
40	QPSK	1	108	13.86	14.16	14.17	15.3	0.0
40	QPSK	1	214	13.89	14.04	14.16		
40	QPSK	108	0	14.06	14.10	13.95	15.3	0.0
40	QPSK	108	54	14.17	14.27	14.25	15.3	0.0
40	QPSK	108	108	14.15	14.08	13.99	15.3	0.0
40	QPSK	216	0	14.02	14.19	13.92		
40	16QAM	1	1	14.04	14.04	13.95	15.3	0.0
40	64QAM	1	1	14.12	14.08	14.01	15.3	0.0
40	256QAM	1	1	14.16	14.15	14.12	15.3	0.0
Channel				348000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	14.08	14.22	13.97	15.3	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	14.11	14.15	14.09	15.3	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	14.13	14.13	14.03	15.3	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	14.15	14.21	14.02	15.3	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	14.05	14.16	14.01	15.3	0.0



n38 Ant0 DSI3 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.25	17.40	17.22	18.9	0.0	
40	PI/2 BPSK	1	53	17.29	17.43	17.24			
40	PI/2 BPSK	1	104	17.00	17.30	17.34			
40	PI/2 BPSK	50	0	17.24	17.26	17.20	18.9	0.0	
40	PI/2 BPSK	50	28	17.18	17.51	17.20	18.9	0.0	
40	PI/2 BPSK	50	56	17.44	17.32	17.27	18.9	0.0	
40	PI/2 BPSK	100	0	17.38	17.33	17.20			
40	QPSK	1	1	17.27	17.54	17.23			
40	QPSK	1	53	17.08	17.31	17.41	18.9	0.0	
40	QPSK	1	104	17.12	17.23	17.51			
40	QPSK	50	0	17.33	17.34	17.23	18.9	0.0	
40	QPSK	50	28	17.40	17.46	17.30	18.9	0.0	
40	QPSK	50	56	17.37	17.39	17.27	18.9	0.0	
40	QPSK	100	0	17.30	17.42	17.20	18.9	0.0	
40	16QAM	1	1	17.29	17.28	17.23	18.9	0.0	
40	64QAM	1	1	17.35	17.22	17.38	18.9	0.0	
40	256QAM	1	1	17.27	17.32	17.36	18.9	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.22	17.41	17.12	18.9	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.13	17.48	17.11	18.9	0.0	

n38 Ant0 DSI3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	14.47	14.64	14.39			
40	PI/2 BPSK	1	53	14.53	14.60	14.46			
40	PI/2 BPSK	1	104	14.14	14.51	14.51			
40	PI/2 BPSK	50	0	14.45	14.51	14.36	15.5	0.0	
40	PI/2 BPSK	50	28	14.36	14.69	14.37	15.5	0.0	
40	PI/2 BPSK	50	56	14.66	14.46	14.45			
40	PI/2 BPSK	100	0	14.56	14.50	14.46	15.5	0.0	
40	QPSK	1	1	14.91	14.92	14.87			
40	QPSK	1	53	14.28	14.46	14.54	15.5	0.0	
40	QPSK	1	104	14.37	14.41	14.73			
40	QPSK	50	0	14.47	14.56	14.43	15.5	0.0	
40	QPSK	50	28	14.63	14.66	14.46	15.5	0.0	
40	QPSK	50	56	14.52	14.64	14.54	15.5	0.0	
40	QPSK	100	0	14.50	14.59	14.35	15.5	0.0	
40	16QAM	1	1	14.48	14.43	14.38	15.5	0.0	
40	64QAM	1	1	14.53	14.41	14.58	15.5	0.0	
40	256QAM	1	1	14.48	14.46	14.54	15.5	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	14.32	14.61	14.22	15.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	14.28	14.69	14.24	15.5	0.0	



n2 Ant1 DSI3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	18.20	18.26	18.25			
20	PI2 BPSK	1	53	18.23	18.37	18.20	19.2	0.0	
20	PI2 BPSK	1	104	18.00	18.31	18.29			
20	PI2 BPSK	50	0	18.22	18.21	18.13	19.2	0.0	
20	PI2 BPSK	50	28	18.23	18.43	18.14	19.2	0.0	
20	PI2 BPSK	50	56	18.38	18.30	18.17	19.2	0.0	
20	PI2 BPSK	100	0	18.35	18.23	18.23			
20	QPSK	1	1	18.33	18.44	18.25			
20	QPSK	1	53	18.08	18.27	18.30	19.2	0.0	
20	QPSK	1	104	18.14	18.24	18.40			
20	QPSK	50	0	18.25	18.34	18.13	19.2	0.0	
20	QPSK	50	28	18.35	18.40	18.25	19.2	0.0	
20	QPSK	50	56	18.31	18.25	18.18	19.2	0.0	
20	QPSK	100	0	18.27	18.36	18.10			
20	16QAM	1	1	18.18	18.31	18.15	19.2	0.0	
20	64QAM	1	1	18.30	18.20	18.31	19.2	0.0	
20	256QAM	1	1	18.23	18.29	18.23	19.2	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	18.21	18.38	18.13	19.2	0.0	
Channel									
Frequency (MHz)				37000	376000	381000			
10	QPSK	1	1	18.27	18.30	18.16	19.2	0.0	
Channel									
Frequency (MHz)				37000	376000	381500			
5	QPSK	1	1	18.23	18.33	18.17	19.2	0.0	

n2 Ant1 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	18.91	18.99	18.91			
20	PI2 BPSK	1	53	18.98	17.11	18.92	17.9	0.0	
20	PI2 BPSK	1	104	18.85	17.02	18.96			
20	PI2 BPSK	50	0	18.92	18.85	18.79	17.9	0.0	
20	PI2 BPSK	50	28	18.99	17.07	18.79	17.9	0.0	
20	PI2 BPSK	50	56	17.11	17.01	18.82	17.9	0.0	
20	PI2 BPSK	100	0	17.03	18.87	18.95			
20	QPSK	1	1	17.07	17.16	18.94			
20	QPSK	1	53	18.73	18.92	17.00	17.9	0.0	
20	QPSK	1	104	18.88	18.91	17.10			
20	QPSK	50	0	18.90	17.02	18.78	17.9	0.0	
20	QPSK	50	28	17.01	17.09	18.93	17.9	0.0	
20	QPSK	50	56	18.99	18.93	18.86	17.9	0.0	
20	QPSK	100	0	18.91	17.04	18.92			
20	16QAM	1	1	18.89	17.03	18.81	17.9	0.0	
20	64QAM	1	1	17.01	18.84	17.03	17.9	0.0	
20	256QAM	1	1	18.03	17.01	18.88	17.9	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	17.02	17.04	18.84	17.9	0.0	
Channel									
Frequency (MHz)				37000	376000	381000			
10	QPSK	1	1	18.96	17.08	18.77	17.9	0.0	
Channel									
Frequency (MHz)				37000	376000	381500			
5	QPSK	1	1	18.98	17.01	18.79	17.9	0.0	

n5 Ant1 DSI3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				16680	167300	167800			
20	PI2 BPSK	1	1	21.98	22.10	22.03			
20	PI2 BPSK	1	53	22.04	22.06	21.90	23.5	0.0	
20	PI2 BPSK	1	104	21.97	22.02	22.01			
20	PI2 BPSK	50	0	21.91	22.03	21.97	23.5	0.0	
20	PI2 BPSK	50	28	21.95	22.09	22.00	23.5	0.0	
20	PI2 BPSK	50	56	21.99	22.08	21.93	23.5	0.0	
20	PI2 BPSK	100	0	22.02	22.09	21.96			
20	QPSK	1	1	22.09	22.15	22.13			
20	QPSK	1	53	22.00	21.96	22.03	23.5	0.0	
20	QPSK	1	104	22.00	22.00	22.01			
20	QPSK	50	0	21.43	21.58	21.59	23.0	0.5	
20	QPSK	50	28	21.94	22.06	22.04	23.5	0.0	
20	QPSK	50	56	21.43	21.50	21.56	23.0	0.5	
20	QPSK	100	0	21.48	21.57	21.51			
20	16QAM	1	1	21.44	21.52	21.56	23.0	0.5	
20	64QAM	1	1	20.06	20.21	20.16	21.5	2.0	
20	256QAM	1	1	18.06	18.16	18.19	18.5	4.0	
Channel									
Frequency (MHz)				166300	167300	168300			
15	QPSK	1	1	22.01	22.10	22.02	23.5	0.0	
Channel									
Frequency (MHz)				166800	167300	168800			
10	QPSK	1	1	22.04	22.02	22.07	23.5	0.0	
Channel									
Frequency (MHz)				166300	167300	168300			
5	QPSK	1	1	22.05	22.07	22.04	23.5	0.0	



n5 Ant1 DSI3 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	20.96	21.11	21.03		
20	PI2 BPSK	1	53	21.01	21.07	20.95	22.2	0.0
20	PI2 BPSK	1	104	21.03	21.02	21.07		
20	PI2 BPSK	50	0	20.99	21.04	20.96	22.2	0.0
20	PI2 BPSK	50	28	20.98	21.03	20.98	22.2	0.0
20	PI2 BPSK	50	56	21.02	21.07	20.95	22.2	0.0
20	PI2 BPSK	100	0	21.00	21.01	20.99		
20	QPSK	1	1	21.05	21.22	21.19		
20	QPSK	1	53	20.99	20.99	21.03	22.2	0.0
20	QPSK	1	104	21.05	21.02	20.97		
20	QPSK	50	0	21.02	21.01	20.97	22.2	0.0
20	QPSK	50	28	20.93	21.14	20.99	22.2	0.0
20	QPSK	50	56	21.05	20.99	21.02	22.2	0.0
20	QPSK	100	0	21.03	21.00	20.95		
20	16QAM	1	1	20.88	21.04	20.88	22.2	0.0
20	64QAM	1	1	20.09	20.13	20.06	21.5	0.7
20	256QAM	1	1	18.16	18.25	18.13	18.5	2.7
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.97	21.06	21.05	22.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.93	21.18	21.08	22.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	20.93	21.12	21.05	22.2	0.0

n66 Ant1 DSI3 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	16.73	16.73	16.79		
40	PI2 BPSK	1	108	16.76	16.86	16.73	17.7	0.0
40	PI2 BPSK	1	214	16.55	16.75	16.76		
40	PI2 BPSK	108	0	16.77	16.71	16.69	17.7	0.0
40	PI2 BPSK	108	54	16.70	16.89	16.58	17.7	0.0
40	PI2 BPSK	108	108	16.83	16.75	16.63	17.7	0.0
40	PI2 BPSK	216	0	16.81	16.73	16.74		
40	QPSK	1	1	16.88	16.96	16.77		
40	QPSK	1	108	16.59	16.81	16.85	17.7	0.0
40	QPSK	1	214	16.68	16.71	16.84		
40	QPSK	108	0	16.70	16.84	16.69	17.7	0.0
40	QPSK	108	54	16.87	16.50	16.71	17.7	0.0
40	QPSK	108	108	16.86	16.76	16.73	17.7	0.0
40	QPSK	216	0	16.73	16.63	16.60		
40	16QAM	1	1	16.71	16.81	16.64	17.7	0.0
40	64QAM	1	1	16.85	16.71	16.79	17.7	0.0
40	256QAM	1	1	16.76	16.84	16.70	17.7	0.0
Channel				345500	349000	350500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.63	16.91	16.63	17.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.77	16.80	16.70	17.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.77	16.85	16.63	17.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.70	16.69	16.64	17.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.82	16.83	16.65	17.7	0.0

n66 Ant1 DSI3 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	15.30	15.33	15.42		
40	PI2 BPSK	1	108	15.34	15.42	15.33	16.4	0.0
40	PI2 BPSK	1	214	15.11	15.32	15.39		
40	PI2 BPSK	108	0	15.31	15.30	15.28	16.4	0.0
40	PI2 BPSK	108	54	15.37	15.11	15.16	16.4	0.0
40	PI2 BPSK	108	108	15.48	15.30	15.29	16.4	0.0
40	PI2 BPSK	216	0	15.38	15.28	15.28		
40	QPSK	1	1	15.51	15.56	15.41		
40	QPSK	1	108	15.19	15.49	15.49	16.4	0.0
40	QPSK	1	214	15.25	15.27	15.40		
40	QPSK	108	0	15.35	15.46	15.31	16.4	0.0
40	QPSK	108	54	15.43	15.50	15.28	16.4	0.0
40	QPSK	108	108	15.42	15.36	15.34	16.4	0.0
40	QPSK	216	0	15.29	15.40	15.21		
40	16QAM	1	1	15.31	15.40	15.27	16.4	0.0
40	64QAM	1	1	15.31	15.35	15.40	16.4	0.0
40	256QAM	1	1	15.40	15.42	15.30	16.4	0.0
Channel				345500	349000	350500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.44	15.48	15.33	16.4	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.44	15.45	15.28	16.4	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.39	15.44	15.25	16.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.37	15.52	15.28	16.4	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.44	15.50	15.35	16.4	0.0



Part27Q n78 Ant4 PC2&PC3 DSI3 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	16.01			16.7	0.0	
100	PI/2 BPSK	1	137	15.90					
100	PI/2 BPSK	1	271	16.11					
100	PI/2 BPSK	135	0	15.85					
100	PI/2 BPSK	135	69	15.87					
100	PI/2 BPSK	135	138	16.11					
100	PI/2 BPSK	270	0	15.80					
100	QPSK	1	1	16.14					
100	QPSK	1	137	15.79					
100	QPSK	1	271	15.87					
100	QPSK	135	0	15.76					
100	QPSK	135	69	16.01					
100	QPSK	135	138	15.91					
100	QPSK	270	0	15.90					
100	16QAM	1	1	15.94			16.7	0.0	
100	64QAM	1	1	15.95			16.7	0.0	
100	256QAM	1	1	15.86			16.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.89	15.98	15.83	16.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	15.96	16.06	15.82	16.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	15.89	15.95	15.81	16.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	15.91	16.07	15.86	16.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.97	16.01	15.83	16.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.90	15.99	15.86	16.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.89	15.95	15.82	16.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.96	16.04	15.85	16.7	0.0	

Part27Q n78 Ant4 PC2&PC3 DSI3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	14.82			15.4	0.0	
100	PI/2 BPSK	1	137	14.75					
100	PI/2 BPSK	1	271	14.91					
100	PI/2 BPSK	135	0	14.62					
100	PI/2 BPSK	135	69	14.66					
100	PI/2 BPSK	135	138	14.91					
100	PI/2 BPSK	270	0	14.58					
100	QPSK	1	1	14.93					
100	QPSK	1	137	14.65					
100	QPSK	1	271	14.62					
100	QPSK	135	0	14.66					
100	QPSK	135	69	14.79					
100	QPSK	135	138	14.77					
100	QPSK	270	0	14.75					
100	16QAM	1	1	14.67			15.4	0.0	
100	64QAM	1	1	14.88			15.4	0.0	
100	256QAM	1	1	14.72			15.4	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	14.61	14.71	14.59	15.4	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	14.57	14.76	14.51	15.4	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	14.59	14.68	14.50	15.4	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	14.61	14.78	14.62	15.4	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	14.67	14.74	14.51	15.4	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	14.66	14.67	14.55	15.4	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	14.59	14.72	14.62	15.4	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	14.64	14.69	14.62	15.4	0.0	



Part27Q n78 Ant2 PC2&PC3 DSI3 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	15.40			16.4	0.0	
100	PI/2 BPSK	1	137	15.27					
100	PI/2 BPSK	1	271	15.25					
100	PI/2 BPSK	135	0	15.43			16.4	0.0	
100	PI/2 BPSK	135	69	15.15			16.4	0.0	
100	PI/2 BPSK	135	138	15.14			16.4	0.0	
100	PI/2 BPSK	270	0	15.33					
100	QPSK	1	1	15.54			16.4	0.0	
100	QPSK	1	137	15.29					
100	QPSK	1	271	15.27					
100	QPSK	135	0	15.16			16.4	0.0	
100	QPSK	135	69	15.31			16.4	0.0	
100	QPSK	135	138	15.25			16.4	0.0	
100	QPSK	270	0	15.30					
100	16QAM	1	1	15.28			16.4	0.0	
100	64QAM	1	1	15.16			16.4	0.0	
100	256QAM	1	1	15.23			16.4	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	15.23	15.42	15.14	16.4	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	15.27	15.44	15.18	16.4	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	15.32	15.39	15.22	16.4	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	15.27	15.48	15.15	16.4	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	15.30	15.46	15.14	16.4	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	15.23	15.39	15.22	16.4	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	15.30	15.47	15.19	16.4	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	15.22	15.40	15.13	16.4	0.0	

Part27Q n78 Ant2 PC2&PC3 DSI3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	14.06			15.1	0.0	
100	PI/2 BPSK	1	137	13.88					
100	PI/2 BPSK	1	271	13.88					
100	PI/2 BPSK	135	0	14.02			15.1	0.0	
100	PI/2 BPSK	135	69	13.71			15.1	0.0	
100	PI/2 BPSK	135	138	13.75			15.1	0.0	
100	PI/2 BPSK	270	0	13.93					
100	QPSK	1	1	14.15			15.1	0.0	
100	QPSK	1	137	13.91					
100	QPSK	1	271	13.87					
100	QPSK	135	0	13.78			15.1	0.0	
100	QPSK	135	69	14.06			15.1	0.0	
100	QPSK	135	138	13.85			15.1	0.0	
100	QPSK	270	0	13.95					
100	16QAM	1	1	13.83			15.1	0.0	
100	64QAM	1	1	13.79			15.1	0.0	
100	256QAM	1	1	13.77			15.1	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	13.99	14.09	13.98	15.1	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	14.03	14.12	13.95	15.1	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	14.02	14.07	13.94	15.1	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	14.00	14.04	13.98	15.1	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	13.95	14.06	13.96	15.1	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	13.96	14.02	13.97	15.1	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	13.99	14.01	13.97	15.1	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	14.00	14.03	13.88	15.1	0.0	



Part27Q n78 Ant7 PC2&PC3 DSI3 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	18.90			19.5	0.0	
100	PI/2 BPSK	1	137	18.69					
100	PI/2 BPSK	1	271	18.79					
100	PI/2 BPSK	135	0	18.83			19.5	0.0	
100	PI/2 BPSK	135	69	18.56			19.5	0.0	
100	PI/2 BPSK	135	138	18.69			19.5	0.0	
100	PI/2 BPSK	270	0	18.91					
100	QPSK	1	1	18.96			19.5	0.0	
100	QPSK	1	137	18.71					
100	QPSK	1	271	18.62					
100	QPSK	135	0	18.69			19.5	0.0	
100	QPSK	135	69	18.89			19.5	0.0	
100	QPSK	135	138	18.55			19.5	0.0	
100	QPSK	270	0	18.85			19.5	0.0	
100	16QAM	1	1	18.68			19.5	0.0	
100	64QAM	1	1	18.66			19.5	0.0	
100	256QAM	1	1	18.32			19.0	0.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.76	18.84	18.88	19.5	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.85	18.79	18.84	19.5	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.77	18.81	18.78	19.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.76	18.87	18.86	19.5	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.80	18.83	18.87	19.5	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.85	18.85	18.83	19.5	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.83	18.89	18.87	19.5	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.82	18.86	18.81	19.5	0.0	

Part27Q n78 Ant7 PC2&PC3 DSI3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	17.49			18.2	0.0	
100	PI/2 BPSK	1	137	17.23					
100	PI/2 BPSK	1	271	17.40					
100	PI/2 BPSK	135	0	17.49			18.2	0.0	
100	PI/2 BPSK	135	69	17.41			18.2	0.0	
100	PI/2 BPSK	135	138	17.31			18.2	0.0	
100	PI/2 BPSK	270	0	17.49					
100	QPSK	1	1	17.58			18.2	0.0	
100	QPSK	1	137	17.35					
100	QPSK	1	271	17.20					
100	QPSK	135	0	17.25			18.2	0.0	
100	QPSK	135	69	17.48			18.2	0.0	
100	QPSK	135	138	17.12			18.2	0.0	
100	QPSK	270	0	17.46			18.2	0.0	
100	16QAM	1	1	17.23			18.2	0.0	
100	64QAM	1	1	17.28			18.2	0.0	
100	256QAM	1	1	17.39			18.2	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.51	17.52	17.47	18.2	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.53	17.49	17.53	18.2	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.52	17.47	17.53	18.2	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.52	17.42	17.51	18.2	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.49	17.45	17.44	18.2	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.53	17.51	17.42	18.2	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.44	17.44	17.42	18.2	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.45	17.49	17.49	18.2	0.0	



Part27Q n78 Ant8 PC2&PC3 DSI3 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		14.22				
100	PI/2 BPSK	1	137		14.12		14.7	0.0	
100	PI/2 BPSK	1	271		14.19				
100	PI/2 BPSK	135	0		14.24		14.7	0.0	
100	PI/2 BPSK	135	69		13.85		14.7	0.0	
100	PI/2 BPSK	135	138		14.15		14.7	0.0	
100	PI/2 BPSK	270	0		14.26				
100	QPSK	1	1		14.32		14.7	0.0	
100	QPSK	1	137		14.02				
100	QPSK	1	271		14.02				
100	QPSK	135	0		13.99		14.7	0.0	
100	QPSK	135	69		14.23		14.7	0.0	
100	QPSK	135	138		13.87		14.7	0.0	
100	QPSK	270	0		14.19				
100	16QAM	1	1		14.11		14.7	0.0	
100	64QAM	1	1		14.06		14.7	0.0	
100	256QAM	1	1		14.08		14.7	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		14.11	14.17	13.89	14.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		14.09	14.14	13.88	14.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		14.15	14.04	13.80	14.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		13.93	14.08	13.77	14.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		13.94	14.16	13.78	14.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		13.96	13.97	13.96	14.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		13.97	14.06	13.94	14.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		13.96	14.13	13.93	14.7	0.0

Part27Q n78 Ant8 PC2&PC3 DSI3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		13.04				
100	PI/2 BPSK	1	137		12.91		13.4	0.0	
100	PI/2 BPSK	1	271		12.89				
100	PI/2 BPSK	135	0		13.06		13.4	0.0	
100	PI/2 BPSK	135	69		12.76		13.4	0.0	
100	PI/2 BPSK	135	138		12.91		13.4	0.0	
100	PI/2 BPSK	270	0		13.06				
100	QPSK	1	1		13.23		13.4	0.0	
100	QPSK	1	137		13.05				
100	QPSK	1	271		12.78				
100	QPSK	135	0		12.89		13.4	0.0	
100	QPSK	135	69		13.13		13.4	0.0	
100	QPSK	135	138		12.90		13.4	0.0	
100	QPSK	270	0		13.15				
100	16QAM	1	1		13.12		13.4	0.0	
100	64QAM	1	1		13.07		13.4	0.0	
100	256QAM	1	1		12.87		13.4	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		13.21	13.04	13.13	13.4	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		13.21	13.04	13.17	13.4	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		13.03	13.15	13.10	13.4	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		13.08	13.13	13.15	13.4	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		13.08	13.18	13.05	13.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		13.09	13.11	13.05	13.4	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		13.05	13.08	13.12	13.4	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		13.11	13.20	13.18	13.4	0.0



n7 Ant0 DSI6 Standalone

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	20.09	20.89	20.82		
40	PI2 BPSK	1	108	20.84	21.02	20.87		0.0
40	PI2 BPSK	1	214	20.59	20.78	20.77		
40	PI2 BPSK	108	0	20.87	20.82	20.72	22.2	0.0
40	PI2 BPSK	108	54	20.81	20.86	20.70	22.2	0.0
40	PI2 BPSK	108	108	20.94	20.78	20.82		
40	PI2 BPSK	216	0	20.98	20.75	20.85		
40	QPSK	1	1	20.97	21.10	20.90		
40	QPSK	1	108	20.71	20.91	20.88	22.2	0.0
40	QPSK	1	214	20.73	20.96	20.86		
40	QPSK	108	0	20.86	20.90	20.80	22.2	0.0
40	QPSK	108	54	20.90	21.02	20.94	22.2	0.0
40	QPSK	108	108	20.79	20.84	20.87		
40	QPSK	216	0	20.74	20.85	20.79	22.2	0.0
40	16QAM	1	1	20.62	20.81	20.67	22.2	0.0
40	16QAM	1	1	20.56	20.69	20.62	21.5	0.7
40	256QAM	1	1	18.50	18.42	18.55	19.5	2.7
Channel								
Frequency (MHz)				50200	50700	51100	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.91	20.99	20.75	22.2	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
29	QPSK	1	1	20.83	20.95	20.80	22.2	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.82	20.98	20.76	22.2	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.83	21.04	20.82	22.2	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.84	21.01	20.79	22.2	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	20.81	21.02	20.79	22.2	0.0

n7 Ant0 DSI6 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	19.29	19.45	19.41		
40	PI2 BPSK	1	108	19.35	19.51	19.40		0.0
40	PI2 BPSK	1	214	19.19	19.28	19.38	20.7	0.0
40	PI2 BPSK	108	0	19.48	19.38	19.29	20.7	0.0
40	PI2 BPSK	108	54	19.35	19.46	19.21	20.7	0.0
40	PI2 BPSK	108	108	19.42	19.35	19.34		
40	PI2 BPSK	216	0	19.41	19.34	19.46		
40	QPSK	1	1	19.49	19.60	19.40		
40	QPSK	1	108	19.31	19.51	19.37	20.7	0.0
40	QPSK	1	214	19.34	19.52	19.42		
40	QPSK	108	0	19.36	19.46	19.31	20.7	0.0
40	QPSK	108	54	19.47	19.55	19.52	20.7	0.0
40	QPSK	108	108	19.40	19.39	19.26	20.7	0.0
40	QPSK	216	0	19.27	19.34	19.32		
40	16QAM	1	1	19.20	19.32	19.19	20.7	0.0
40	16QAM	1	1	19.12	19.21	19.14	20.7	0.0
40	256QAM	1	1	18.58	18.72	18.58	19.5	1.2
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.43	19.49	19.27	20.7	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
29	QPSK	1	1	19.38	19.52	19.20	20.7	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.34	19.47	19.34	20.7	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.38	19.54	19.27	20.7	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.37	19.48	19.20	20.7	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.40	19.50	19.33	20.7	0.0

n66 Ant0 DSI6 Standalone

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	18.06	18.11	18.23		
40	PI2 BPSK	1	108	18.12	18.19	18.14		0.0
40	PI2 BPSK	1	214	18.00	18.10	18.07	19.1	0.0
40	PI2 BPSK	108	0	18.24	18.10	18.07	19.1	0.0
40	PI2 BPSK	108	54	18.16	18.25	18.11	19.1	0.0
40	PI2 BPSK	108	108	18.16	18.15	18.08	19.1	0.0
40	PI2 BPSK	216	0	18.28	18.09	18.10		
40	QPSK	1	1	18.33	18.37	18.16		
40	QPSK	1	108	18.03	18.18	18.14	19.1	0.0
40	QPSK	1	214	18.07	18.17	18.26		
40	QPSK	108	0	18.10	18.13	18.19	19.1	0.0
40	QPSK	108	54	18.28	18.27	18.12	19.1	0.0
40	QPSK	108	108	18.21	18.16	18.04	19.1	0.0
40	QPSK	216	0	18.10	18.22	17.96		
40	16QAM	1	1	18.06	18.21	18.03	19.1	0.0
40	16QAM	1	1	18.15	18.09	18.25	19.1	0.0
40	256QAM	1	1	18.22	18.17	18.14	19.1	0.0
Channel								
Frequency (MHz)				34200	34500	34800	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.18	18.24	18.05	19.1	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
29	QPSK	1	1	17.20	17.45	17.70	18.11	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.17.5	17.45	17.72.5	18.11	0.0
Channel								
Frequency (MHz)				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.21	18.29	18.08	19.1	0.0
Channel								
Frequency (MHz)				342000	349000	355500	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.12.5	17.45	17.77.5	18.03	0.0
Channel								
Frequency (MHz)				341500	349000	356000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.23	18.27	18.02	19.1	0.0



n66 Ant0 DSI6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				349000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	16.74	16.87	16.94		
40	PI2 BPSK	1	108	16.83	16.91	16.90	17.6	0.0
40	PI2 BPSK	1	214	16.71	16.81	16.90		
40	PI2 BPSK	108	0	16.84	16.80	16.82	17.6	0.0
40	PI2 BPSK	108	54	16.92	16.97	16.82	17.6	0.0
40	PI2 BPSK	108	108	16.86	16.83	16.81	17.6	0.0
40	PI2 BPSK	216	0	17.02	16.75	16.83		
40	QPSK	1	1	17.07	17.15	16.90		
40	QPSK	1	108	16.68	16.85	16.88	17.6	0.0
40	QPSK	1	214	16.71	16.89	16.94		
40	QPSK	108	0	16.82	16.79	16.94	17.6	0.0
40	QPSK	108	54	16.98	17.01	16.79	17.6	0.0
40	QPSK	108	108	16.84	16.87	16.70	17.6	0.0
40	QPSK	216	0	16.84	16.98	16.72		
40	16QAM	1	1	16.81	16.91	16.72	17.6	0.0
40	16QAM	1	1	16.84	16.76	16.90	17.6	0.0
40	256QAM	1	1	16.87	16.81	16.88	17.6	0.0
Channel				345000	345000	350000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.98	17.05	16.80	17.6	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.85	17.02	16.78	17.6	0.0
Channel				343000	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.92	16.97	16.82	17.6	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.94	17.03	16.82	17.6	0.0
Channel				342500	349000	355000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.98	16.98	16.77	17.6	0.0



n38 Ant0 DSI6 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.73	20.88	20.88	22.3	0.0
40	PI/2 BPSK	1	53	20.82	20.99	20.83		
40	PI/2 BPSK	1	104	20.54	20.76	20.81	22.3	0.0
40	PI/2 BPSK	50	0	20.83	20.77	20.67		
40	PI/2 BPSK	50	28	20.76	20.90	20.66	22.3	0.0
40	PI/2 BPSK	50	56	20.91	20.79	20.83		
40	PI/2 BPSK	100	0	20.94	20.76	20.81	22.3	0.0
40	QPSK	1	1	21.01	21.15	20.85		
40	QPSK	1	53	20.89	20.88	20.83	22.3	0.0
40	QPSK	1	104	20.77	20.95	20.82		
40	QPSK	50	0	20.91	20.91	20.75	22.3	0.0
40	QPSK	50	28	20.98	21.10	20.93		
40	QPSK	50	56	20.74	20.85	20.63	22.3	0.0
40	QPSK	100	0	20.70	20.86	20.81		
40	16QAM	1	1	20.60	20.77	20.62	22.3	0.0
40	64QAM	1	1	20.46	20.50	20.43		
40	256QAM	1	1	18.53	18.56	18.41	19.5	2.8
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.91	21.11	20.77	22.3	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.86	21.00	20.72	22.3	0.0

n38 Ant0 DSI6 Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.22	19.41	19.34	20.8	0.0
40	PI/2 BPSK	1	53	19.32	19.47	19.27		
40	PI/2 BPSK	1	104	19.01	19.23	19.29	20.8	0.0
40	PI/2 BPSK	50	0	19.28	19.30	19.18		
40	PI/2 BPSK	50	28	19.24	19.43	19.22	20.8	0.0
40	PI/2 BPSK	50	56	19.46	19.32	19.35		
40	PI/2 BPSK	100	0	19.44	19.26	19.33	20.8	0.0
40	QPSK	1	1	19.56	19.63	19.32		
40	QPSK	1	53	19.18	19.42	19.38	20.8	0.0
40	QPSK	1	104	19.31	19.41	19.33		
40	QPSK	50	0	19.39	19.35	19.24	20.8	0.0
40	QPSK	50	28	19.41	19.66	19.40		
40	QPSK	50	56	19.21	19.34	19.17	20.8	0.0
40	QPSK	100	0	19.16	19.34	19.28		
40	16QAM	1	1	19.23	19.28	19.22	20.8	0.0
40	64QAM	1	1	19.29	19.20	19.17		
40	256QAM	1	1	18.54	18.61	18.33	19.5	1.3
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.51	19.48	19.23	20.8	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.43	19.52	19.25	20.8	0.0



n2 Ant1 DSI6 Standalone									
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)				1860	1880	1900			
20	PI2 BPSK	1	1	20.52	20.64	20.65			
20	PI2 BPSK	1	53	20.68	20.80	20.88	22.0	0.0	
20	PI2 BPSK	1	104	20.83	20.83	20.57			
20	PI2 BPSK	50	0	20.72	20.58	20.86	22.0	0.0	
20	PI2 BPSK	50	28	20.66	20.72	20.58	22.0	0.0	
20	PI2 BPSK	50	56	20.69	20.57	20.85	22.0	0.0	
20	PI2 BPSK	100	0	20.77	20.58	20.59			
20	QPSK	1	1	20.79	20.52	20.75			
20	QPSK	1	53	20.51	20.75	20.73	22.0	0.0	
20	QPSK	1	104	20.51	20.73	20.69			
20	QPSK	50	0	20.63	20.74	20.60	22.0	0.0	
20	QPSK	50	28	20.73	20.76	20.69	22.0	0.0	
20	QPSK	50	56	20.70	20.63	20.52	22.0	0.0	
20	QPSK	100	0	20.56	20.64	20.56			
20	16QAM	1	1	20.48	20.67	20.50	22.0	0.0	
20	64QAM	1	1	20.24	20.37	20.19	21.5	0.5	
20	256QAM	1	1	18.04	18.21	18.10	19.5	2.5	
Channel									
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	20.67	20.86	20.06	22.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	20.65	20.82	20.60	22.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	20.68	20.79	20.65	22.0	0.0	

n2 Ant1 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	19.12	19.26	19.24			
20	PI2 BPSK	1	53	19.28	19.35	19.26	20.5	0.0	
20	PI2 BPSK	1	104	19.08	19.20	19.16			
20	PI2 BPSK	50	0	19.37	19.13	19.19	20.5	0.0	
20	PI2 BPSK	50	28	19.31	19.36	19.19	20.5	0.0	
20	PI2 BPSK	50	56	19.33	19.19	19.30	20.5	0.0	
20	PI2 BPSK	100	0	19.34	19.17	19.21			
20	QPSK	1	1	19.33	19.47	19.30			
20	QPSK	1	53	19.10	19.36	19.52	20.5	0.0	
20	QPSK	1	104	19.11	19.33	19.29			
20	QPSK	50	0	19.23	19.30	19.17	20.5	0.0	
20	QPSK	50	28	19.30	19.34	19.32	20.5	0.0	
20	QPSK	50	56	19.33	19.19	19.12	20.5	0.0	
20	QPSK	100	0	19.16	19.23	19.16			
20	16QAM	1	1	19.06	19.28	19.06	20.5	0.0	
20	64QAM	1	1	19.18	19.20	19.11	20.5	0.0	
20	256QAM	1	1	17.09	17.04	16.04	19.5	1.0	
Channel									
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	19.18	19.34	19.21	20.5	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	19.28	19.39	19.26	20.5	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	19.19	19.41	19.19	20.5	0.0	

n5 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	PI2 BPSK	1	1	22.23	22.48	22.55			
20	PI2 BPSK	1	53	22.38	22.32	22.54	24.0	0.0	
20	PI2 BPSK	1	104	22.44	22.39	22.56			
20	PI2 BPSK	50	0	22.17	22.12	22.17	23.5	0.5	
20	PI2 BPSK	50	28	22.44	22.49	22.46	24.0	0.0	
20	PI2 BPSK	50	56	22.10	22.06	22.12	23.5	0.5	
20	PI2 BPSK	100	0	22.10	22.11	22.08			
20	QPSK	1	1	22.54	22.58	22.42			
20	QPSK	1	53	22.57	22.54	22.49	24.0	0.0	
20	QPSK	1	104	22.46	22.54	22.52			
20	QPSK	50	0	21.67	21.63	21.64	23.0	1.0	
20	QPSK	50	28	22.38	22.50	22.40	24.0	0.0	
20	QPSK	50	56	21.69	21.68	21.65	23.0	1.0	
20	QPSK	100	0	21.59	21.63	21.51			
20	16QAM	1	1	21.31	21.38	21.37	23.0	1.0	
20	64QAM	1	1	20.20	20.18	20.19	21.5	2.5	
20	256QAM	1	1	18.06	18.03	17.99	19.5	4.5	
Channel									
Frequency (MHz)				166300	167300	168300			
15	QPSK	1	1	22.44	22.83	22.35	24.0	0.0	
Channel									
Frequency (MHz)				165800	167300	168800			
10	QPSK	1	1	22.47	22.56	22.39	24.0	0.0	
Channel									
Frequency (MHz)				165300	167300	168300			
5	QPSK	1	1	22.44	22.59	22.31	24.0	0.0	



n5 Ant1 DSI6 Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.		
Channel				166800	167300	167800		
Frequency (MHz)				164	166.5	169		
20	PI/2 BPSK	1	1	20.98	21.11	21.03		
20	PI/2 BPSK	1	53	21.01	21.07	20.95	22.7	0.0
20	PI/2 BPSK	1	104	21.03	21.02	21.07		
20	PI/2 BPSK	50	0	20.99	21.04	20.96	22.7	0.0
20	PI/2 BPSK	50	28	20.98	21.03	20.98	22.7	0.0
20	PI/2 BPSK	50	56	21.02	21.07	20.95		
20	PI/2 BPSK	100	0	21.00	21.01	20.99	22.7	0.0
20	QPSK	1	1	21.05	21.22	21.19		
20	QPSK	1	53	20.99	20.96	21.03	22.7	0.0
20	QPSK	1	104	21.05	21.02	20.97		
20	QPSK	50	0	21.02	21.01	20.97	22.7	0.0
20	QPSK	50	28	20.93	21.14	20.99	22.7	0.0
20	QPSK	50	56	21.05	20.99	21.02		
20	QPSK	100	0	21.03	21.05	20.92	22.7	0.0
20	16QAM	1	1	20.88	21.04	20.88	22.7	0.0
20	64QAM	1	1	20.09	20.13	20.06	21.5	1.2
20	256QAM	1	1	18.18	18.29	18.13	19.5	3.2
Channel				163300	163800	164300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.97	21.06	21.05	22.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				830	836.5	844		
10	QPSK	1	1	20.93	21.18	21.08	22.7	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829.5	836.5	843.5		
5	QPSK	1	1	20.93	21.12	21.06	22.7	0.0

n6 Ant1 DSI6 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.43	20.52	20.58		
40	PI/2 BPSK	1	168	20.56	20.65	20.59	21.9	0.0
40	PI/2 BPSK	1	214	20.35	20.50	20.47		
40	PI/2 BPSK	108	0	20.58	20.48	20.52	21.9	0.0
40	PI/2 BPSK	108	84	20.61	20.54	20.49	21.9	0.0
40	PI/2 BPSK	108	168	20.58	20.52	20.50		
40	PI/2 BPSK	216	0	20.68	20.54	20.53	21.9	0.0
40	QPSK	1	1	20.70	20.80	20.80		
40	QPSK	1	108	20.44	20.59	20.64	21.9	0.0
40	QPSK	1	214	20.43	20.62	20.62		
40	QPSK	108	0	20.53	20.59	20.56	21.9	0.0
40	QPSK	108	84	20.61	20.65	20.57	21.9	0.0
40	QPSK	108	168	20.58	20.54	20.43	21.9	0.0
40	QPSK	216	0	20.44	20.57	20.40		
40	16QAM	1	1	20.42	20.60	20.38	21.9	0.0
40	64QAM	1	1	19.73	19.71	19.77	21.5	0.4
40	256QAM	1	1	17.74	17.86	17.80	19.5	2.4
Channel				343000	345000	347000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.55	20.64	20.52	21.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
20	QPSK	1	1	20.57	20.68	20.50	21.9	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.2	1745	1772.2		
15	QPSK	1	1	20.65	20.65	20.45	21.9	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.61	20.71	20.46	21.9	0.0
Channel				343000	350000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.65	20.76	20.54	21.9	0.0



n66 Ant1 DSI6 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				346000	349000	352000		
Frequency (MHz)				1725	1745	1765		
40	PI2 BPSK	1	1	18.98	19.05	19.17		
40	PI2 BPSK	1	108	19.11	19.19	19.15	20.4	0.0
40	PI2 BPSK	1	214	18.92	19.01	19.06		
40	PI2 BPSK	108	0	19.14	19.08	19.03	20.4	0.0
40	PI2 BPSK	108	54	19.18	19.18	19.99	20.4	0.0
40	PI2 BPSK	108	108	19.13	19.08	19.03	20.4	0.0
40	PI2 BPSK	216	0	19.18	19.09	19.10		
40	QPSK	1	1	19.19	19.35	19.20		
40	QPSK	1	108	18.98	19.13	19.22	20.4	0.0
40	QPSK	1	214	18.93	19.16	19.19		
40	QPSK	108	0	19.08	19.10	19.06	20.4	0.0
40	QPSK	108	54	19.04	19.18	19.12	20.4	0.0
40	QPSK	108	108	18.98	19.13	19.08	20.4	0.0
40	QPSK	216	0	18.99	19.11	19.00		
40	16QAM	1	1	18.94	19.10	18.95	20.4	0.0
40	64QAM	1	1	18.93	19.07	19.01	20.4	0.0
40	256QAM	1	1	17.75	17.72	17.71	19.5	0.0
Channel				343500	349000	355000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.14	19.19	19.09	20.4	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	19.10	19.21	19.11	20.4	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.09	19.25	19.07	20.4	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.15	19.22	19.15	20.4	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.13	19.26	19.10	20.4	0.0



Part27Q n78 Ant4 PC2&PC3 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	18.86			20.3	0.0	
100	PI/2 BPSK	1	137	18.83					
100	PI/2 BPSK	1	271	18.86					
100	PI/2 BPSK	135	0	18.77					
100	PI/2 BPSK	135	69	18.73					
100	PI/2 BPSK	135	138	18.81					
100	PI/2 BPSK	270	0	18.73					
100	QPSK	1	1	19.01					
100	QPSK	1	137	18.84					
100	QPSK	1	271	18.77					
100	QPSK	135	0	18.79					
100	QPSK	135	69	18.98					
100	QPSK	135	138	18.88					
100	QPSK	270	0	18.92					
100	16QAM	1	1	18.85					
100	64QAM	1	1	18.75					
100	256QAM	1	1	18.88					
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	18.93	18.90	18.95	20.3	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	18.96	18.92	18.95	20.3	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	18.98	18.98	18.85	20.3	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	18.94	18.88	18.96	20.3	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	18.87	18.89	18.95	20.3	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	18.90	18.87	18.87	20.3	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	18.94	18.89	18.91	20.3	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	18.93	18.93	18.94	20.3	0.0	

Part27Q n78 Ant4 PC2&PC3 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	17.50			18.8	0.0	
100	PI/2 BPSK	1	137	17.41					
100	PI/2 BPSK	1	271	17.49					
100	PI/2 BPSK	135	0	17.42					
100	PI/2 BPSK	135	69	17.35					
100	PI/2 BPSK	135	138	17.47					
100	PI/2 BPSK	270	0	17.33					
100	QPSK	1	1	17.68					
100	QPSK	1	137	17.41					
100	QPSK	1	271	17.40					
100	QPSK	135	0	17.35					
100	QPSK	135	69	17.63					
100	QPSK	135	138	17.43					
100	QPSK	270	0	17.50					
100	16QAM	1	1	17.42					
100	64QAM	1	1	17.35					
100	256QAM	1	1	17.49					
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	17.46	17.54	17.47	18.8	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	17.55	17.49	17.54	18.8	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	17.53	17.51	17.54	18.8	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	17.50	17.44	17.56	18.8	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	17.50	17.46	17.55	18.8	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	17.51	17.53	17.56	18.8	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	17.48	17.55	17.47	18.8	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	17.45	17.45	17.53	18.8	0.0	



Part27Q n78 Ant2 PC2&PC3 DSI4&6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	16.91	16.74	16.91	17.9	0.0	
100	PI/2 BPSK	1	137	16.74	16.74	16.74			
100	PI/2 BPSK	1	271	16.72	16.72	16.72			
100	PI/2 BPSK	135	0	16.87	16.87	16.87	17.9	0.0	
100	PI/2 BPSK	135	69	16.55	16.55	16.55	17.9	0.0	
100	PI/2 BPSK	135	138	16.60	16.60	16.60	17.9	0.0	
100	PI/2 BPSK	270	0	16.70	16.70	16.70			
100	QPSK	1	1	16.98	16.98	16.98	17.9	0.0	
100	QPSK	1	137	16.81	16.81	16.81			
100	QPSK	1	271	16.78	16.78	16.78			
100	QPSK	135	0	16.75	16.75	16.75	17.9	0.0	
100	QPSK	135	69	16.94	16.94	16.94	17.9	0.0	
100	QPSK	135	138	16.60	16.60	16.60	17.9	0.0	
100	QPSK	270	0	16.74	16.74	16.74	17.9	0.0	
100	16QAM	1	1	16.68	16.68	16.68	17.9	0.0	
100	64QAM	1	1	16.64	16.64	16.64	17.9	0.0	
100	256QAM	1	1	16.53	16.53	16.53	17.9	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.76	16.87	16.78	17.9	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.81	16.81	16.82	17.9	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.71	16.78	16.83	17.9	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.73	16.85	16.73	17.9	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.74	16.77	16.77	17.9	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.78	16.82	16.73	17.9	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.80	16.83	16.80	17.9	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.80	16.86	16.80	17.9	0.0	

Part27Q n78 Ant2 PC2&PC3 DSI4&6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	15.50	15.36	15.50	16.4	0.0	
100	PI/2 BPSK	1	137	15.36	15.36	15.36			
100	PI/2 BPSK	1	271	15.33	15.33	15.33			
100	PI/2 BPSK	135	0	15.49	15.49	15.49	16.4	0.0	
100	PI/2 BPSK	135	69	15.17	15.17	15.17	16.4	0.0	
100	PI/2 BPSK	135	138	15.18	15.18	15.18	16.4	0.0	
100	PI/2 BPSK	270	0	15.34	15.34	15.34			
100	QPSK	1	1	15.59	15.59	15.59	16.4	0.0	
100	QPSK	1	137	15.45	15.45	15.45			
100	QPSK	1	271	15.34	15.34	15.34			
100	QPSK	135	0	15.39	15.39	15.39	16.4	0.0	
100	QPSK	135	69	15.26	15.26	15.26	16.4	0.0	
100	QPSK	135	138	15.26	15.26	15.26	16.4	0.0	
100	QPSK	270	0	15.39	15.39	15.39	16.4	0.0	
100	16QAM	1	1	15.33	15.33	15.33	16.4	0.0	
100	64QAM	1	1	15.20	15.20	15.20	16.4	0.0	
100	256QAM	1	1	15.17	15.17	15.17	16.4	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.31	15.40	15.37	16.4	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	15.32	15.39	15.42	16.4	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	15.20	15.48	15.40	16.4	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	15.32	15.39	15.42	16.4	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.35	15.41	15.48	16.4	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.37	15.43	15.40	16.4	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.31	15.46	15.40	16.4	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.32	15.45	15.46	16.4	0.0	



Part27Q n78 Ant7 PC2&PC3 DSI4&6 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		19.79			
100	PI/2 BPSK	1	137		19.64		20.5	0.0
100	PI/2 BPSK	1	271		19.67			
100	PI/2 BPSK	135	0		19.72		20.5	0.0
100	PI/2 BPSK	135	69		19.42		20.5	0.0
100	PI/2 BPSK	135	138		19.61		20.5	0.0
100	PI/2 BPSK	270	0		19.78			
100	QPSK	1	1		19.87		20.5	0.0
100	QPSK	1	137		19.64			
100	QPSK	1	271		19.46			
100	QPSK	135	0		19.57		20.5	0.0
100	QPSK	135	69		19.79		20.5	0.0
100	QPSK	135	138		19.44		20.5	0.0
100	QPSK	270	0		19.77		20.5	0.0
100	16QAM	1	1		19.58		20.5	0.0
100	64QAM	1	1		19.53		20.5	0.0
100	256QAM	1	1		19.28		19.5	1.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.84	19.81	19.74	20.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.86	19.73	19.70	20.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.85	19.79	19.65	20.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.85	19.82	19.74	20.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.86	19.76	19.71	20.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.76	19.75	19.72	20.5	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.81	19.84	19.76	20.5	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.76	19.72	19.71	20.5	0.0

Part27Q n78 Ant7 PC2&PC3 DSI4&6 Simultaneous

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



Part27Q n78 Ant8 PC2&PC3 DSI4&6 Standalone							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1	18.70			
100	PI/2 BPSK	1	137	18.59			
100	PI/2 BPSK	1	271	18.59			
100	PI/2 BPSK	135	0	18.77			20.2
100	PI/2 BPSK	135	69	18.52			20.2
100	PI/2 BPSK	135	138	18.74			20.2
100	PI/2 BPSK	270	0	18.81			20.2
100	QPSK	1	1	18.93			20.2
100	QPSK	1	137	18.70			0.0
100	QPSK	1	271	18.47			0.0
100	QPSK	135	0	18.73			20.2
100	QPSK	135	69	18.87			20.2
100	QPSK	135	138	18.45			20.2
100	QPSK	270	0	18.82			20.2
100	16QAM	1	1	18.69			20.2
100	64QAM	1	1	18.81			20.2
100	256QAM	1	1	18.75			20.2
Channel				649668	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	18.79	18.76	18.76	20.2
Channel				649334	650000	650668	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	18.90	18.84	18.86	20.2
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	18.80	18.78	18.88	20.2
Channel				648668	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	18.84	18.88	18.71	20.2
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	18.90	18.81	18.76	20.2
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	18.83	18.74	18.72	20.2
Channel				647668	650000	652334	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	18.88	18.88	18.90	20.2
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	18.74	18.79	18.75	20.2

Part27Q n78 Ant8 PC2&PC3 DSI4&6 Simultaneous							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1	17.36			
100	PI/2 BPSK	1	137	17.34			
100	PI/2 BPSK	1	271	17.32			
100	PI/2 BPSK	135	0	17.31			18.7
100	PI/2 BPSK	135	69	17.19			18.7
100	PI/2 BPSK	135	138	17.28			18.7
100	PI/2 BPSK	270	0	17.49			18.7
100	QPSK	1	1	17.55			18.7
100	QPSK	1	137	17.30			0.0
100	QPSK	1	271	17.22			0.0
100	QPSK	135	0	17.23			18.7
100	QPSK	135	69	17.50			18.7
100	QPSK	135	138	17.14			18.7
100	QPSK	270	0	17.37			18.7
100	16QAM	1	1	17.23			18.7
100	64QAM	1	1	17.30			18.7
100	256QAM	1	1	17.26			18.7
Channel				649668	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	16.81	17.01	16.96	18.7
Channel				649334	650000	650668	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	16.88	16.94	16.95	18.7
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	16.77	17.00	16.87	18.7
Channel				648668	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	16.85	17.03	16.87	18.7
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	16.84	16.96	16.85	18.7
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	16.82	16.82	16.88	18.7
Channel				647668	650000	652334	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	16.87	16.97	16.93	18.7
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	16.76	17.02	16.90	18.7

BT BR/EDR Ant3

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

BLE_1M Ant3

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

BLE_2M Ant3

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

BT BR/EDR Ant5

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

BLE_1M Ant5

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

BLE_2M Ant5

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